

D-SUB M6.3 T09HB 3.2B2 TY BK**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**The product range encompasses the following designs:**

- 90°, lying (horizontal) and 180°, standing (vertical)
- Flange design as drilled hole, UNC 4-40 threaded nut and UNC 4-40 threaded bolt
- Stamped contacts (Rated current: 3 A)
- THT soldering process
- Wide range of different design types, also with snap-on clip
- Packed in tray (TY)
- Extended temperature range of -55 °C to +85 °C for maximum performance
- Design in accordance with IEC 60807-3 (IEC 807-3) and DIN 41652

General ordering data

Version	OMNIMATE Data - D-SUB connector, male header, Thread-bolt UNC 4-40, Snap-on clip, THT solder connection, Pitch in mm (P): 2.77 mm, Number of poles: 9, 500, PBT glass fibre reinforced UL 94 V-0, black, Tray (manual assembly)
Order No.	2626690000
Type	D-SUB M6.3 T09HB 3.2B2 TY BK
GTIN (EAN)	4050118663631
Qty.	90 pc(s).
Packaging	Tray (manual assembly)

Creation date December 1, 2023 12:29:10 PM CET

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Technical data**Dimensions and weights**

Depth	20.9 mm	Depth (inches)	0.823 inch
Height of lowest version	12.55 mm	Width	30.81 mm
Width (inches)	1.213 inch	Net weight	8.722 g

System specifications

Model	Plug	
Mounting onto the PCB	THT solder connection	
Number of poles	9	
Outgoing elbow	90°	
Pitch in inches (P)	0.109 inch	
Pitch in mm (P)	2.77 mm	
Plugging cycles	500	
Product family	OMNIMATE Data - D-SUB connector	
Shield surface	tinned	
Shielding material	Steel	
Side termination, characteristic	Thread-bolt UNC 4-40, Snap-on clip	
Solder eyelet hole diameter (D)	1 mm	
Solder pin dimensions	Octagonal	
Solder pin length (l)	3.2 mm	
Solder pin length tolerance	+0,25 / -0,25 mm	
Solder pin length tolerance	Lower tolerance with prefix (reveals minimum)	-0,25
	Upper tolerance with prefix (reveals maximum)	+0,25
	Tolerance, unit	mm
Soldering process	Manual soldering, Wave soldering	
Tolerance of solder pin position	± 0.1 mm	
Type of connection	Solder connection	

Electrical properties

Dielectric strength, contact / contact	1000 V AC	Rated current	3 A
Rated voltage	250 V	Volume resistance	≤20 mΩ

Material data

Insulating material	PBT glass fibre reinforced UL 94 V-0	Colour	black
Colour chart (similar)	RAL 9011	UL 94 flammability rating	V-0
Contact base material	Phosphorus bronze	Contact surface	Au (Gold)
Storage temperature, min.	-20 °C	Storage temperature, max.	85 °C
Operating temperature, min.	-55 °C	Operating temperature, max.	105 °C

Packing

Packaging	Tray (manual assembly)	VPE length	304 mm
VPE width	204 mm	VPE height	23 mm

Classifications

ETIM 6.0	EC002637	ETIM 7.0	EC002637
ETIM 8.0	EC002637	ETIM 9.0	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
ECLASS 12.0	27-46-02-01	ECLASS 13.0	27460201

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REACH SVHC

Lead 7439-92-1

Approvals

Approvals



ROHS

Conform

UL File Number Search

UL Website

Certificate No. (UR)

E92202

Downloads

Engineering Data

[CAD data – STEP](#)

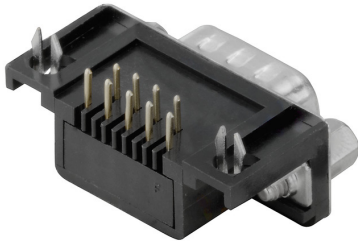
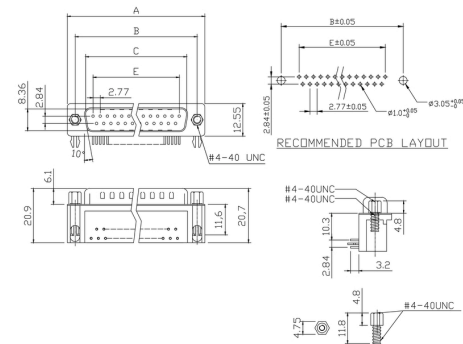
Catalogues

[Catalogues in PDF-format](#)

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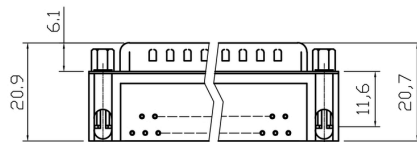
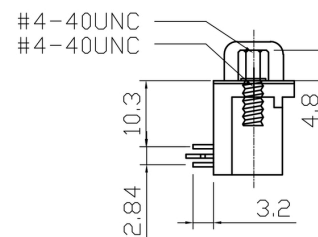
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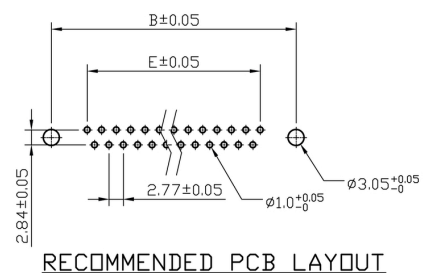
Drawings**Product image****Drawing**

Dimensions				
Positions	A	B	C	E
9	30.81	24.99	16.92	11.08
15	39.20	33.30	25.25	19.39
25	53.05	47.04	38.96	33.24
37	69.40	63.50	55.42	49.86

Unit: mm

Drawing**Drawing****Dimensioned drawing**

Dimensions				
Positions	A	B	C	E
9	30.81	24.99	16.92	11.08

PCB design

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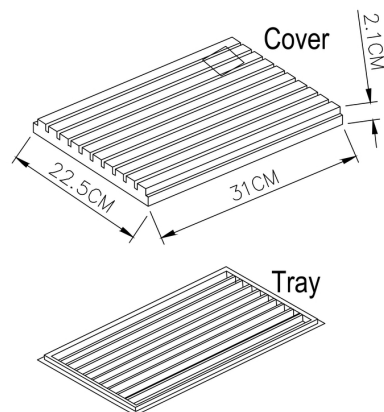
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Drawings
Dimensioned drawing

Scale	Free
TOLERANCE	
X.	± 0.38
X.X	± 0.25
X.XX	± 0.13
DIM	TOL
X.°	$\pm 3^\circ$
X.X°	$\pm 1.0^\circ$
Angle	TOL



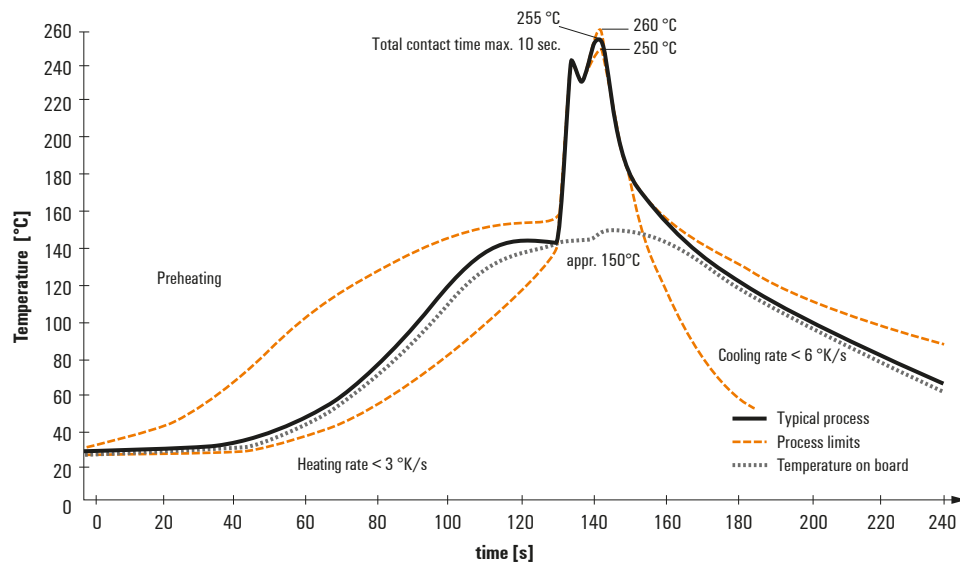
Recommended wave soldering profiles

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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.