

FW R4 R1H 3.1N1 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.	3116220000
Type	FW R4 R1H 3.1N1 TY
GTIN (EAN)	4099987230513
Qty.	1000 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	8.4 mm	Height (inches)	0.3307 inch
Width	13.5 mm	Width (inches)	0.5315 inch
Net weight	3 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)	3.1 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	260.00 mm
VPE width	220.00 mm	VPE height	132.00 mm

Important note

Notes

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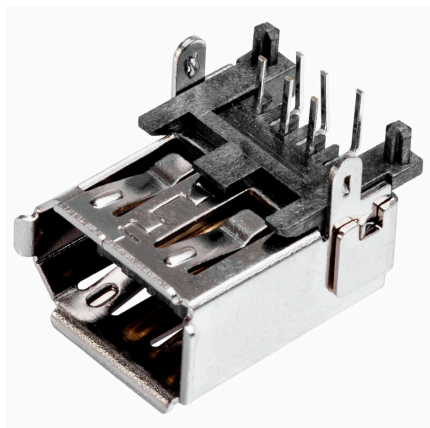
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Technical data

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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