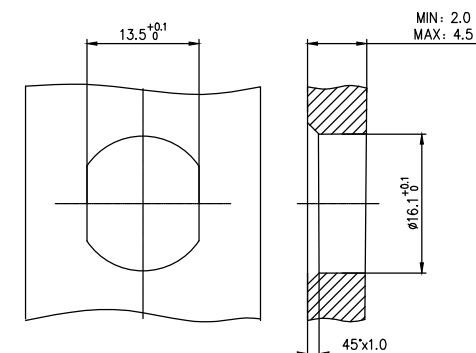
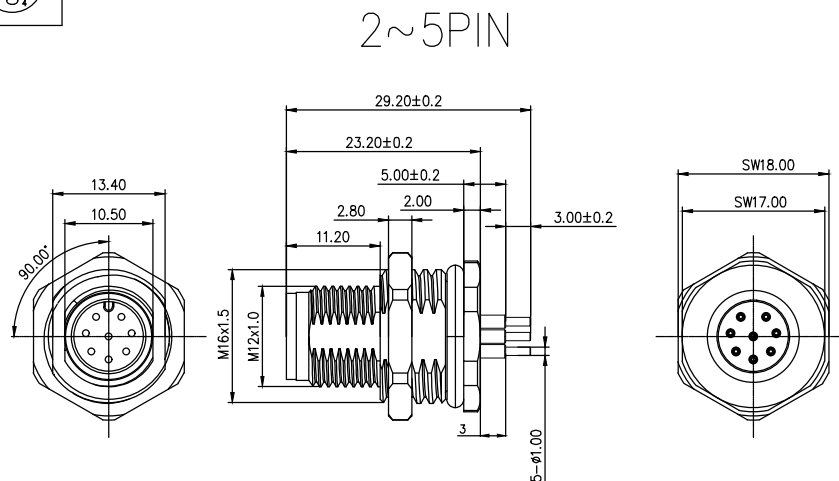
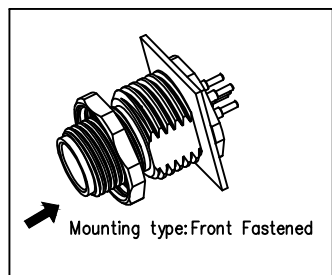


	1		2		
Coded	2Pin	3Pin	4Pin	5Pin	
A-Coded					
B-Coded					
D-Coded					

6		7		8	
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify the total length of ~12 cores	10/Jun/24	King	LEO
REV 2		Modify PCB hole orientation	20/Jan/25	King	LEO



Recommended Panel Cut-Out

Note:

1. Waterproof Rate: IP68
2. This product must meet IEC61076-2-101
3. This product must meet 2011/65/EU ROHS compliance.
4. Not note tolerances: ± 0.20

Ordering Information

FCF4M12 - $\frac{S}{2} \frac{X}{3} \frac{XX}{4} \frac{P}{5} \frac{S}{6} \frac{D}{7} \frac{O}{8} - \frac{00}{9}$

1	Series Name	2	Category	3	Coded	4	Circuits	5	Contact
	FCF4M12		S-Socket		A-A CODED B-B CODED D-D CODED		02-2Circuits 03-3Circuits 04-4Circuits		P-pin

6	Entry Angle S-180° Vertical R-90° Angle	7	Wiring type W-Soldering P-Crimp D-Through Hole	8	Shield 0-without shield 1-with shield	9	SN 00
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Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance
	250V	2500V	4A	$\leq 5\text{m}\Omega$	$\geq 100\text{M}\Omega$
	250V	2500V	4A	$\leq 5\text{m}\Omega$	$\geq 100\text{M}\Omega$
	250V	2500V	4A	$\leq 5\text{m}\Omega$	$\geq 100\text{M}\Omega$
	60V	1500V	4A	$\leq 5\text{m}\Omega$	$\geq 100\text{M}\Omega$

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 18/Apr/24	PART NO. FCF4M12-SXXXPDS0-00	ITEM NO. FCF4M12	 Building Technology Cornerstone	
DESIGN UNITS METRIC		X. ±0.30	X.' ±5'	CHECKED BY GISELLE	DATE 18/Apr/24	TITLE Front lock, M16X1.5, male socket, 180 ° through-hole welding, without shielding		REV 2	SHEET NO. 1/4
SCALE 1:1	SIZE A4	X.XX ±0.15	X.XX' ±1'	DRAWN BY King	DATE 18/Apr/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		X.XXX ±0.10	X.XXX' ±0.5'						

Installation Category	PCBinstall
Degree of protection	IP68(in mated condition)
Mechanical operation	> 100 mating cycles
Upper temperature	105°C
Lower temperature	−40°C
Pollution degree	3
Overvoltage categorie	II
Material group	II
Material of contact	CuZn (Messing/brass)
Contact plating	Au
Material of contact body	PA66
Sealing	EPDM
Material of housing	copper alloy

1					2					3					4					5					6					7					8																			
Coded					9Pin					10Pin					11Pin					12Pin					REV					LOCATIONS					DESCRIPTION					DATE					REVISED					APPD				
A-Coded																									REV 1										Modify the total length of ~12 cores					10/Jun/24					King					LEO				
																									REV 2										Modify PCB hole orientation					20/Jan/25					King					LEO				

Mounting type: Front Fastened

9~12PIN

28.60±0.2
23.20±0.2
4.40±0.2
2.80
2.00
3.00±0.2
11.20
12-φ0.60
3
M16x1.5
M12x1.0
13.40
10.50
90.00°
SW18.00
SW17.00

13.5^{+0.1}₋₀
MIN: 2.0
MAX: 4.5
φ16.1^{+0.1}₋₀
45x1.0

Recommended Panel Cut-Out

Note:

1. Waterproof Rate: IP68
2. This product must meet IEC61076-2-101
3. This product must meet 2011/65/EU ROHS compliance.
4. Not note tolerances: ±0.20

Ordering Information

FCF4M12 - S X XX P S D 0 - 00

1 Series Name - 2 Category - 3 Coded - 4 Circuits - 5 Contact

FCF4M12 - S-Socket - A-A CODED B-B CODED D-D CODED - 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits 09-9Circuits 10-10Circuits 11-11Circuits 12-12Circuits - P-pin

6 Entry Angle - 7 Wiring type - 8 Shield - 9 SN

S-180° Vertical D-Through Hole 0-without shield 00

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance
	30V	800V	1.5A	≤5mΩ	≥100MΩ
	30V	800V	1.5A	≤5mΩ	≥100MΩ
	30V	800V	1.5A	≤5mΩ	≥100MΩ
	30V	800V	1.5A	≤5mΩ	≥100MΩ

	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.
			LEO	18/Apr/24	FCF4M12-SXXXPSD0-00	FCF4M12
	DESIGN UNITS		CHECKED BY	DATE	TITLE	
	METRIC		GISELLE	18/Apr/24	Front lock, M16X1.5, male socket, 180 ° through-hole welding, without shielding	
SCALE	SIZE		DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
1:1	A4		King	18/Apr/24		

TXGA	
Building Technology Cornerstone	
REV 2	SHEET NO. 3/4

A

B

C

D

E

F

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REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify the total length of --~12 cores	10/Jun/24	King	LEO
REV 2		Modify PCB hole orientation	20/Jan/25	King	LEO

A

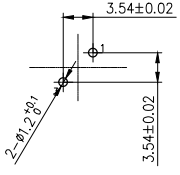
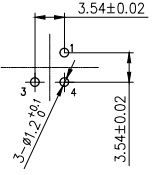
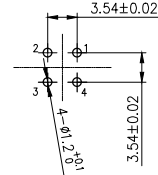
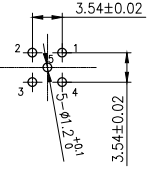
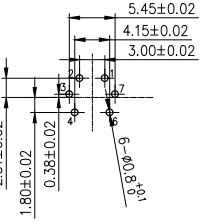
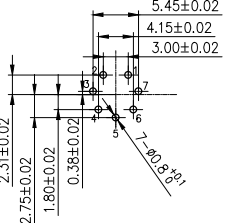
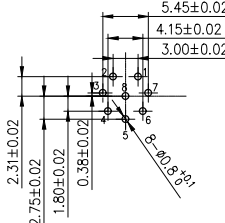
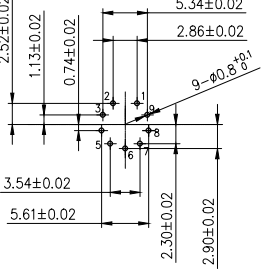
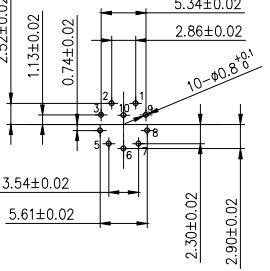
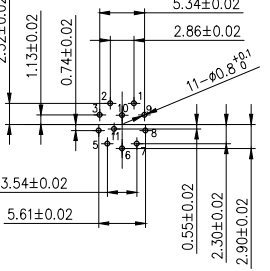
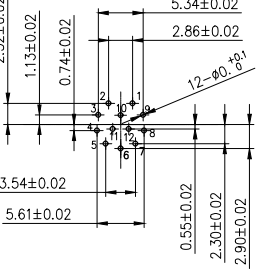
B

C

D

E

F

2-core PCB hole size	3-core PCB hole size	4-core PCB hole size	5-core PCB hole size
			
6-core PCB hole size	7-core PCB hole size	8-core PCB hole size	
			
9-core PCB hole size	10-core PCB hole size	11-core PCB hole size	12-core PCB hole size
			

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 18/Apr/24	PART NO. FCF4M12-SXXXPSD0-00	ITEM NO. FCF4M12	 Building Technology Cornerstone	
		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE			
DESIGN UNITS METRIC		XX ±0.20	XX.* ±2°	GISELLE	18/Apr/24	Front lock, M16X1.5, male socket, 180 ° through-hole welding, without shielding		REV 2	SHEET NO. 4/4
		XX.XX ±0.15	XX.XX.* ±1°	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
SCALE 1:1	SIZE A4	XXX ±0.10	XXX.XX.* ±0.5°	King	18/Apr/24				

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