

EDCON-COMPONENTS



Description

Mechanical:

Shell Material:	Brass Nickel-Plated
Insert Material:	PA66 / Black
Contact Material:	Phosphor Copper
Contact Surface:	AU-Plated
Termination:	PCB- Soldering
Mating Cycle:	500
Operating Temperature	-25°C to + 80°C
IP-Protection Degree:	IP67 into mating Position
O-Ring:	Rubber

Electrical:

Pin contact Resistance:	≤10 mΩ
Isolation Resistance:	≥ 100MΩ
Corrosion Resistance:	Salt Spray test , >48h

Dimensions (mm)

Series	303	304	305	306	308	312	317
Pin Assignment PCB Layout (Front View)							
Pin size	1.0mm	1.0mm	1.0mm	0.8mm	0.8mm	0.6mm	0.6mm
Rated voltage	250V	250V	60V	30V	30V	30V	30V
Rated current	4A	4A	4A	2A	2A	1.0A	1.0A

Order Code (Coding)

Coded	
A	
B	
D	

Panel Cut Out (Code)

M12X1.0-PG9	M12X1.0-M16X1.5

M12 Female PCB 180°

Part No.: **T61E105**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	16.05.2025
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 4

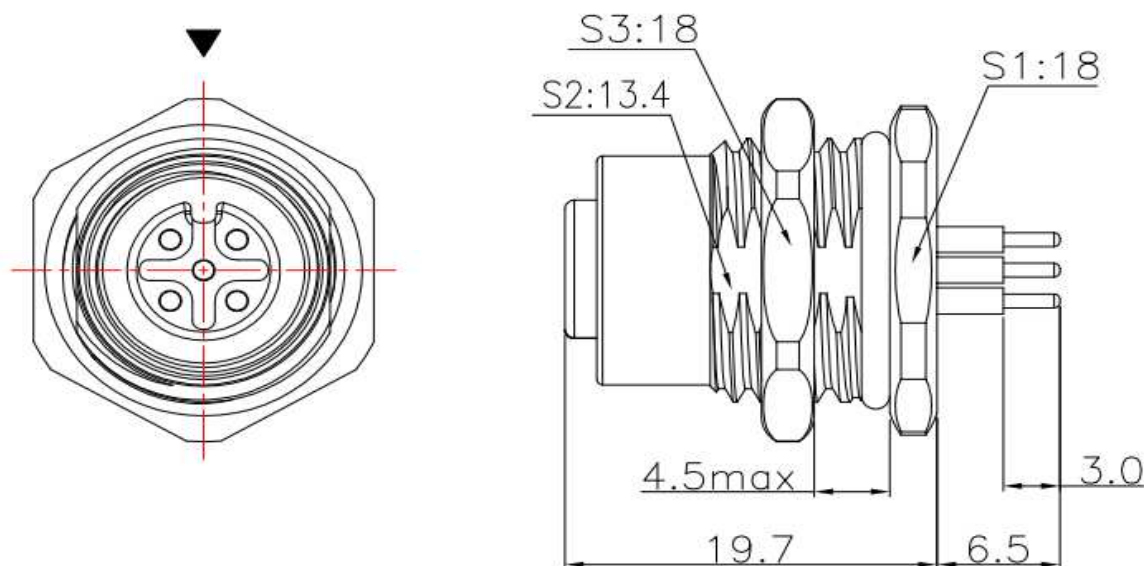
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Technical Drawing (mm)

**M12 Female PCB 180°**Part No.: **T61E105**

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Ordering Informations

Serie	Number of Pos.	Coding	Panel Cut out	Solder Pin length	Contact Plating	ROHS	Packing	
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T61E105	-	03	A	8	B	G0	R	TY
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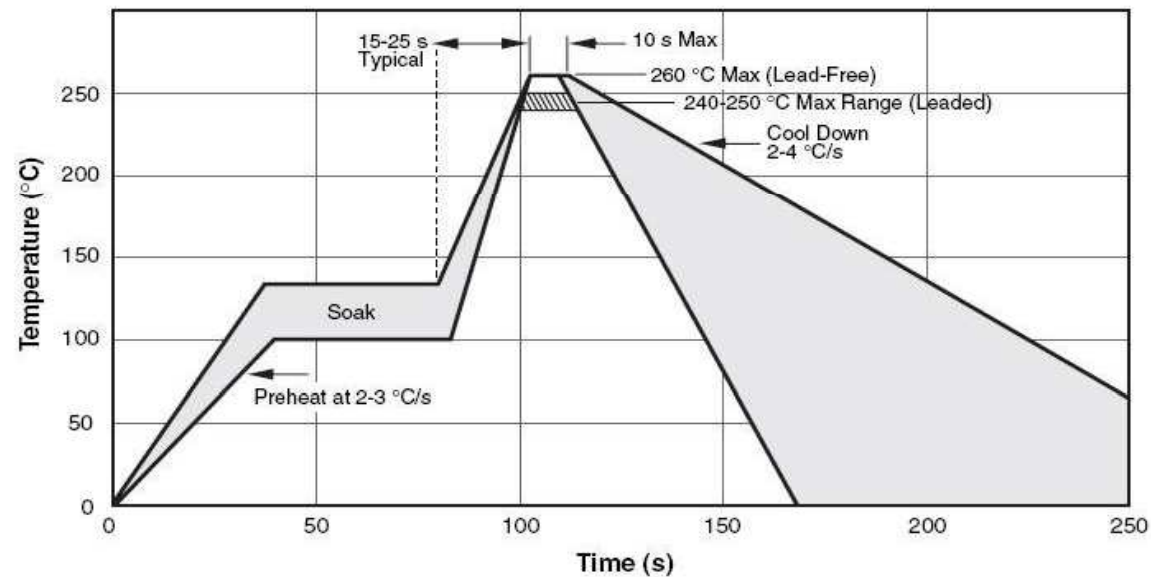
03= 3Position XX= 3,4,5,6,8,12,17 Position	A= Coding	8= M16x1,5mm	B= Standard	G0= AU Plated	R= ROHS Conform	TY= Tray Packing
	B= Coding	7= PG9	A= Customer Special	GX= Special AU Plated	N= NON ROHS Conform	BU= Bulk - Ware into Polybag
	D= Coding					IV= Individual Packing

Tolerance Table					
DIM	A	B	C		
0~5	±0.02	±0.05	±0.10		
5~10	±0.05	±0.10	±0.15	Angle	A
10~50	±0.10	±0.15	±0.20	0~30°	±0.1°
50~100	±0.15	±0.20	±0.25	31~60°	±0.3°
100~	±0.15%	±0.20%	±0.25%	61~90°	±0.5°
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Part No.: T61E105
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Soldering Profile Curve

TYPICAL WAVE SOLDER PROFILE FOR LEADED AND LEAD-FREE THROUGH-HOLE PACKAGES

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APPD:	Schumi			FINISH	Jamy		Sheet No.	4 from 4		