

USB3.0A T1H 2.3N4 TY BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Universal serial bus 2.0 and 3.0 (SuperSpeed); Type A connectors meet the requirements for high resistance and provide reliable connectivity.

- Up to 5000 plugging cycles
- THT, THR or SMD soldering processes
- Available in design types 180° (vertical/upright) or 90° (horizontal/flat-lying)
- Packed either in a tray (TY) or on a roll (tape-on-reel, RL)
- Reinforced gold layer for improved corrosion protection

General ordering data

Version	OMNIMATE Data - USB jack, female header, 5 Gbps, THT solder connection, 90°, Pitch in mm (P): 2.00 mm, Number of poles: 9, PBT, blue, Tray (manual assembly)
Order No.	2563550000
Type	USB3.0A T1H 2.3N4 TY BL
GTIN (EAN)	4050118572674
Qty.	104 pc(s).
Packaging	Tray (manual assembly)

Creation date July 17, 2021 10:40:04 AM CEST

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Technical data

Dimensions and weights

Depth	16.45 mm	Depth (inches)	0.648 inch
Height	9.3 mm	Height (inches)	0.366 inch
Height of lowest version	7.12 mm	Width	14.5 mm
Width (inches)	0.571 inch	Net weight	0.001 g

System specifications

LED	No	Mounting onto the PCB	THT solder connection
Number of poles	9	Number of solder pins per pole	1
Outgoing elbow	90°	Performance-Category	5 Gbps
Pitch in mm (P)	2 mm	Plugging force/pole, max.	35 N
Product family	OMNIMATE Data - USB jack	Protection degree	IP20
Pulling force/pole, max.	10 N	Shield surface	nickel-plated
Shield tabs	none	Shielding	Yes
Shielding material	Brass	Solder pin length (l)	2.3 mm
Soldering process	Manual soldering, Wave soldering	Tolerance of solder pin position	± 0.1 mm
Transmission rate	5 Gbps	Type of connection	Socket connector

Electrical properties

Dielectric strength, contact / contact	100 V AC	Rated current	1.8 A at 250 V AC
Rated voltage	30 V		

Material data

Insulating material	PBT	Colour	blue
Colour chart (similar)	RAL 5012	Insulating material group	II
Comparative Tracking Index (CTI)	≥ 500	UL 94 flammability rating	V-0
Contact base material	Phosphorus bronze	Contact surface	Gold over nickel
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au	Storage temperature, min.	-25 °C
Storage temperature, max.	85 °C	Operating temperature, min.	-40 °C
Operating temperature, max.	85 °C		

Packing

Packaging	Tray (manual assembly)	VPE length	330 mm
VPE width	190 mm	VPE height	20 mm

Classifications

ETIM 6.0	EC002637	ETIM 7.0	EC002637
ETIM 8.0	EC002637	ECLASS 9.0	27-44-04-02
ECLASS 9.1	27-44-04-02	ECLASS 10.0	27-44-04-02
ECLASS 11.0	27-46-02-01		

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Approvals



ROHS	Conform
UL File Number Search	E471884

Downloads

Engineering Data	STEP
Catalogues	Catalogues in PDF-format

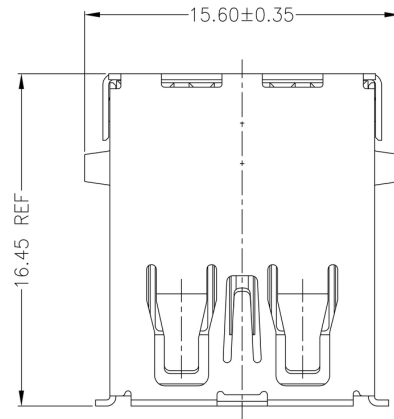
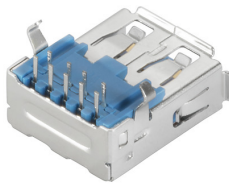
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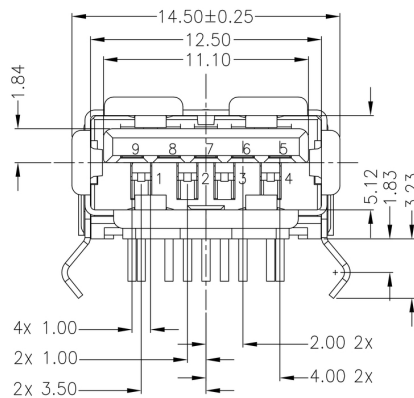
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Drawings

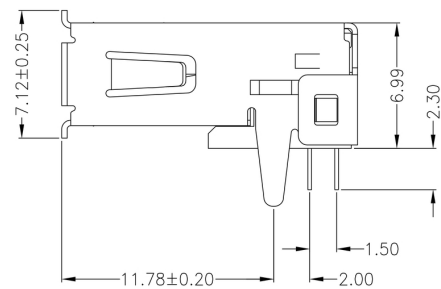
Dimensioned drawing



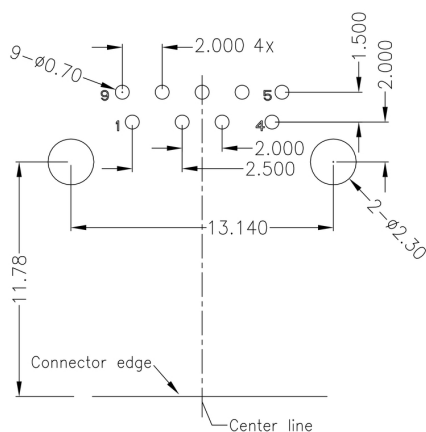
Dimensioned drawing



Dimensioned drawing



Wiring diagram



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Recommended wave soldering profiles

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Single Wave:



Double Wave:



Wave soldering profiles

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:

- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260°C. In practice, the maximum soldering temperature is quite often well below the above maximum profile.

We reserve the right to make technical changes.