



DATA SHEET

M16 Round Connector, Male, Cable Type, Outside Screw Locking 90° / 360° Rotation

Serie: T61F006

**M16 Round Connector, Male, Cable
Type, Outside Screw Locking 90° /
360° Rotation**

Serie No.: T61F006

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	04.09.2024	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 6		

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Technical Description

Sensor Connector	Size M12
Number of Position	2,3,4,5,5B,6,7,7B,8,9,12,14,16,18,19,20,24
Pin-Type:	Male
Connecting Termination:	Wire
Locking Type	Outside Screw Locking
Wire Termination:	Solder Lug
Rated current	Look number of Positions
Rated Voltage	Look number of Positions
Insulation Resistance:	≥ 100MΩ
Contact Resistance:	≤ 5mΩ
Rated Impulse Voltage:	1500 V
Temperature Range:	.-40°C to + 95°C
Material Connector Contacts:	CuZn (Brass)
Contact Plating:	Ag(Silver)
Material Insert / Housing:	PBT (UL94 V-0)
Material off Housing:	CuZn (Brass nickel-plated)
EMV compliance:	Shielded
Protection Degree:	IP67 in locked status
Overmould/ Shell:	Metal shell
Overvoltage category:	I
Materail Group:	III
Flame retardant degree:	UL94V-0
Sealing:	O-ring (Rubber)
Norm:	IEC 61076-2-101
Lifetime:	>500 Cycles

Description and Applications

EDCON offer a complete line of M16 panel mount connector solutions for enclosure, panel and PCB applications. These M16 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 M16 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)					M16 Round Connector, Male, Cable Type, Outside Screw Locking 90° / 360° Rotation
					X=	X.X=	X.XX=	X.XXX=	Angle	
					±0,35	±0,25	±0,20	±0,15	±5°	Part No.: T61F006
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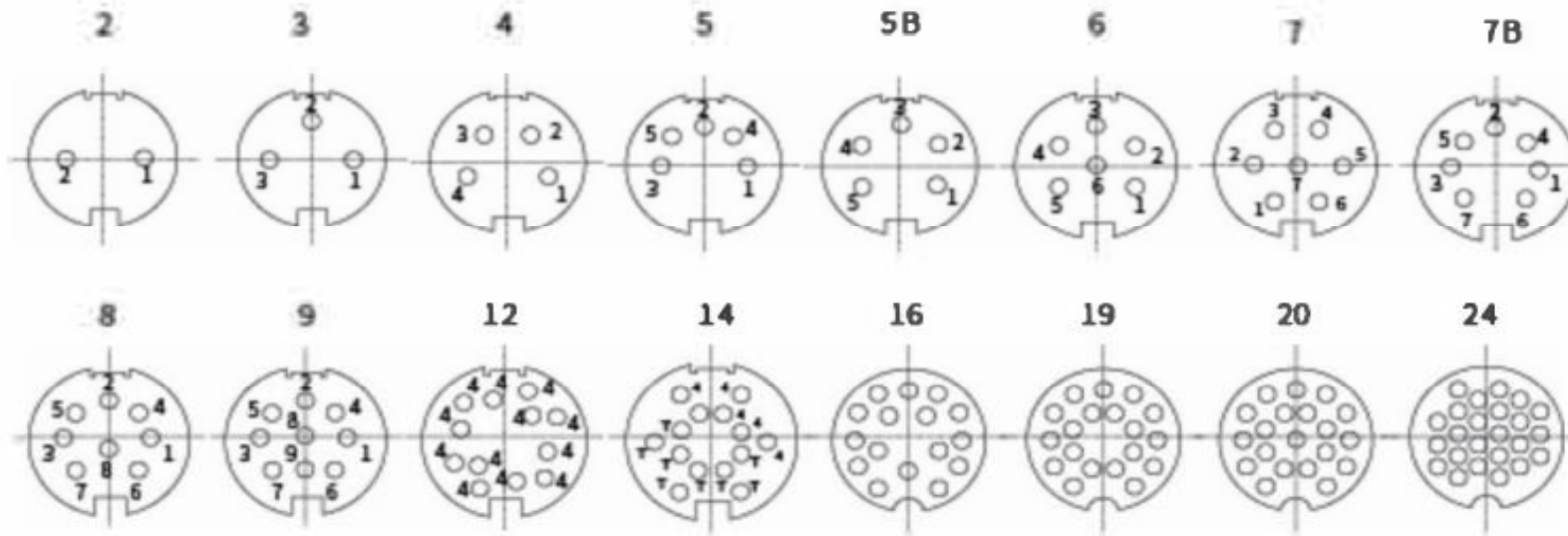
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Contact



Number of contacts	2	3	4	5	5B	6	7	7B	8	9	12	14	16	19	20	24
Rated Voltage (V)	250															
Rated Current (A)	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	3
Contact Resistance	≤5 mΩ															
Degree of Protection	IP67															
Mechanical Operation	> 500cycles															
Temp.Range	-40°C to +95°C															
Outer Cable Diameter	4mm	4mm	4mm	4mm	4mm	4mm	4mm	4mm	4mm	4mm	6mm	6mm	6mm	6mm	6mm	8mm



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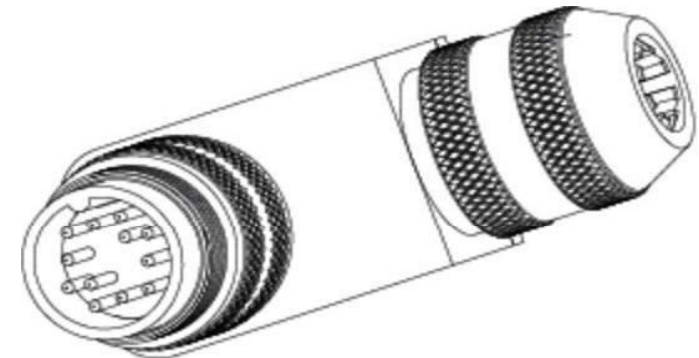
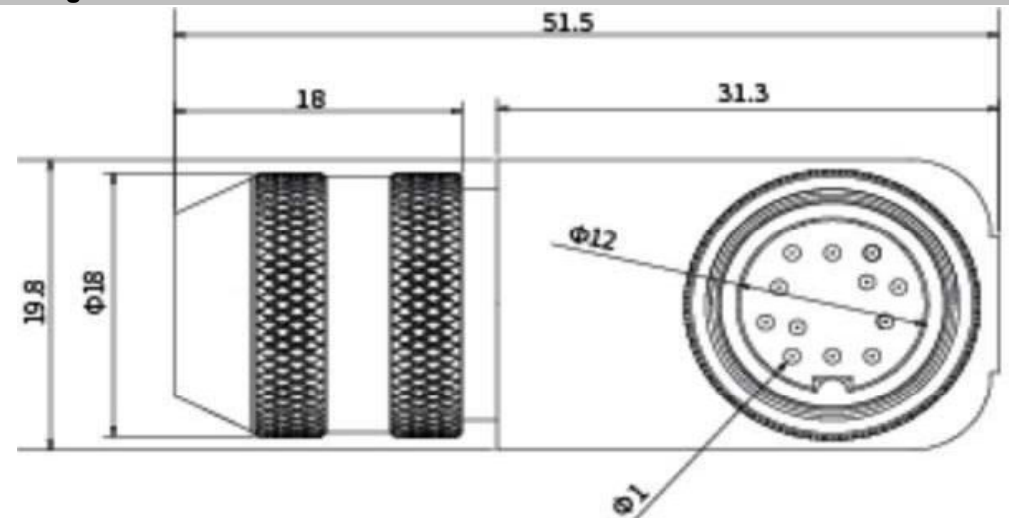
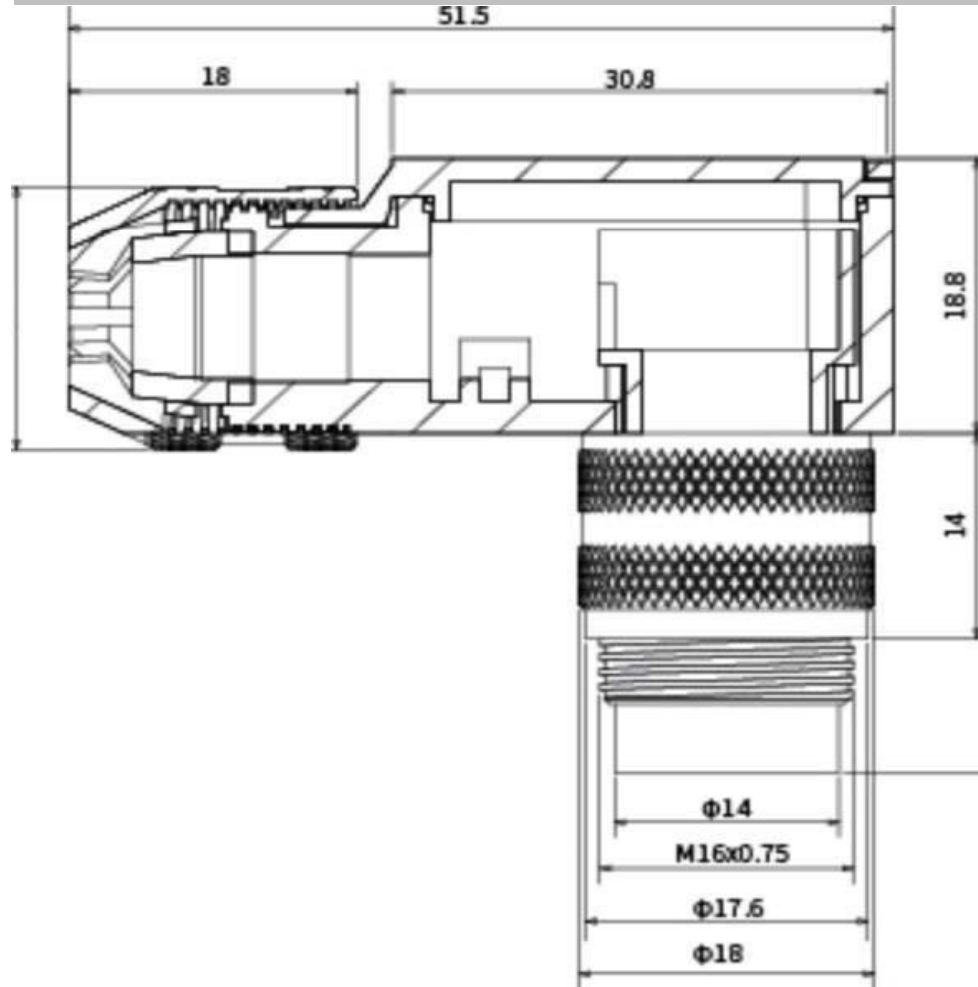
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Contact



Drawing



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Ordering Informations

Serie	No. of Pos.	Contact Type	Contact Plating	Insulator Colour	Special function	ROHS	Packing Code			
T61F006	-	XX	M	AU	BK	NN	R	BU		
	02= 2Pos.	M= Male	AU= Gold-Plated 3μ	BK= Black	NN= No special function	R= ROHS Conform	BU= Bulk-Ware			
	03= 3Pos.					N= NON ROHS Conform	TY= Tray Package			
	04= 4Pos.						IV= Individual Package			
	05= 5Pos.									
	05B= 5Pos.									
	06= 6Pos.									
	07= 7Pos.									
	07B= 7Pos.									
	08= 8Pos.	24= 24Pos.								
	09= 9Pos.	20= 20Pos.								
	12= 12Pos.	19= 19Pos.								
	14= 14Pos.	16= 16Pos.								

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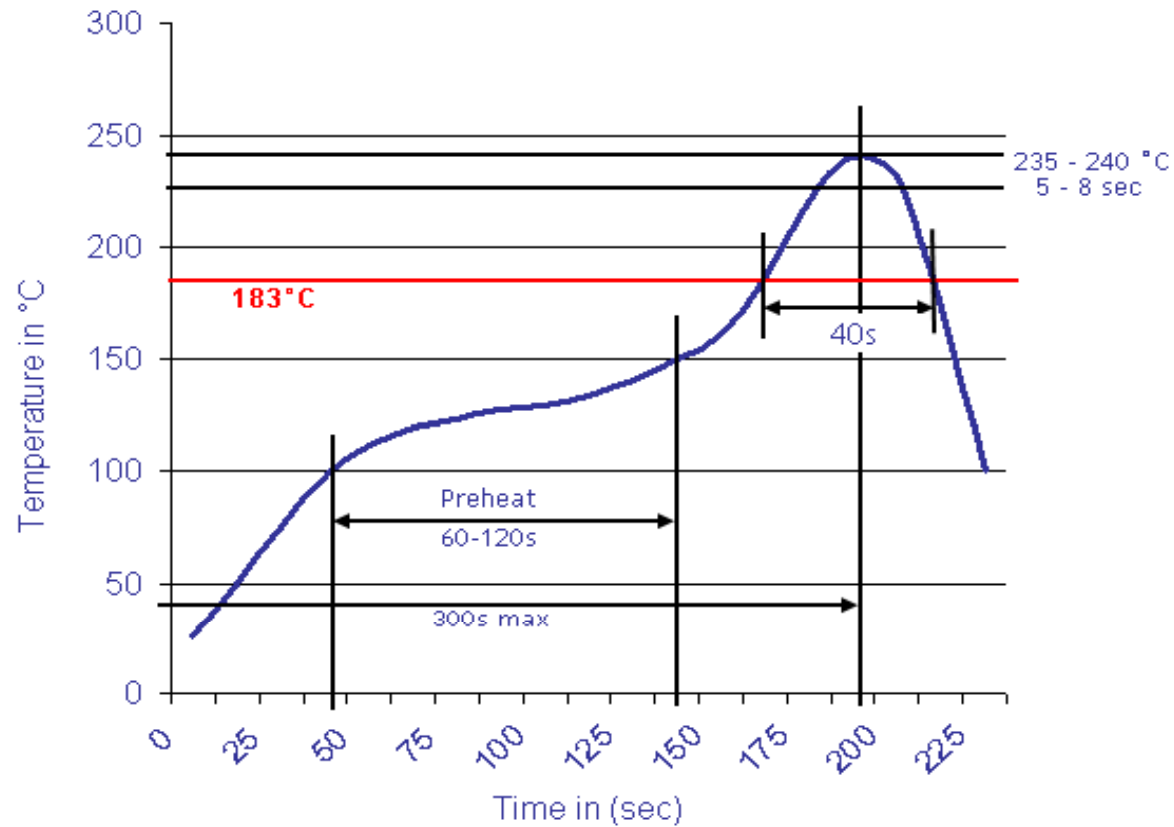
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Soldering Profile Curve

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



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