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°, ≥ 1500, 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 March 29, 2021 7:36:22 PM 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	Net weight	0.001 g
Width	14.5 mm	Width (inches)	0.571 inch

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

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 cycles	≥ 1500
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
Transmission rate	5 Gbps	Type of connection	Socket connector

Electrical properties

Dielectric strength, contact / contact	100 V AC	Insulation strength	100 MΩ
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	Insulation strength	100 MΩ
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.	-25 °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
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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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E471884

Downloads

Engineering Data	STEP

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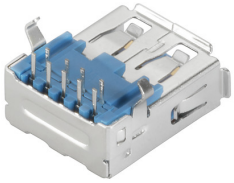
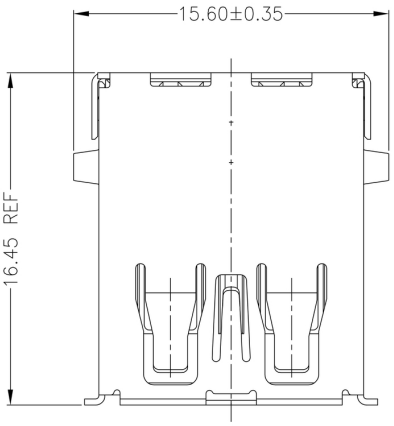
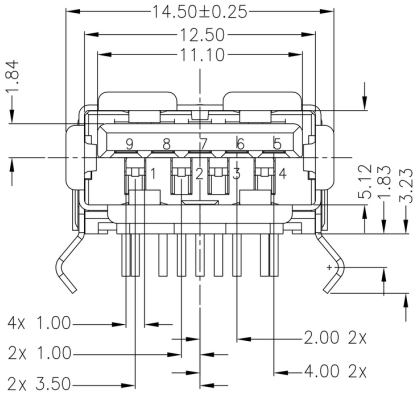
Drawings



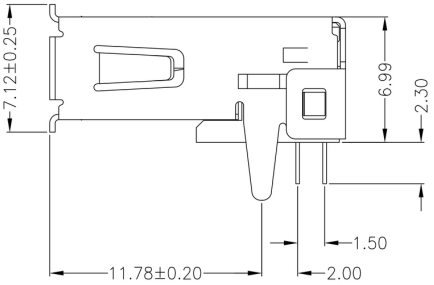
Dimensioned drawing



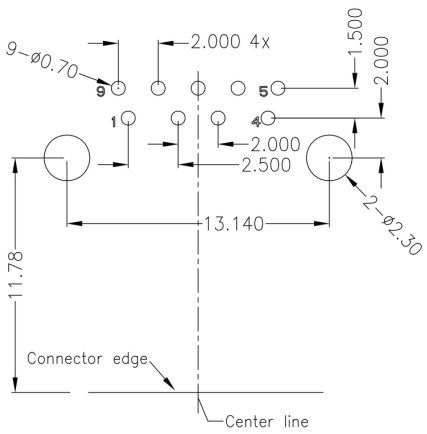
Dimensioned drawing



Dimensioned drawing



Wiring diagram



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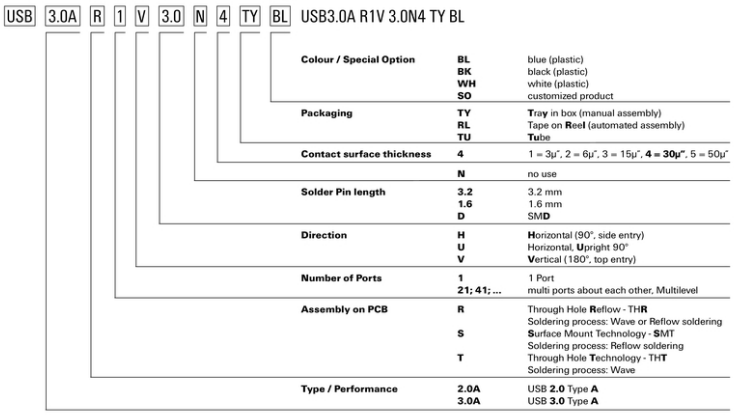
Drawings

Legend



Wave Solder Profile

Recommended wave solderding profiles

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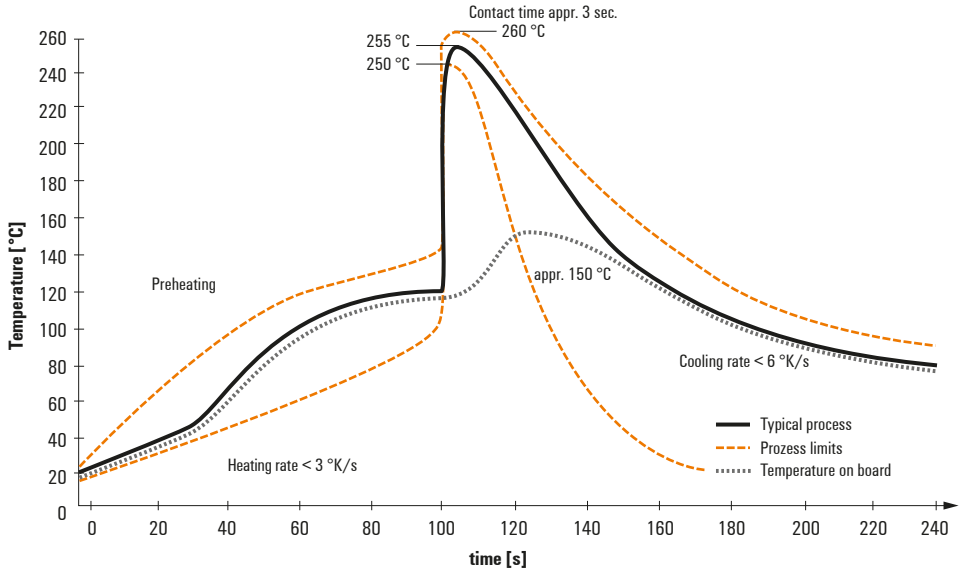
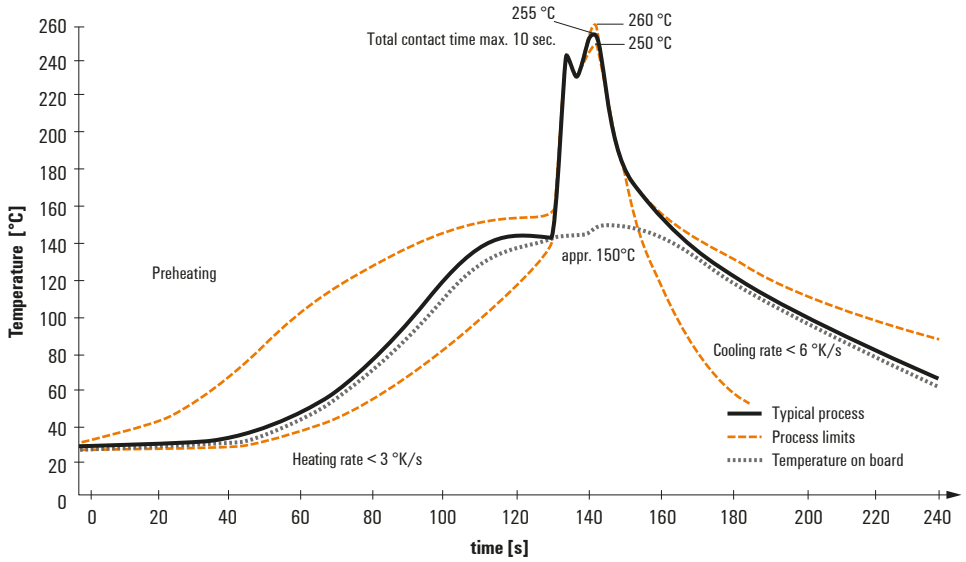
Single Wave:



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.