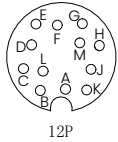


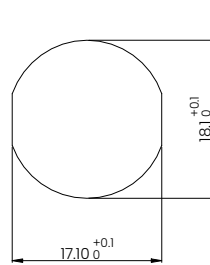
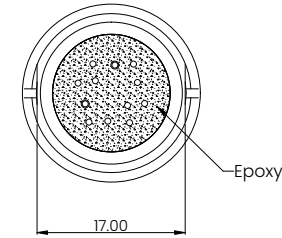
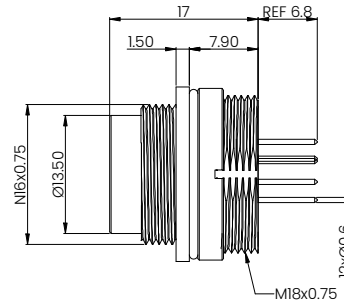
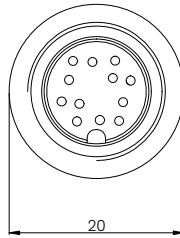
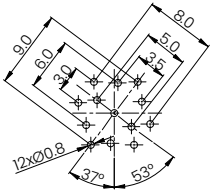


REV	DESCRIPTION	DATE	APPROVEN
R1.0	First issue	2025/03/12	JIM.KING

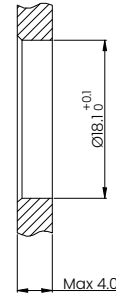
Pinout



PCB Layout



Recommended
Panel cut-out



Technical Specifications	
Coupling	Threaded Coupling
Termination	Screw
Pollution Degree	3
Mating Cycles	≥500
IP Rating	IP67 When Mated
Temperature Range	-25°C ~ +80°C

Core count	12
Rated Voltage/Current	3/60V
Rated Pulse Voltage	500V
Insulation Resistance (MΩ)	≥100
Contact Resistance (mΩ)	≤5

5	Nut	Brass	Nickel Plating	1
4	Sealing Ring	NBR	Black	2
3	Center Pin	Copper Alloy	Gold Plating	12
2	Insulator	PA66 UL94-V0	Black	1
1	Shell	Brass	Nickel Plating	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

-TOLERANCES-
UNLESS OTHERWISE
SPECIFIED

UNLESS OTHERWISE SPECIFIED
TOLERANCES FOR MILLIMETERS
ARE:
0.5 - 8mm ± 0.20mm
8 - 30mm ± 0.25mm
30 - 120mm ± 0.30mm



Metabee (Chengdu) Technology Co., Ltd.
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PART DESCRIPTION: **M16 Male Connector,
Panel Mount, PCB Type, Rear fastened**

P/N: **M16A-12SM-PN-R002**

Appd:	Jim.king	Date	Scale	Unit	Page
Check:		2025.03.12	Free	MM	1/1
Draw:	Gavin				