

## OMNIMATE Data - USB jacks USB3.0A T1H 2.3N4 TY BL

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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

Type	USB3.0A T1H 2.3N4 TY BL
Order No.	<a href="#">2563550000</a>
Version	PCB plug-in connector, USB jacks, THT solder connection, No. of poles: 9, 90°, Solder pin length (l): 2.3 mm, Gold over nickel, Blue, Tray (manual assembly)
GTIN (EAN)	4050118572674
Qty.	104 pc(s).
Packaging	Tray (manual assembly)

**OMNIMATE Data - USB jacks  
USB3.0A T1H 2.3N4 TY BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data**
**Dimensions and weights**

Net weight 0.001 g

**Temperatures**

Operating temperature, max.	85 °C	Operating temperature, min.	-25 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-25 °C

**System specifications**

LED	No	Mounting onto the PCB	THT solder connection
No. of poles	9	Number of solder pins per pole	1
Outgoing elbow	90°	Packaging	Tray (manual assembly)
Plugging cycles	≥ 1500	Product family	OMNIMATE Data - USB jacks
Protection degree	IP20	Shield tabs	none
Shielding	Yes	Solder pin length (l)	2.3 mm
Transmission rate	5 Gbit/s	Type of connection	Socket
Withdrawal force per pole	10 N	push-in force/pole	35 N

**Electrical properties**

Dielectric strength, contact / contact	100 V AC	Insulation resistance	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
CTI	≥ 500	Insulation resistance	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

**Classifications**

eClass 6.2 27-25-05-04

**Approvals**

Approvals



ROHS Conform

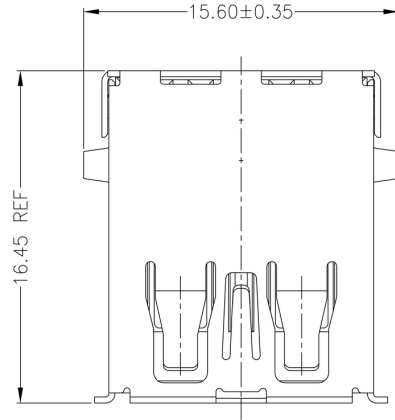
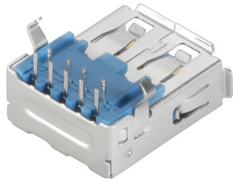
**Data sheet**

**OMNIMATE Data - USB jacks  
USB3.0A T1H 2.3N4 TY BL**

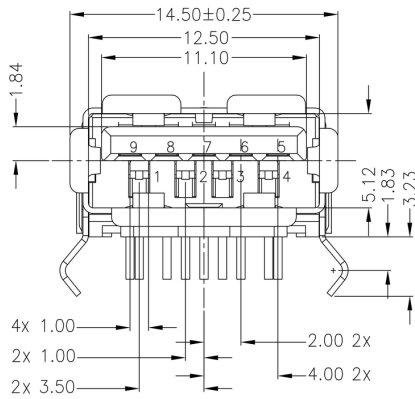
**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Drawings**

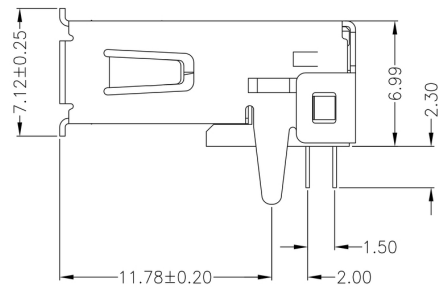
**Dimensioned drawing**



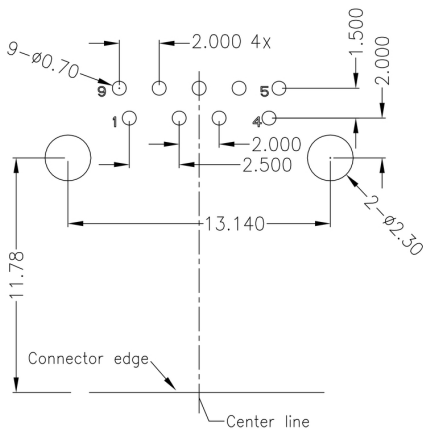
**Dimensioned drawing**



**Dimensioned drawing**



**Wiring diagram**



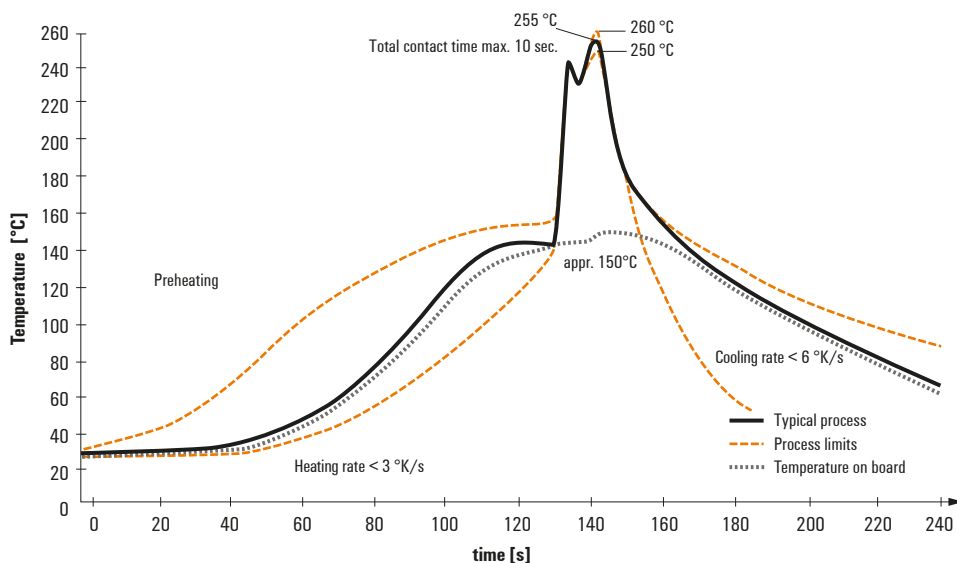
## Recommended wave soldering profiles

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

### 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.