

**D-SUB F6.3 T09HB 3.2B4 TY BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

The product range encompasses the following designs:

- 90°, lying (horizontal) and 180°, standing (vertical)
- Flange design as drilled hole, UNC 4-40 threaded nut and UNC 4-40 threaded bolt
- Stamped contacts (Rated current: 3 A)
- THT soldering process
- Wide range of different design types, also with snap-on clip
- Packed in tray (TY)
- Extended temperature range of -55 °C to +85 °C for maximum performance
- Design in accordance with IEC 60807-3 (IEC 807-3) and DIN 41652

**General ordering data**

|                 |                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version         | OMNIMATE Data - D-SUB connector, female header, Thread-bolt UNC 4-40, THT solder connection, Pitch in mm (P): 2.77 mm, Number of poles: 9, $\geq 50 \mu\text{m}$ Ni / $100 \mu\text{m}$ Sn, 500, PBT GF, black, Tray |
| Order No.       | <a href="#">2706970000</a>                                                                                                                                                                                           |
| Type            | D-SUB F6.3 T09HB 3.2B4 TY BK                                                                                                                                                                                         |
| GTIN (EAN)      | 4050118809695                                                                                                                                                                                                        |
| Qty.            | 90 items                                                                                                                                                                                                             |
| Packaging       | Tray                                                                                                                                                                                                                 |
| Delivery status | Discontinued                                                                                                                                                                                                         |
| Available until | 2024-08-31T00:00:00+02:00                                                                                                                                                                                            |

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**Technical data****Approvals**

Approvals



|                       |                            |
|-----------------------|----------------------------|
| ROHS                  | Conform                    |
| UL File Number Search | <a href="#">UL Website</a> |
| Certificate No. (UR)  | E92202                     |

**Dimensions and weights**

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 18.3 mm  | Depth (inches)  | 0.7205 inch |
| Height     | 12.55 mm | Height (inches) | 0.4941 inch |
| Width      | 30.81 mm | Width (inches)  | 1.213 inch  |
| Net weight | 11.11 g  |                 |             |

**Environmental Product Compliance**

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

**System specifications**

|                                  |                                  |                                  |                                 |
|----------------------------------|----------------------------------|----------------------------------|---------------------------------|
| Number of poles                  | 9                                | Solder pin length (l)            | 3.2 mm                          |
| Mounting onto the PCB            | THT solder connection            | Pitch in inches (P)              | 0.109 "                         |
| Shielding material               | Steel                            | Side termination, characteristic | Thread-bolt UNC 4-40            |
| Type of connection               | Solder connection                | Product family                   | OMNIMATE Data - D-SUB connector |
| Pitch in mm (P)                  | 2.77 mm                          | Plugging cycles                  | 500                             |
| Outgoing elbow                   | 90°                              | Shield surface                   | tinned                          |
| Soldering process                | Manual soldering, Wave soldering | Solder pin dimensions            | Octagonal                       |
| Tolerance of solder pin position | ± 0.1 mm                         |                                  |                                 |

**Electrical properties**

|                                        |           |                       |           |
|----------------------------------------|-----------|-----------------------|-----------|
| Dielectric strength, contact / contact | 1000 V AC | Insulation resistance | ≥ 1000 MΩ |
| Nominal voltage                        | 250 V     | Rated current         | 3 A       |

**Material data**

|                                 |                       |                                      |                        |
|---------------------------------|-----------------------|--------------------------------------|------------------------|
| Insulating material             | PBT GF                | Colour                               | black                  |
| Colour chart (similar)          | RAL 9011              | Insulation resistance                | ≥ 1000 MΩ              |
| Moisture Level (MSL)            |                       | UL 94 flammability rating            | V-0                    |
| Contact base material           | Cu-alloy              | Contact material                     | Copper alloy           |
| Contact surface                 | Gold over nickel      | Layer structure of solder connection | ≥ 50 μ" Ni / 100 μ" Sn |
| Layer structure of plug contact | ≥ 50 μ" Ni / 30 μ" Au | Operating temperature, min.          | -55 °C                 |
| Operating temperature, max.     | 105 °C                |                                      |                        |

**Packing**

|           |           |            |           |
|-----------|-----------|------------|-----------|
| Packaging | Tray      | VPE length | 305.00 mm |
| VPE width | 202.00 mm | VPE height | 25.00 mm  |

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## Technical data

### Important note

Notes

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 |             |             |

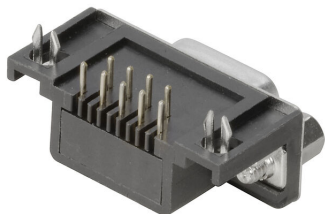
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**Drawings**

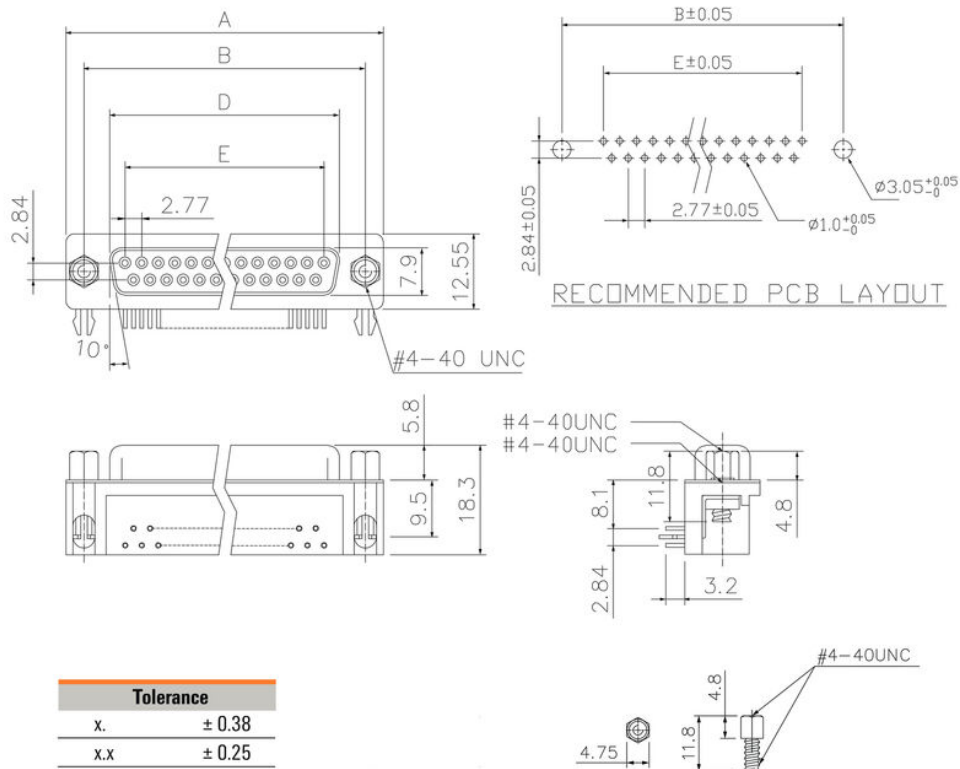
**Product image**



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**Drawings**


| Tolerance |        |
|-----------|--------|
| x.        | ± 0.38 |
| x.x       | ± 0.25 |
| x.xx      | ± 0.13 |
| DIM       | TOL    |
| x.        | ± 3°   |
| x.x       | ± 1.0° |
| Angle     | TOL    |

**Dimensions**

| No. of poles | A     | B     | D     | E     |
|--------------|-------|-------|-------|-------|
| 9            | 30.81 | 24.99 | 16.33 | 11.08 |
| 15           | 39.14 | 33.32 | 24.66 | 19.39 |
| 25           | 53.04 | 47.04 | 38.38 | 33.24 |