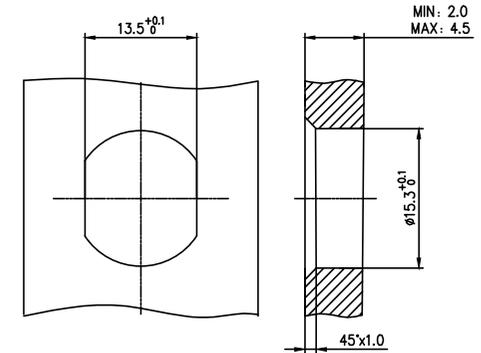
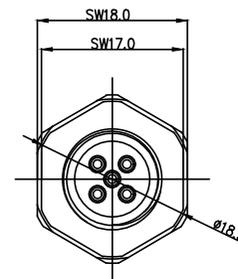
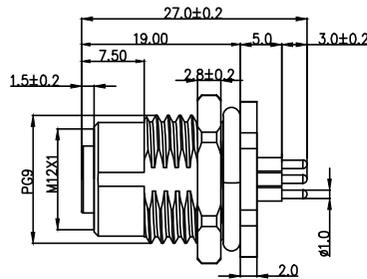
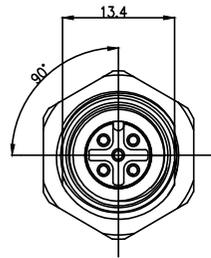
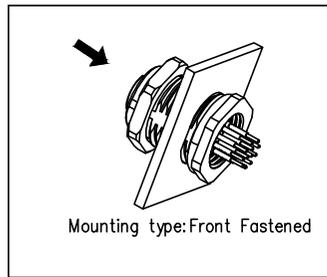


	1	2	3	4	5	6	7	8
	Coded	2Pin	3Pin	4Pin	5Pin			
A	A-Coded							
	B-Coded							
	D-Coded							

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify PCB hole orientation	20/Jan/25	King	LEO
REV 2		1.Added 16/17 core products 2.PCB hole size adjustment annotation method	06/Feb/25	King	LEO

2~5PIN



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

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
Overtoltage 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

Ordering Information

FCF2M12 - $\frac{S}{1}$ $\frac{X}{2}$ $\frac{XX}{3}$ $\frac{S}{4}$ $\frac{S}{5}$ $\frac{D}{6}$ $\frac{0}{7}$ $\frac{0}{8}$ - $\frac{00}{9}$

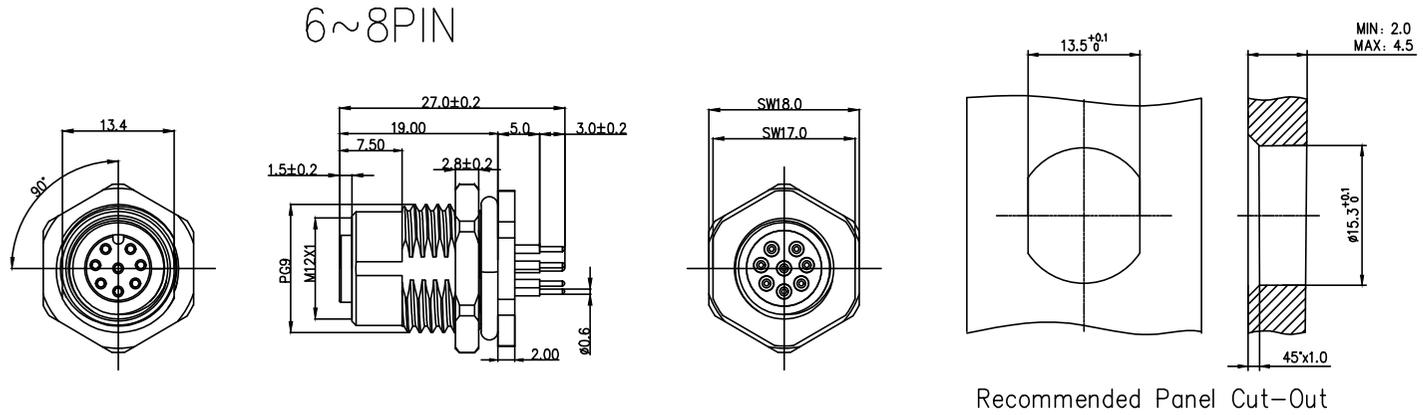
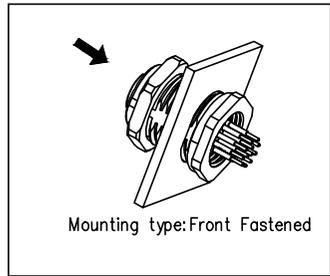
1 Series Name FCF2M12-PG9	2 Category S-Socket	3 Coded A-A CODED B-B CODED D-D CODED	4 Circuits 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits 09-9Circuits 10-10Circuits 11-11Circuits 12-12Circuits 16-16Circuits 17-17Circuits	5 Contact S-Socket
6 Entry Angle S-180° Vertical	7 Wiring type D-Through Hole	8 Shield 0-Without shield	9 SN 00	

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance
	250V	2500V	4A	≤5mΩ	≥100MΩ
	250V	2500V	4A	≤5mΩ	≥100MΩ
	250V	2500V	4A	≤5mΩ	≥100MΩ
	60V	1500V	4A	≤5mΩ	≥100MΩ

 THIRD ANGLE PROJECTION DESIGN UNITS METRIC SCALE 1:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 20/Jan/25	PART NO. FCF2M12-SXXXSSD0-00	ITEM NO. FCF2M12
	X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 20/Jan/25	TITLE M12 female socket, unshielded, 2~17 core, PG9, front lock, codes A/B/D	
	X.X ±0.20	X.X* ±2°	DRAWN BY King	DATE 20/Jan/25	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	X.XX ±0.15	X.XX* ±1°				

 Building Technology Cornerstone	
REV 2	SHEET NO. 1/5

Coded	6Pin	7Pin	8Pin		REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
A-Coded					REV 1		Modify PCB hole orientation	20/Jan/25	King	LEO
					REV 2		1.Added 16/17 core products 2.PCB hole size adjustment annotation method	06/Feb/25	King	LEO



- 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

FCF2M12 - $\frac{S}{1}$ $\frac{X}{2}$ $\frac{XX}{3}$ $\frac{S}{4}$ $\frac{S}{5}$ $\frac{D}{6}$ $\frac{0}{7}$ $\frac{0}{8}$ - $\frac{00}{9}$

1 Series Name FCF2M12-PG9	2 Category S- Socket	3 Coded A-A CODED B-B CODED D-D CODED	4 Circuits 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits 09-9Circuits 10-10Circuits 11-11Circuits 12-12Circuits 16-16Circuits 17-17Circuits	5 Contact S- Socket
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6 Entry Angle S-180° Vertical	7 Wiring type D-Through Hole	8 Shield 0-Without shield	9 SN 00
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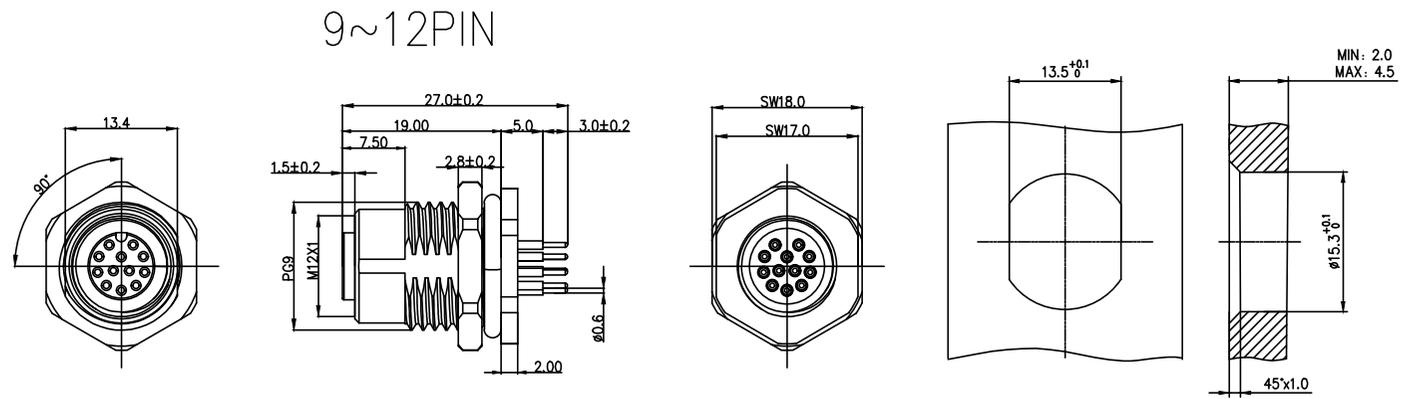
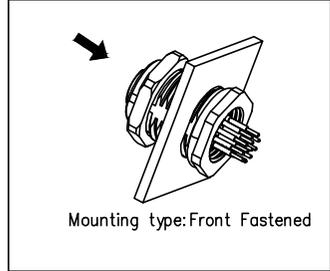
Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance
	30V	800V	2A	≤5mΩ	≥100MΩ
	30V	800V	2A	≤5mΩ	≥100MΩ
	30V	800V	2A	≤5mΩ	≥100MΩ

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
Overtoltage 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

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 20/Jan/25	PART NO. FCF2M12-SXXXSSD0-00	ITEM NO. FCF2M12	 Building Technology Cornerstone
	DESIGN UNITS METRIC	X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 20/Jan/25	TITLE M12 female socket, unshielded, 2~17 core, PG9, front lock, codes A/B/D	
SCALE 1:1	SIZE A4	X.XX ±0.15	X.XX' ±1°	DRAWN BY King	DATE 20/Jan/25	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	REV 2 SHEET NO. 2/5

	1	2	3	4	5	6	7	8
Coded	9Pin	10Pin	11Pin	12Pin				
A-Coded								

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify PCB hole orientation	20/Jan/25	King	LEO
REV 2		1.Added 16/17 core products 2.PCB hole size adjustment annotation method	06/Feb/25	King	LEO



- 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

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
Overtoltage 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

Ordering Information

FCF2M12	-	S	X	XX	S	S	D	0	-	00
1		2	3	4	5	6	7	8		9
1 Series Name	-	2 Category	3 Coded	4 Circuits	5 Contact					
FCF2M12-PG9	-	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 16-16Circuits 17-17Circuits	S-socket					
6 Entry Angle	7 Wiring type	8 Shield	9 SN							
S-180° Vertical	D-Through Hole	0-Without shield	00							

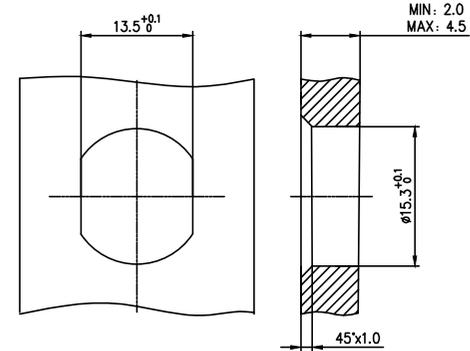
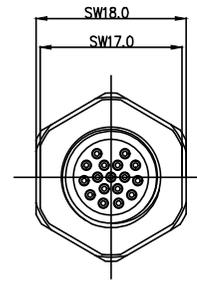
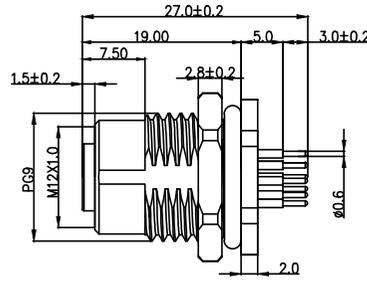
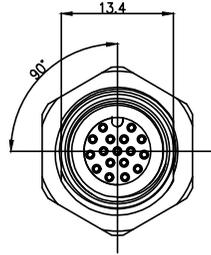
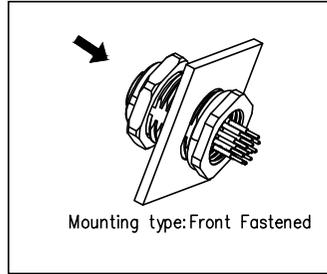
Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance
	30V	800V	1.5A	≤5mΩ	≥100MΩ
	30V	800V	1.5A	≤5mΩ	≥100MΩ
	30V	800V	1.5A	≤5mΩ	≥100MΩ
	30V	800V	1.5A	≤5mΩ	≥100MΩ

 THIRD ANGLE PROJECTION DESIGN UNITS METRIC SCALE 1:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone REV 2 SHEET NO. 3/5
	X. ±0.30	X.* ±5°	CHECKED BY	DATE	FCF2M12-SXXXSSD0-00	FCF2M12	
	X.X ±0.20	X.X* ±2°	GISELLE	20/Jan/25	TITLE	M12 female socket, unshielded, 2~17 core, PG9, front lock, codes A/B/D	
X.XX ±0.15	X.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			
X.XXX ±0.10	X.XXX* ±0.5°	King	20/Jan/25				

	1	2	3	4	5	6	7	8
Coded	16Pin	17Pin						
A-Coded								

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify PCB hole orientation	20/Jan/25	King	LEO
REV 2		1.Added 16/17 core products 2.PCB hole size adjustment annotation method	06/Feb/25	King	LEO

16~17PIN



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

FCF2M12 - 1 2 3 4 5 6 7 8 - 9 00

1 Series Name FCF2M12-PG9	2 Category S-Socket	3 Coded A-A CODED B-B CODED D-D CODED	4 Circuits 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits 09-9Circuits 10-10Circuits 11-11Circuits 12-12Circuits 16-16Circuits 17-17Circuits	5 Contact S-Socket
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6 Entry Angle S-180° Vertical	7 Wiring type D-Through Hole	8 Shield 0-Without shield	9 SN 00
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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

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

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 20/Jan/25	PART NO. FCF2M12-SXXXSSDS-00	ITEM NO. FCF2M12	 Building Technology Cornerstone
	DESIGN UNITS METRIC	X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 20/Jan/25	TITLE M12 female socket, unshielded, 2~17 core, PG9, front lock, codes A/B/D	
SCALE 1:1	SIZE A4	X.XX ±0.15	X.XX' ±1°	DRAWN BY King	DATE 20/Jan/25	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify PCB hole orientation	20/Jan/25	King	LEO
REV 2		1.Added 16/17 core products 2.PCB hole size adjustment annotation method	06/Feb/25	King	LEO

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	16-core PCB hole size	17-core PCB hole size		

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 20/Jan/25	PART NO. FCF2M12-SXXXSSD0-00	ITEM NO. FCF2M12	 Building Technology Cornerstone	
	X. ±0.30	X.* ±5'	CHECKED BY GISELLE	DATE 20/Jan/25	TITLE M12 female socket, unshielded, 2~17 core, PG9, front lock, codes A/B/D			REV 2
	DESIGN UNITS METRIC	X.X ±0.20	X.X' ±2'	DRAWN BY King	DATE 20/Jan/25	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 5/5
	SCALE 1:1	SIZE A4	X.XX ±0.15	X.XX' ±1'	X.XXX ±0.10	X.XXX' ±0.5'		