

USB2.0B T1H 2.8N4 TY BK**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, 480 Mbps, THT solder connection, 90°, Pitch in mm (P): 2.50 mm, Number of poles: 4, PBT, black, Tray (manual assembly)
Order No.	2698610000
Type	USB2.0B T1H 2.8N4 TY BK
GTIN (EAN)	4050118740912
Qty.	100 pc(s).
Packaging	Tray (manual assembly)

Creation date April 16, 2021 8:22:23 AM CEST

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Technical data

Dimensions and weights

Depth	16 mm	Depth (inches)	0.63 inch
Height	11.05 mm	Height (inches)	0.435 inch
Net weight	999 g	Width	12.04 mm
Width (inches)	0.474 inch		

System specifications

Mounting onto the PCB	THT solder connection	Number of poles	4
Outgoing elbow	90°	Performance-Category	480 Mbps
Pitch in mm (P)	2.5 mm	Product family	OMNIMATE Data - USB jack
Shielding	Yes	Solder pin length (l)	2.84 mm
Soldering process	Manual soldering, Wave soldering	Transmission rate	480 Mbps

Electrical properties

Rated voltage	30 V
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Material data

Insulating material	PBT	Colour	black
Colour chart (similar)	RAL 9011	UL 94 flammability rating	V-0
Contact surface	Gold over nickel	Operating temperature, min.	-40 °C
Operating temperature, max.	85 °C		

Packing

Packaging	Tray (manual assembly)	VPE length	0
VPE width	0	VPE height	0

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

Approvals

ROHS	Conform
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Downloads

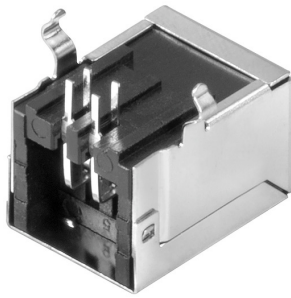
Engineering Data	STEP
Brochure/Catalogue	Catalogues in PDF-format

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Drawings

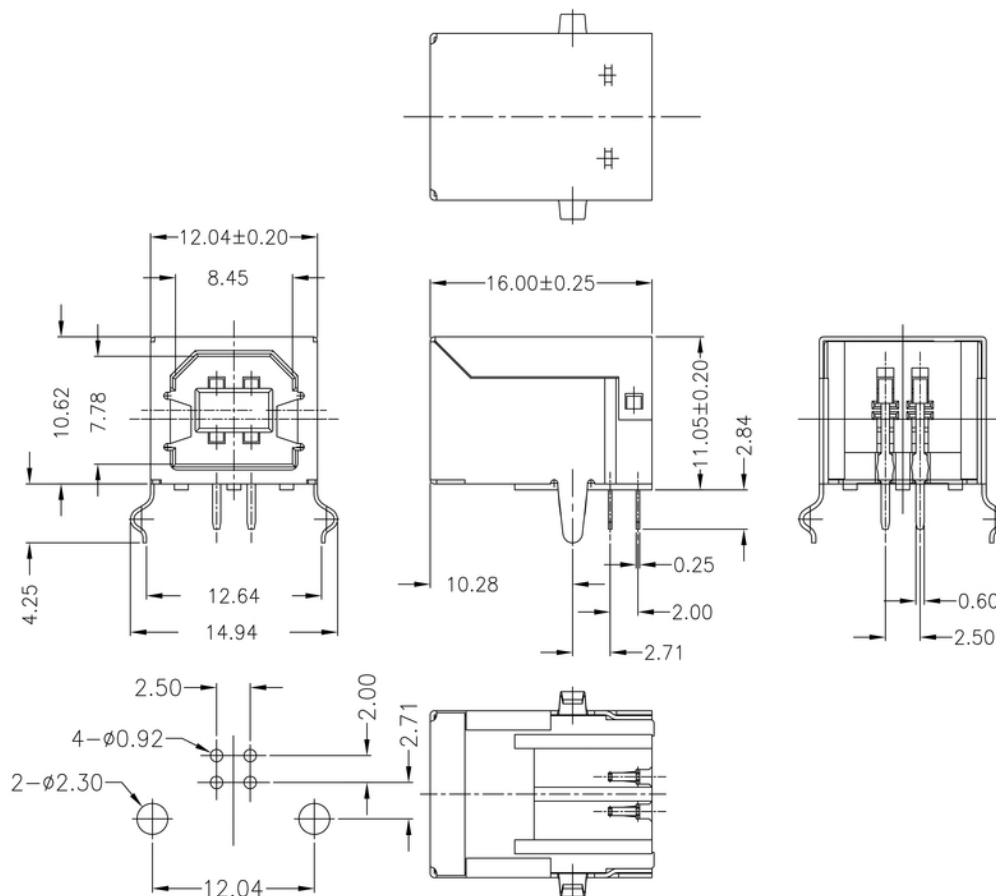
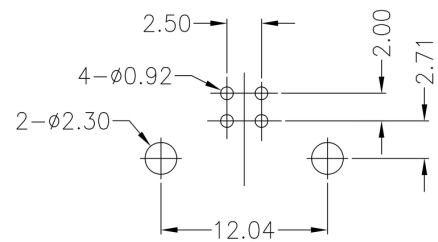


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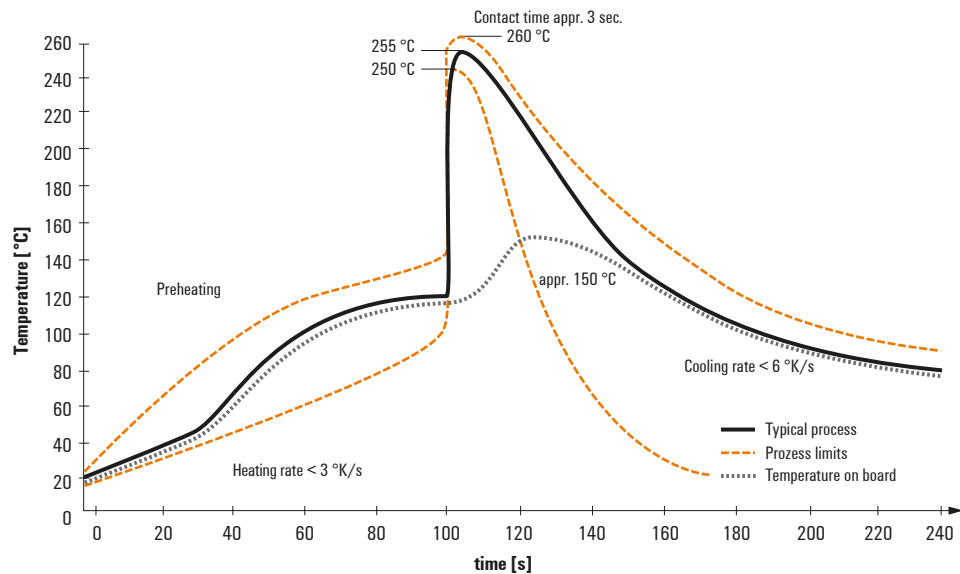


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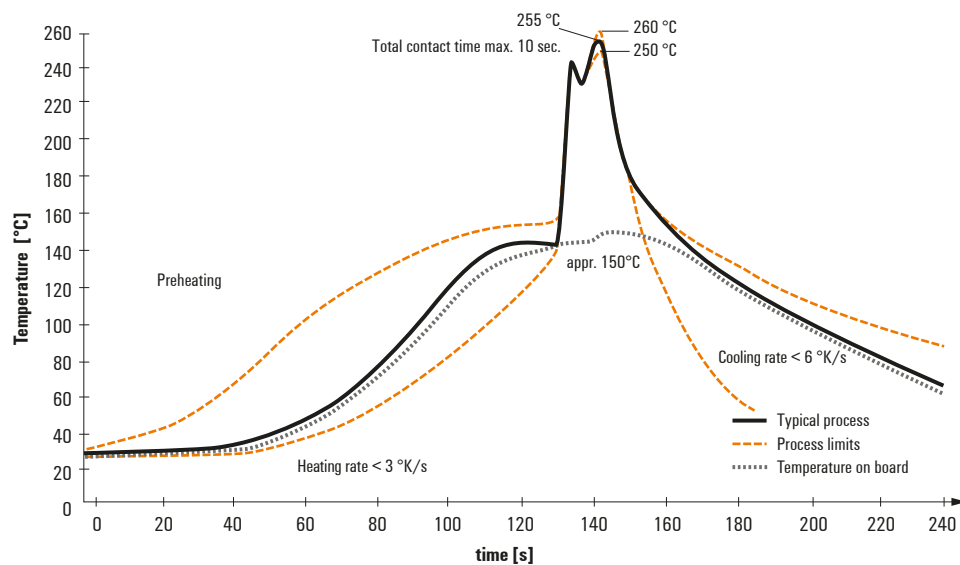
Recommended wave soldering profiles

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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.