

## RJ45G1 R1D 3.3E4G/Y TY

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



RJ45 变送器插座（磁性）用于千兆级应用（1000 base-T），内置补偿装置对于感应耦合和电容性耦合采取主动消抵，在印刷电路板上节省空间。

产品范围包括下列设计：

- 90°，平式（水平）和 180°，立式（垂直）
- 栓锁向上 / 栓锁向下
- THT、THR 或 SMD 焊接工艺
- 多种不同的设计类型，也可集成 LED 和屏蔽接触片
- 传输速率可高达 1 Gbps
- 包装规格为托盘（TY）或卷装（卷带包装，RL）
- 与模块式 RJ45 连接器兼容，符合 ANSI / TIA-1096-A 和 IEC 60603 标准
- 介电强度  $\geq 1500$  V AC RMS（2250 V AC 峰值），符合 IEEE 802.3 标准
- 介电强度  $\geq 1500$  V AC（峰值）或  $\geq 1500$  V DC，符合 IEC 60603 标准
- 符合 IEEE 802.3 要求（1000Base-T，1 Gbps，IEEE 802.3ab 或 100Base-Tx，100 Mbps，IEEE 802.3u）特性和优势：
- 温度范围增大：-40 °C 至 +85 °C，确保最大的性能
- 增强型镀金层（30 $\mu$ m），改善防腐蚀保护
- 至少 0.3 mm 的基准距确保完美的焊接效果

## 通用订货数据

|            |                                                                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 版本         | OMNIMATE 数据 - RJ45 转换器接口, PCB 接插件, THT/THR 焊接联接, 90°, 底部, 6 tabs, 是, 插拔次数: 750, 回路数: 10, PA 9T, 30...80 $\mu$ m Ni / $\geq 30$ $\mu$ m Au, 托盘（手动安装） |
| 订货号        | <a href="#">2544510000</a>                                                                                                                          |
| 类型         | RJ45G1 R1D 3.3E4G/Y TY                                                                                                                              |
| GTIN (EAN) | 4050118554168                                                                                                                                       |
| 数量         | 120 items                                                                                                                                           |
| 包装         | 托盘（手动安装）                                                                                                                                            |

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## 技术数据

## 审批

MAMID 认证



ROHS

一致

UL File Number Search

[UL 网站](#)

cURus 证书号

E471884

## 尺寸和重量

|         |            |         |             |
|---------|------------|---------|-------------|
| 深       | 21.35 mm   | 深度 (英寸) | 0.8405 inch |
| 高度      | 16.8 mm    | 高度 (英寸) | 0.6614 inch |
| 最低安装高度  | 13.5 mm    | 宽度      | 15.9 mm     |
| 宽度 (英寸) | 0.626 inch | 净重      | 4 g         |

## 环保产品合规

RoHS 合规状态

合规, 无例外

REACH SVHC

不超过 0.1 wt% 的高度关注物质 (SVHC)

## 标准

连接器标准

IEC 60603-7

## 电气特性

|                      |           |             |           |
|----------------------|-----------|-------------|-----------|
| 电源连接器耐压强度, 触点-触点, 最小 | 1500 V DC | 介电强度, 触点-触点 | 1000 V DC |
| 绝缘电阻                 | ≥ 500 MΩ  | 额定电压        | 125 V     |
| 额定电流                 | 1.5 A     |             |           |

## 系统规格

|                 |                |            |                          |
|-----------------|----------------|------------|--------------------------|
| 回路数             | 10             | LED        | 是                        |
| 焊脚长度 (l)        | 3.3 mm         | 安装在印刷线路板上  | THT/THR 焊接连接             |
| 间距 P (单位: inch) | 0.050 "        | 屏蔽材料       | 黄铜材质                     |
| 屏蔽              | 是              | 侧面端, 属性    | 焊接法兰                     |
| 传输速率            | 1000 Mbps      | 每回路的焊脚数目   | 1                        |
| 联接类型            | 焊接联接           | 产品系列       | OMNIMATE 数据 - RJ45 转换器接口 |
| 间距 P (单位: mm)   | 1.27 mm        | 防护等级       | IP20                     |
| 插拔次数            | 750            | 出线方向       | 90°                      |
| 正向电流            | 20 mA          | 正向电压, 最大   | 2.6 V                    |
| 屏蔽层表面           | 经镀镍处理的         | 右侧 LED 的颜色 | 黄色                       |
| 屏蔽片             | 6 tabs         | 性能类别       | 1000 Mbps                |
| 焊接工艺            | 回流焊, 手动焊接, 波峰焊 | 栓锁选项       | 底部                       |
| 焊针规格            | 八角形            | 焊针位置公差     | ± 0.15 mm                |
| 正向电压, 最小        | 1.8 V          | 左侧 LED 的颜色 | 绿色                       |

## 材料数据

|                      |          |              |                            |
|----------------------|----------|--------------|----------------------------|
| 绝缘材料                 | PA 9T    | 颜色编码         | 黑色                         |
| 比色表 (相似)             | RAL 9011 | 绝缘材料组        | II                         |
| 相比漏电起痕指数 (CTI)       | ≥ 500    | 绝缘电阻         | ≥ 500 MΩ                   |
| Moisture Level (MSL) | 1        | 阻燃等级符合 UL 94 | V-0                        |
| 插针材料                 | 磷铜       | 触点材料         | 铜合金                        |
| 插针镀层                 | 镍, 镀金    | 插头触点叠层结构     | 30...80 μ" Ni / ≥ 30 μ" Au |

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## 技术数据

|        |        |        |       |
|--------|--------|--------|-------|
| 最低存放温度 | -40 °C | 最高存放温度 | 85 °C |
| 最低操作温度 | -40 °C | 最高操作温度 | 85 °C |

### 包装

|        |           |        |           |
|--------|-----------|--------|-----------|
| 包装     | 托盘 (手动安装) | VPE 长度 | 315.00 mm |
| VPE 宽度 | 193.00 mm | VPE 高度 | 69.00 mm  |

### 重要注意事项

### 备注

### 分类

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002637    | ETIM 9.0    | EC002637    |
| ETIM 10.0   | EC002637    | ECLASS 14.0 | 27-46-02-01 |
| ECLASS 15.0 | 27-46-02-01 |             |             |

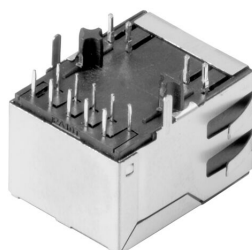
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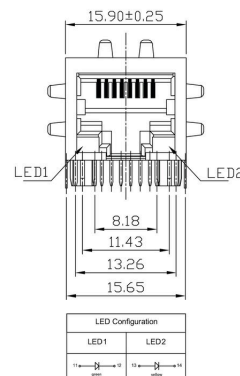
[www.weidmueller.com](http://www.weidmueller.com)

## 图纸

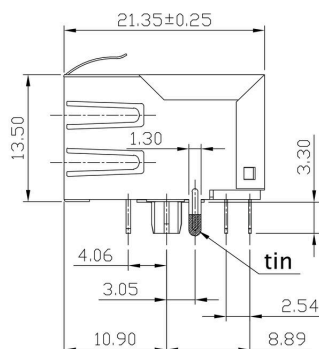
### 尺寸图



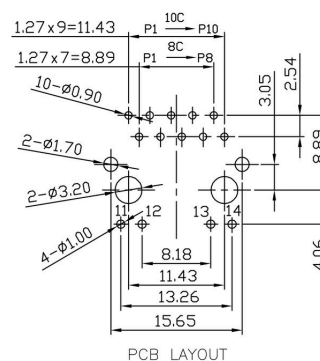
### 尺寸图



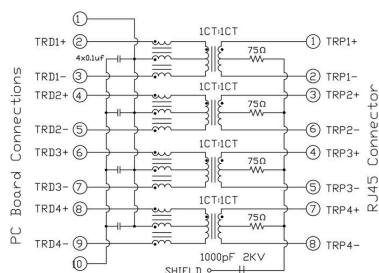
### 尺寸图



### 电路板布局



### 接线图



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图纸

示意图

|                           |             |                                                |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|---------------------------|-------------|------------------------------------------------|---|---|-----|---|---|-------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----|-------------------------------|--|----|-----------------------------------|-----|-----|--------------|--|-----|-------------------------|--|-------|---------------------------|--|-----|--------------|--|-----|------------|--|-----|-------------------------------------|--|---|-------------|---------------------------|---|------------------------------------------------|---------------------------|---|-------------------|--|---|----------------------|-------------------|-----|--------|--|-----|--------|--|---|-----|------------------------|---|----------------------------------------|--|---|------------------------------------------|--|---|----------------------------|--|---|--------------------------|-----------------|---|--------|--|-------------|-------------------------------------|--|-------------|------------------------------------------|-----------------|---|---------------------------|--|---|---------------------------------------------|--|---|--------------------------------|--|--|-------------------------------------|--|--|-------------------------------|--|--|-------------------------|----------------------|----|------------|--|----|------------|--|-----|-------------|--|-----|-------------|--|---|-------------|--|----|------------------|--|-----|---------|--|---|------------|--|----|----------------------|--|-----|-----------------------|
| RJ45                      | G1          | R                                              | 1 | U | 3.2 | E | 4 | GY/GY | TY | RJ45G1 R1U 3.2E4GY/GY TY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           |             |                                                |   |   |     |   |   |       |    | <table><tr><td>Packaging</td><td>TY</td><td>Tray in box (manual assembly)</td></tr><tr><td></td><td>RL</td><td>Tape on Reel (automated assembly)</td></tr><tr><td>LED</td><td>Y/G</td><td>Yellow/Green</td></tr><tr><td></td><td>G/Y</td><td>Green/Yellow (standard)</td></tr><tr><td></td><td>GY/GY</td><td>Green-Yellow/Green-Yellow</td></tr><tr><td></td><td>O/G</td><td>Orange/Green</td></tr><tr><td></td><td>R/O</td><td>Red/Orange</td></tr><tr><td></td><td>...</td><td>... (further combinations possible)</td></tr><tr><td></td><td>N</td><td>without LED</td></tr><tr><td>Contact surface thickness</td><td>4</td><td>1 = 3µ", 2 = 6µ", 3 = 15µ", 4 = 30µ", 5 = 50µ"</td></tr><tr><td>EMI tabs (ground fingers)</td><td>E</td><td>E = with EMI tabs</td></tr><tr><td></td><td>N</td><td>N = without EMI tabs</td></tr><tr><td>Solder Pin length</td><td>3.2</td><td>3.2 mm</td></tr><tr><td></td><td>1.6</td><td>1.6 mm</td></tr><tr><td></td><td>D</td><td>SMD</td></tr><tr><td>Direction, latch style</td><td>U</td><td>Horizontal (90°, side entry), latch up</td></tr><tr><td></td><td>D</td><td>Horizontal (90°, side entry), latch down</td></tr><tr><td></td><td>V</td><td>Vertical (180°, top entry)</td></tr><tr><td></td><td>Y</td><td>Diagonal (45°), latch up</td></tr><tr><td>Number of Ports</td><td>1</td><td>1 Port</td></tr><tr><td></td><td>12; 14; ...</td><td>multi ports side by side, Multiport</td></tr><tr><td></td><td>21; 41; ...</td><td>multi ports about each other, Multilevel</td></tr><tr><td>Assembly on PCB</td><td>R</td><td>Through Hole Reflow - THR</td></tr><tr><td></td><td>S</td><td>Soldering process: Wave or Reflow soldering</td></tr><tr><td></td><td>T</td><td>Surface Mount Technology - SMT</td></tr><tr><td></td><td></td><td>Soldering process: Reflow soldering</td></tr><tr><td></td><td></td><td>Through Hole Technology - THT</td></tr><tr><td></td><td></td><td>Soldering process: Wave</td></tr><tr><td>Performance Category</td><td>C5</td><td>Category 5</td></tr><tr><td></td><td>C6</td><td>Category 6</td></tr><tr><td></td><td>C6A</td><td>Category 6A</td></tr><tr><td></td><td>C5e</td><td>Category 5e</td></tr><tr><td></td><td>M</td><td>10/100 Mbit</td></tr><tr><td></td><td>G1</td><td>10/100/1000 Mbit</td></tr><tr><td></td><td>G10</td><td>10 Gbit</td></tr><tr><td></td><td>U</td><td>Unshielded</td></tr><tr><td></td><td>MP</td><td>10/100 Mbit with POE</td></tr><tr><td></td><td>MP+</td><td>10/100 Mbit with POE+</td></tr></table> | Packaging | TY | Tray in box (manual assembly) |  | RL | Tape on Reel (automated assembly) | LED | Y/G | Yellow/Green |  | G/Y | Green/Yellow (standard) |  | GY/GY | Green-Yellow/Green-Yellow |  | O/G | Orange/Green |  | R/O | Red/Orange |  | ... | ... (further combinations possible) |  | N | without LED | Contact surface thickness | 4 | 1 = 3µ", 2 = 6µ", 3 = 15µ", 4 = 30µ", 5 = 50µ" | EMI tabs (ground fingers) | E | E = with EMI tabs |  | N | N = without EMI tabs | Solder Pin length | 3.2 | 3.2 mm |  | 1.6 | 1.6 mm |  | D | SMD | Direction, latch style | U | Horizontal (90°, side entry), latch up |  | D | Horizontal (90°, side entry), latch down |  | V | Vertical (180°, top entry) |  | Y | Diagonal (45°), latch up | Number of Ports | 1 | 1 Port |  | 12; 14; ... | multi ports side by side, Multiport |  | 21; 41; ... | multi ports about each other, Multilevel | Assembly on PCB | R | Through Hole Reflow - THR |  | S | Soldering process: Wave or Reflow soldering |  | T | Surface Mount Technology - SMT |  |  | Soldering process: Reflow soldering |  |  | Through Hole Technology - THT |  |  | Soldering process: Wave | Performance Category | C5 | Category 5 |  | C6 | Category 6 |  | C6A | Category 6A |  | C5e | Category 5e |  | M | 10/100 Mbit |  | G1 | 10/100/1000 Mbit |  | G10 | 10 Gbit |  | U | Unshielded |  | MP | 10/100 Mbit with POE |  | MP+ | 10/100 Mbit with POE+ |
| Packaging                 | TY          | Tray in box (manual assembly)                  |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | RL          | Tape on Reel (automated assembly)              |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
| LED                       | Y/G         | Yellow/Green                                   |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | G/Y         | Green/Yellow (standard)                        |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | GY/GY       | Green-Yellow/Green-Yellow                      |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | O/G         | Orange/Green                                   |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | R/O         | Red/Orange                                     |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | ...         | ... (further combinations possible)            |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | N           | without LED                                    |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
| Contact surface thickness | 4           | 1 = 3µ", 2 = 6µ", 3 = 15µ", 4 = 30µ", 5 = 50µ" |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
| EMI tabs (ground fingers) | E           | E = with EMI tabs                              |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | N           | N = without EMI tabs                           |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
| Solder Pin length         | 3.2         | 3.2 mm                                         |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | 1.6         | 1.6 mm                                         |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | D           | SMD                                            |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
| Direction, latch style    | U           | Horizontal (90°, side entry), latch up         |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | D           | Horizontal (90°, side entry), latch down       |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | V           | Vertical (180°, top entry)                     |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | Y           | Diagonal (45°), latch up                       |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
| Number of Ports           | 1           | 1 Port                                         |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | 12; 14; ... | multi ports side by side, Multiport            |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | 21; 41; ... | multi ports about each other, Multilevel       |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
| Assembly on PCB           | R           | Through Hole Reflow - THR                      |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | S           | Soldering process: Wave or Reflow soldering    |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | T           | Surface Mount Technology - SMT                 |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           |             | Soldering process: Reflow soldering            |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           |             | Through Hole Technology - THT                  |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           |             | Soldering process: Wave                        |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
| Performance Category      | C5          | Category 5                                     |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | C6          | Category 6                                     |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | C6A         | Category 6A                                    |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | C5e         | Category 5e                                    |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | M           | 10/100 Mbit                                    |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | G1          | 10/100/1000 Mbit                               |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | G10         | 10 Gbit                                        |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | U           | Unshielded                                     |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | MP          | 10/100 Mbit with POE                           |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |
|                           | MP+         | 10/100 Mbit with POE+                          |   |   |     |   |   |       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |    |                               |  |    |                                   |     |     |              |  |     |                         |  |       |                           |  |     |              |  |     |            |  |     |                                     |  |   |             |                           |   |                                                |                           |   |                   |  |   |                      |                   |     |        |  |     |        |  |   |     |                        |   |                                        |  |   |                                          |  |   |                            |  |   |                          |                 |   |        |  |             |                                     |  |             |                                          |                 |   |                           |  |   |                                             |  |   |                                |  |  |                                     |  |  |                               |  |  |                         |                      |    |            |  |    |            |  |     |             |  |     |             |  |   |             |  |    |                  |  |     |         |  |   |            |  |    |                      |  |     |                       |

Type codes

## RJ45G1 R1D 3.3E4G/Y TY

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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## 配套联接件

## RJ45 crimp

RJ45 冷压接插件，符合 IEC 60603-7-51，用于外径不超过 1.05 mm 的导线

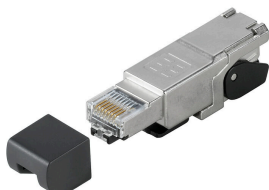


## 通用订货数据

|            |                            |                                                                            |
|------------|----------------------------|----------------------------------------------------------------------------|
| 类型         | IE-P                       | 版本                                                                         |
| 订货号        | <a href="#">8813100000</a> | RJ45 插头, 无扭折保护; 5.5 - 7.1 mm, Cat.6A / Class EA (ISO/IEC 11801 2010), IP20 |
| GTIN (EAN) | 4032248512850              |                                                                            |
| 数量         | 100 ST                     |                                                                            |
| 类型         | IE-P63                     | 版本                                                                         |
| 订货号        | <a href="#">8813110000</a> | RJ45 插头, 带扭折保护; 5.5 - 6.2 mm, Cat.6A / Class EA (ISO/IEC 11801 2010), IP20 |
| GTIN (EAN) | 4032248512867              |                                                                            |
| 数量         | 10 ST                      |                                                                            |
| 类型         | IE-P70                     | 版本                                                                         |
| 订货号        | <a href="#">8813120000</a> | RJ45 插头, 带扭折保护; 6.2 - 7.1 mm, Cat.6A / Class EA (ISO/IEC 11801 2010), IP20 |
| GTIN (EAN) | 4032248512874              |                                                                            |
| 数量         | 10 ST                      |                                                                            |
| 类型         | IE-PM-RJ45-TH              | 版本                                                                         |
| 订货号        | <a href="#">1963580000</a> | RJ45 压接插头, 无扭折保护盖帽的插头, Cat.6A / Class EA (ISO/IEC 11801 2010)              |
| GTIN (EAN) | 4032248645688              |                                                                            |
| 数量         | 100 ST                     |                                                                            |
| 类型         | IE-PS-RJ45-TH-BK           | 版本                                                                         |
| 订货号        | <a href="#">1963590000</a> | RJ45 压接插头, 带黑色扭折保护盖帽的插头, Cat.6A / Class EA (ISO/IEC 11801 2010)            |
| GTIN (EAN) | 4032248645695              |                                                                            |
| 数量         | 10 ST                      |                                                                            |
| 类型         | IE-PS-RJ45-TH-BK-P         | 版本                                                                         |
| 订货号        | <a href="#">2584980000</a> | RJ45 压接插头, 有抗扭结保护; 6.5 - 7.5 mm, 5 类 (ISO/IEC 11801)                       |
| GTIN (EAN) | 4050118593556              |                                                                            |
| 数量         | 10 ST                      |                                                                            |

## 直型

RJ45 插接件（无需工具）符合 IEC 60603-7-51 标准。



## RJ45G1 R1D 3.3E4G/Y TY

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## 配套联接件

## 通用订货数据

|            |                            |                                                          |
|------------|----------------------------|----------------------------------------------------------|
| 类型         | IE-PS-RJ45-FH-180-A-1.1    | 版本                                                       |
| 订货号        | <a href="#">1992850000</a> | RJ45 插头带刺穿触点, 直, Cat.6A / Class EA (ISO/IEC 11801 2010), |
| GTIN (EAN) | 4050118378115              | EIA/TIA T568 A                                           |
| 数量         | 1 ST                       |                                                          |
| 类型         | IE-PS-RJ45-FH-180-A-1.6    | 版本                                                       |
| 订货号        | <a href="#">1992820000</a> | RJ45 插头带刺穿触点, 直, Cat.6A / Class EA (ISO/IEC 11801 2010), |
| GTIN (EAN) | 4050118377897              | EIA/TIA T568 A                                           |
| 数量         | 1 ST                       |                                                          |
| 类型         | IE-PS-RJ45-FH-180-B-1.1    | 版本                                                       |
| 订货号        | <a href="#">1992860000</a> | RJ45 插头带刺穿触点, 直, Cat.6A / Class EA (ISO/IEC 11801 2010), |
| GTIN (EAN) | 4050118378108              | EIA/TIA T568 B                                           |
| 数量         | 1 ST                       |                                                          |
| 类型         | IE-PS-RJ45-FH-180-B-1.6    | 版本                                                       |
| 订货号        | <a href="#">1992830000</a> | RJ45 插头带刺穿触点, 直, Cat.6A / Class EA (ISO/IEC 11801 2010), |
| GTIN (EAN) | 4050118377972              | EIA/TIA T568 B                                           |
| 数量         | 1 ST                       |                                                          |
| 类型         | IE-PS-RJ45-FH-180-P-1.6    | 版本                                                       |
| 订货号        | <a href="#">1992840000</a> | RJ45 插头带刺穿触点, 直, 5 类 (ISO/IEC 11801), PROFINET           |
| GTIN (EAN) | 4050118378023              |                                                          |
| 数量         | 1 ST                       |                                                          |

## 弯型带电缆接头

RJ45 插接件 (无需工具) 符合 IEC 60603-7-51 标准。



## 通用订货数据

|            |                            |                                                          |
|------------|----------------------------|----------------------------------------------------------|
| 类型         | IE-PS-RJ45-FH-90-A-1.1     | 版本                                                       |
| 订货号        | <a href="#">1518080000</a> | RJ45 插头带刺穿触点, 弯, 4x90°, Cat.6A / Class EA (ISO/IEC 11801 |
| GTIN (EAN) | 4050118324969              | 2010), EIA/TIA T568 A                                    |
| 数量         | 1 ST                       |                                                          |
| 类型         | IE-PS-RJ45-FH-90-A-1.6     | 版本                                                       |
| 订货号        | <a href="#">1992870000</a> | RJ45 插头带刺穿触点, 弯, 4x90°, Cat.6A / Class EA (ISO/IEC 11801 |
| GTIN (EAN) | 4050118378054              | 2010), EIA/TIA T568 A                                    |
| 数量         | 1 ST                       |                                                          |
| 类型         | IE-PS-RJ45-FH-90-B-1.1     | 版本                                                       |
| 订货号        | <a href="#">1518090000</a> | RJ45 插头带刺穿触点, 弯, 4x90°, Cat.6A / Class EA (ISO/IEC 11801 |
| GTIN (EAN) | 4050118325300              | 2010), EIA/TIA T568 B                                    |
| 数量         | 1 ST                       |                                                          |
| 类型         | IE-PS-RJ45-FH-90-B-1.6     | 版本                                                       |
| 订货号        | <a href="#">1992890000</a> | RJ45 插头带刺穿触点, 弯, 4x90°, Cat.6A / Class EA (ISO/IEC 11801 |
| GTIN (EAN) | 4050118378122              | 2010), EIA/TIA T568 B                                    |
| 数量         | 1 ST                       |                                                          |

## RJ45G1 R1D 3.3E4G/Y TY

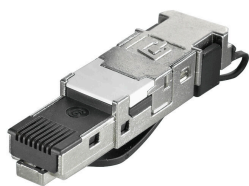
**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## 配套联接件

|            |                            |                                                       |
|------------|----------------------------|-------------------------------------------------------|
| 类型         | IE-PS-RJ45-FH-90-P-1.6     | 版本                                                    |
| 订货号        | <a href="#">1518100000</a> | RJ45 插头带刺穿触点, 弯, 4x90°, 5 类 (ISO/IEC 11801), PROFINET |
| GTIN (EAN) | 4050118325232              |                                                       |
| 数量         | 1 ST                       |                                                       |

## RJ45 无需工具安装



RJ45 接插件 (tool-less), 符合 IEC 60603-7-51, 用于外径不超过 1.6 mm 的导线

## 通用订货数据

|            |                            |                                                                |
|------------|----------------------------|----------------------------------------------------------------|
| 类型         | IE-PS-RJ45-FH-BK           | 版本                                                             |
| 订货号        | <a href="#">1963600000</a> | RJ45 IDC 插头, Cat.6A / Class EA (ISO/IEC 11801 2010), 8-芯, 4-芯, |
| GTIN (EAN) | 4032248645725              | EIA/TIA T568 A, EIA/TIA T568 B, PROFINET                       |
| 数量         | 10 ST                      |                                                                |
| 类型         | IE-PS-RJ45-FH-BK-A         | 版本                                                             |
| 订货号        | <a href="#">1132040000</a> | RJ45 IDC 插头, Cat.6A / Class EA (ISO/IEC 11801 2010), 8-芯, EIA/ |
| GTIN (EAN) | 4032248912155              | TIA T568 A                                                     |
| 数量         | 10 ST                      |                                                                |
| 类型         | IE-PS-RJ45-FH-BK-B         | 版本                                                             |
| 订货号        | <a href="#">1132050000</a> | RJ45 IDC 插头, Cat.6A / Class EA (ISO/IEC 11801 2010), 8-芯, EIA/ |
| GTIN (EAN) | 4032248912148              | TIA T568 B                                                     |
| 数量         | 10 ST                      |                                                                |
| 类型         | IE-PS-RJ45-FH-BK-P         | 版本                                                             |
| 订货号        | <a href="#">1132060000</a> | RJ45 IDC 插头, 5 类 (ISO/IEC 11801), 4-芯, PROFINET                |
| GTIN (EAN) | 4032248912162              |                                                                |
| 数量         | 10 ST                      |                                                                |