

**D-SUB M6.1 T09VB 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.	<a href="#">2626640000</a>
Type	D-SUB M6.1 T09VB 3.2B2 TY BK
GTIN (EAN)	4050118663297
Qty.	90 pc(s).
Packaging	Tray (manual assembly)

Creation date April 16, 2021 5:24:48 AM CEST

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

Depth	12.55 mm	Depth (inches)	0.494 inch
Net weight	8.178 g	Width	30.81 mm
Width (inches)	1.213 inch		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**System specifications**

Model	Plug		
Mounting onto the PCB	THT solder connection		
Number of poles	9		
Outgoing elbow	180°		
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)	1.1 mm		
Solder pin length (l)	4.6 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		

**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	Copper alloy	Contact surface	Gold over nickel
Layer structure of plug contact	≥ 50 μ" Ni / ≥ 1 μ" Au	Storage temperature, min.	-55 °C
Storage temperature, max.	85 °C	Operating temperature, min.	-55 °C
Operating temperature, max.	85 °C		

**Packing**

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

**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

Creation date April 16, 2021 5:24:48 AM CEST

Catalogue status 09.04.2021 / We reserve the right to make technical changes.

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**Data sheet****D-SUB M6.1 T09VB 3.2B2 TY BK**

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**Technical data****Approvals**

ROHS	Conform
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**Downloads**

Engineering Data	<a href="#">STEP</a>
Brochure/Catalogue	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

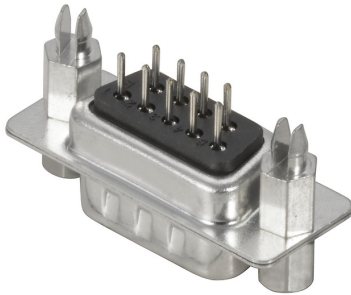
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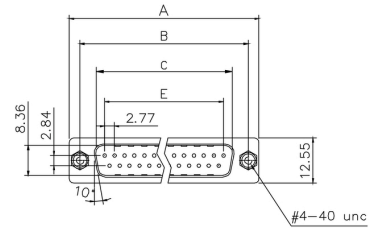
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**Drawings**

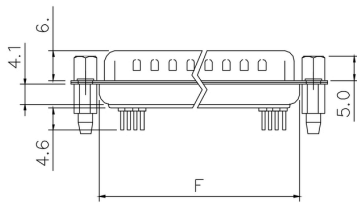
**Product image**



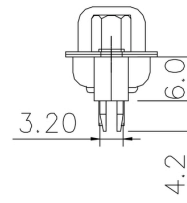
**Drawing**



**Drawing**



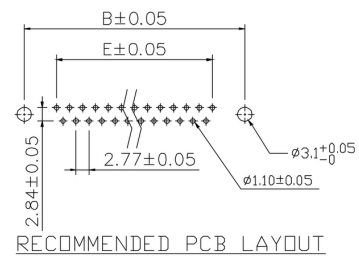
**Drawing**



**Dimensioned drawing**

Dimensions					
Positions	A	B	C	E	F
9	30.81	24.99	16.92	11.08	19.20

**PCB design**



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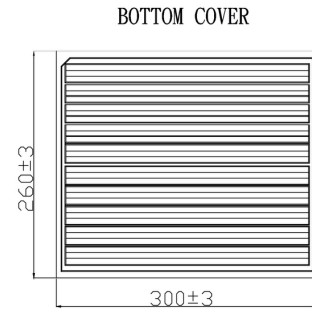
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**Drawings**

**Dimensioned drawing**

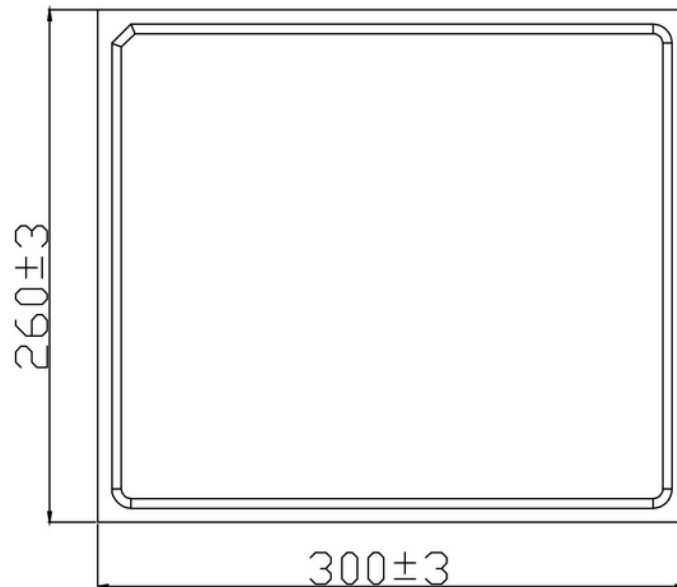
Scale	Free
TOLERANCE	
X.	±0.38
X.X	±0.25
X.XX	±0.13
DIM	TOL
X.°	±3°
X.X°	±1.0°
Angle	TOL

**Packaging drawing**



**Packaging drawing**

UPPER COVER



## 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.