



DATA SHEET

M12 Connector Male 180° PCB Mounting Code A

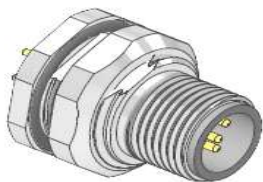
Serie: T61E257

**M12 Connector Male 180°
PCB Mounting Code A**

Serie No.: **T61E257**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.09.2025	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5	

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Technical Description

Sensor Connector	Size M12
Number of Position	4,5,8
Coding	Type A
Pin-Type:	Female
Orientation:	Straight
Wire Termination:	PCB Soldering
Rated current	Look number of Positions
Rated Voltage	Look number of Positions
Insulation Resistance:	≥ 100MΩ
Contact Resistance:	≤ 3mΩ
Temperature Range:	.-40°C to + 85°C
Material Connector Contacts:	Brass
Contact Plating:	Gold Plated 3μ
Material Insert / Housing:	Nylon 66 + GF or PA
Coupling Nut / screw:	Brass with nickel plated
Shielding:	Non-Shielded
Protection Degree:	IP68 in locked status
Overmould/ Shell:	Metal shell
Screw / Nut Material:	Brass C3604 w 120μ" nickel Plated CNC Parts
Material Female Contacts:	Phosphor Bronze C5441 w. 3μ gold plated on nickel base, machined sold pin
Flame retardant degree:	UL94V-0
Sealing:	O-ring (Rubber)
Norm:	IEC 61076-2-101
Lifetime:	>100 Cycles

Description and Applications

EDCON offer a complete line of M12 panel mount connector solutions for enclosure, panel and PCB applications. These M12 connector are offered in both versions Male & Female and are rated to IP67. These connector are designed for both front mounting and rear mounting with PG9 panel locking thread.

Standard sensor, actuator, encoder, servo motors
 Factory automation and process control
 Fieldbus: DeviceNet, CANopen, Profibus, Ethernet, NMEA 2000
 Industrial instrumentation
 Packaging, labeling and logistic devices
 Industrial safety light curtain, light grid, switches
 Commercial electronics PCBA
 Power supply
 LED display panel & outdoor LED lighting

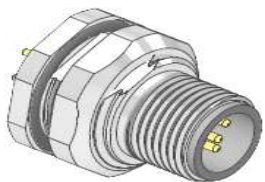
					Tolerances unless otherwise specified (mm)					M12 Connector Male 180° PCB Mounting Code A
					X=	X.X=	X.XX=	X.XXX=	Angle	
					±0,35	±0,25	±0,20	±0,15	±5°	Part No.: T61E257
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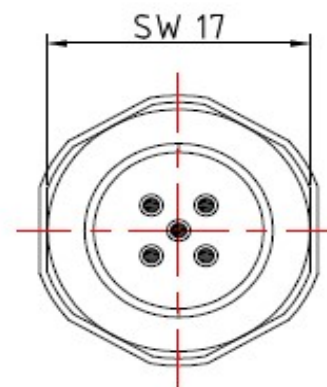
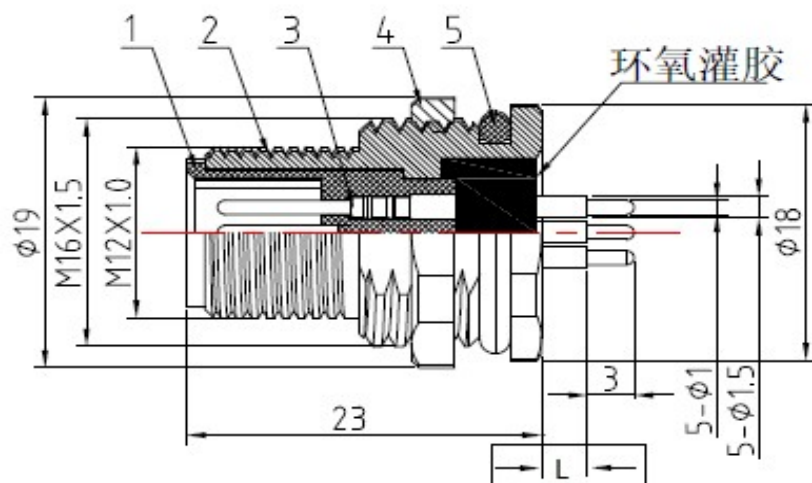
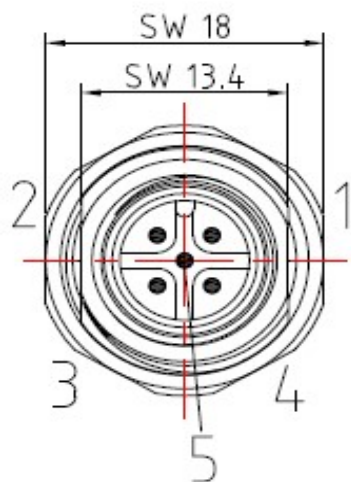
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Technical Dimensions (mm)



Dimension L=		
A=	5,5mm	
B=	12mm	

Pos.	L=	D1	D2
4	5,5mm	Ø5,0	Ø1,5
5	5,5mm	Ø5,0	Ø1,5
6	5,5mm	Ø5,5	Ø1,3

Pos.	L=	D1	D2
4	12mm	Ø5,0	Ø1,5
5	12mm	Ø5,0	Ø1,5
6	12mm	Ø5,5	Ø1,3

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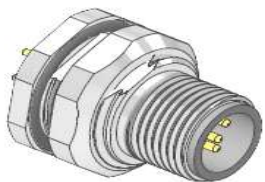
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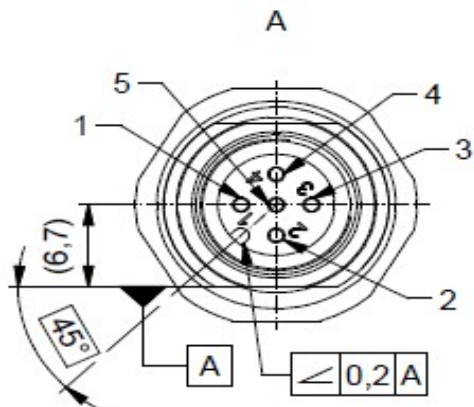


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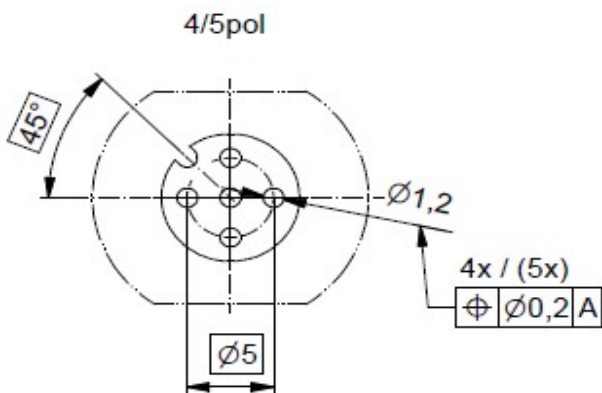


PCB-Layout (PCB View)

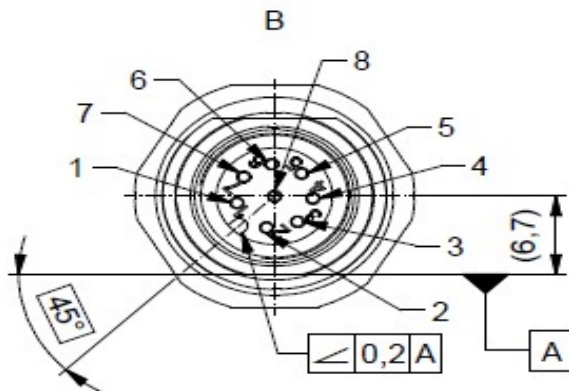
Pinning 4 or 5Pos.



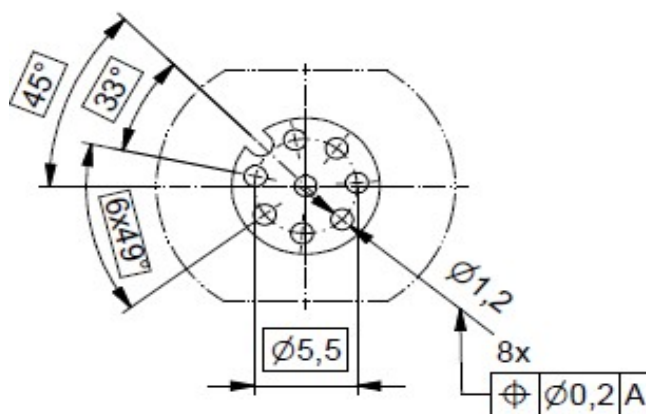
PCB-Layout 4 or 5Pos.



Pinning 8Pos.



PCB-Layout 8Pos.



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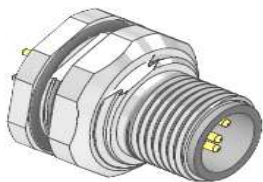
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Ordering Informations

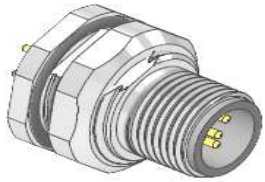
Serie	No. of Pos.	Contact Plating	Insulator Colour	Pin Length (L)	Special function	ROHS	Packing Code			
T61E257	02	AU	BK	A	NN	R	TY			
	AU= Gold-Plated 3µ	BK= Black	A= 5,5mm	NN= No special function	R= ROHS Conform	TY= Tray Package				
			B= 12mm		N= NON ROHS Conform	IV= Individual Package				
04= 4Pos.										
05= 5Pos.										
08= 8Pos.										

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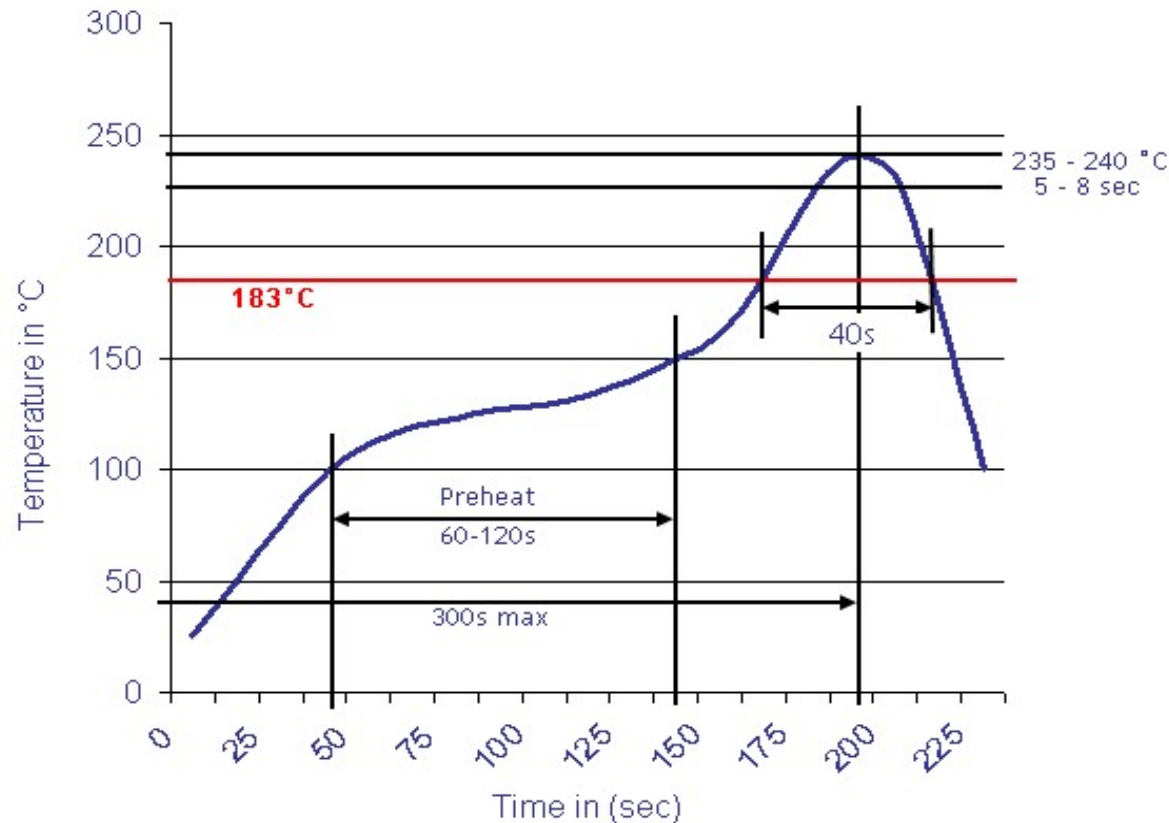


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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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