

D-SUB F6.1 T09VN 3.2N2 TY GY**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, female header, Hole, THT solder connection, Pitch in mm (P): 2.77 mm, Number of poles: 9, $\geq 50 \mu\text{m}$ Ni / $\geq 1 \mu\text{m}$ Au, PBT glass fibre reinforced UL 94 V-0, grey, Tray (manual assembly)
Order No.	2626650000
Type	D-SUB F6.1 T09VN 3.2N2 TY GY
GTIN (EAN)	4050118663600
Qty.	50 pc(s).
Packaging	Tray (manual assembly)

Creation date April 16, 2021 5:24:53 AM CEST

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Technical data**Dimensions and weights**

Depth	12.55 mm	Depth (inches)	0.494 inch
Net weight	5.54 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	Socket connector		
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		
Product family	OMNIMATE Data - D-SUB connector		
Shield surface	tinned		
Shielding material	Steel		
Side termination, characteristic	Hole		
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	grey
Colour chart (similar)	RAL 7035	UL 94 flammability rating	V-0
Contact base material	Copper alloy	Contact surface	Au (Gold)
Layer structure of solder connection	≥ 50 µ" Ni / ≥ 1 µ" Au	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

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Technical data

Approvals

ROHS

Conform

Downloads

Engineering Data

[STEP](#)

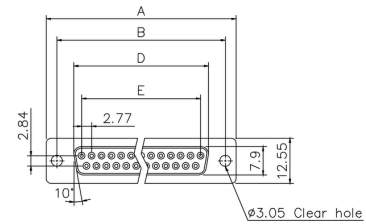
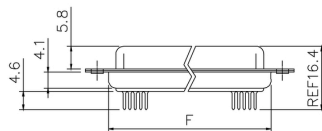
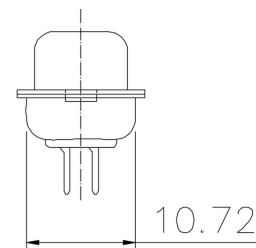
Brochure/Catalogue

[Catalogues in PDF-format](#)

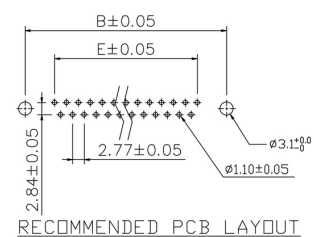
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Drawings**Product image****Drawing****Drawing****Drawing****Dimensioned drawing**

DIMENSION TABLE					
POSITIONS	A±0.15	B±0.10	D±0.13	E±0.08	F±0.10
9	30.81	24.99	16.33	11.08	19.20

PCB design

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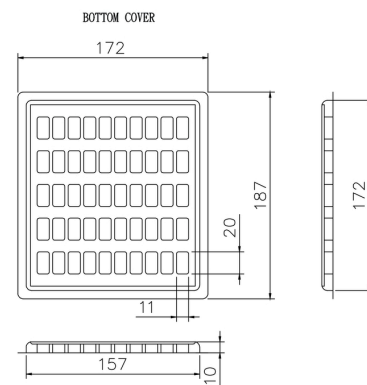
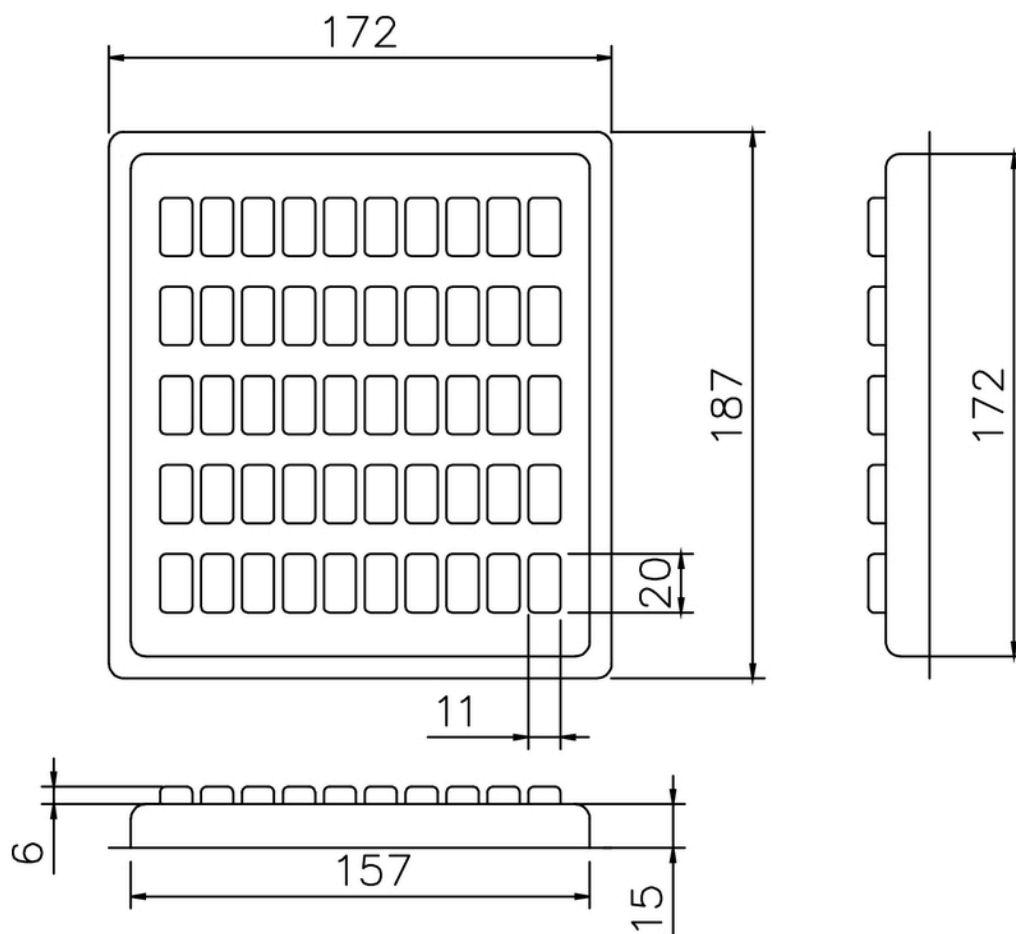
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www.weidmueller.com**Drawings****Dimensioned drawing**

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

Packaging drawing**Packaging drawing****UPPER COVER**

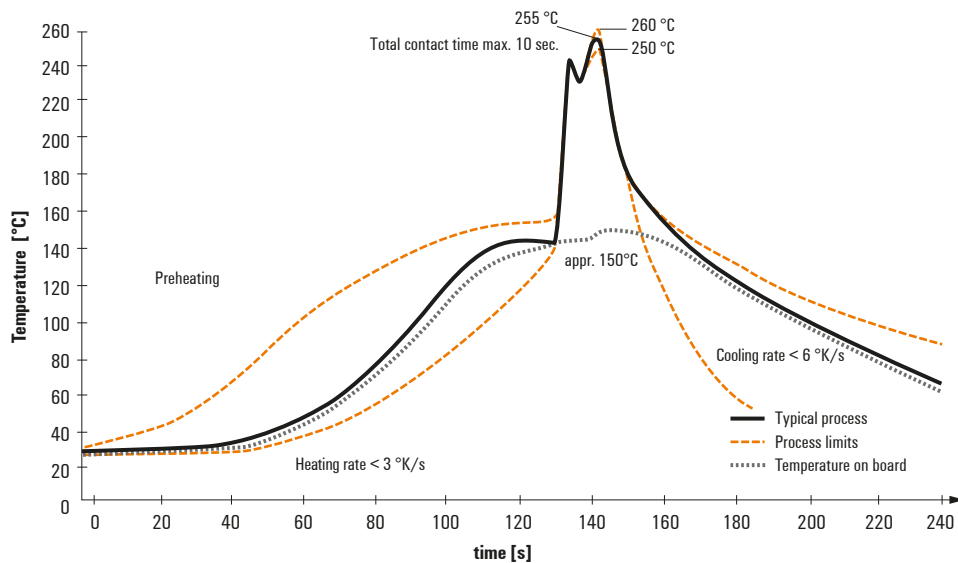
Recommended wave soldering profiles

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.

We reserve the right to make technical changes.