

FW R4 R1U 3.0N1 TY

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



IEEE 1394a - FireWire sockets and field-attachable plugs – flexible data connections

FireWire socket connectors from Weidmüller offer fast data transfers and easy on-site adjustment - ideal for industrial applications

Features and Benefits:

- **Robust and durable:** Designed for demanding environments with stable locking
- **EMC protection:** Reliable protection against interference for clean data transmission
- **Hot plug & play:** Devices can be connected during operation and are recognized
- **Fast and lossless transmission** up to 400 Mbit/s
- **Integrated power supply** (8 to 33 V DC, 1.5 A, max. 48 W)
- **Easy assembly** without special tools on site, with solder cup connection on the field-assembly connector

General ordering data

Version	, PCB plug-in connector, FireWire 400, female header, 10 Gbit/s, THT/THR solder connection, 90°, Plugging cycles: , Number of poles: 6, LCP, Gold over nickel, Tray (manual assembly)
Order No.	3116000000
Type	FW R4 R1U 3.0N1 TY
GTIN (EAN)	4099987228268
Qty.	1500 items
Packaging	Tray (manual assembly)

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Depth	18.1 mm	Depth (inches)	0.7126 inch
Height	13.5 mm	Height (inches)	0.5315 inch
Width	8.4 mm	Width (inches)	0.3307 inch
Net weight	6.67 g		

Environmental Product Compliance

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

System specifications

Number of poles	6	LED	No
Solder pin length (l)	1.15 mm	Mounting onto the PCB	THT/THR solder connection
Pitch in inches (P)	0.008 "	Shielding material	Copper alloy
Shielding	Yes	Side termination, characteristic	Solder flange
Transmission rate	10 Gbit/s	Number of solder pins per pole	1
Type of connection	Solder connection	Pitch in mm (P)	2.00 mm
Protection degree	IP20	Outgoing elbow	90°
Shield surface	nickel-plated	Shield tabs	none
Performance-Category	10 Gbit/s	Soldering process	Reflow soldering, Manual soldering, Wave soldering

Electrical properties

Dielectric strength, contact / contact	100 V AC	Insulation resistance	≥ 100 MΩ
Nominal voltage	30 V		

Material data

Insulating material	LCP	Colour	black
Colour chart (similar)	RAL 9011	Insulation resistance	≥ 100 MΩ
Moisture Level (MSL)	1	UL 94 flammability rating	V-0
Contact base material	Copper alloy	Contact material	Copper alloy
Contact surface	Gold over nickel	Storage temperature, min.	-25 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-25 °C
Operating temperature, max.	85 °C		

Packing

Packaging	Tray (manual assembly)	VPE length	0.00 mm
VPE width	0.00 mm	VPE height	0.00 mm

Important note

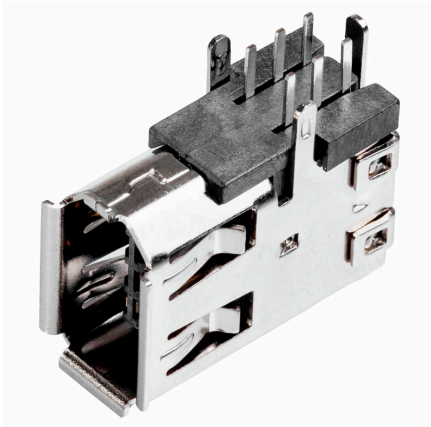
Notes

Technical data

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		

Drawings



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