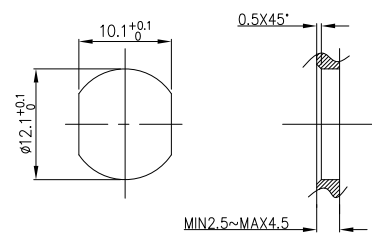
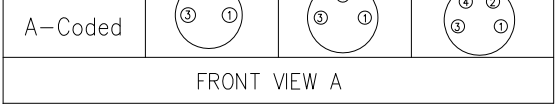
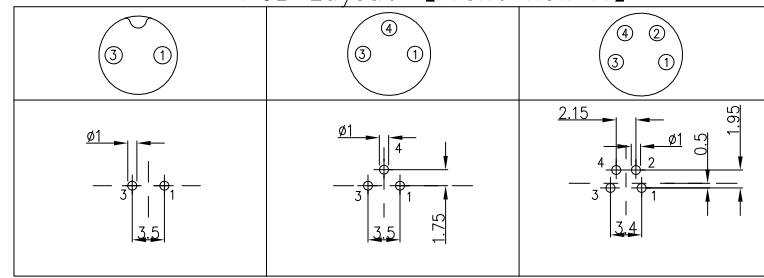
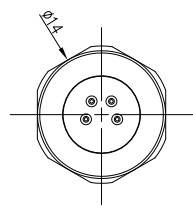
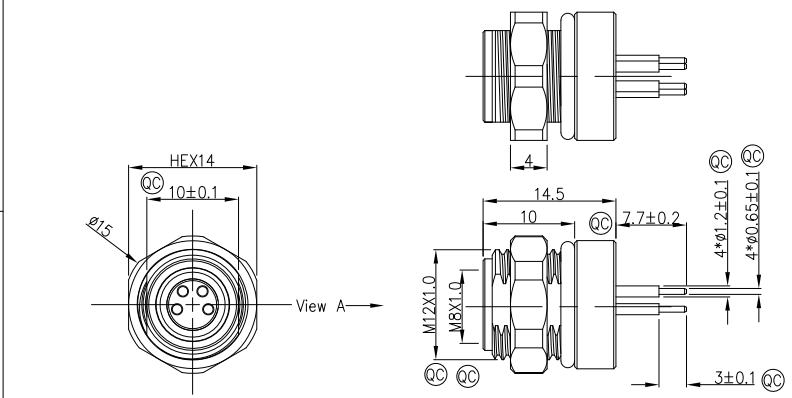


1	2	3	4	5	6	7	8			
Circuits	2Circuits	3Circuits	4Circuits		REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
A-Coded					0		New Release	4/DEC		FRANK



Note:
 1. Ⓞ Important Dimension
 2. Waterproof Rate: IP68
 3. This product must meet IEC61076-2-104
 4. This product must meet 2011/65/EU ROHS compliance.
 5. Not note tolerances: ±0.20
 6. Use torque values 1Nm



Connector locking system	Screw
Wiring type	Through Hole
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	PA
Sealing	EPDM
Material of housing	Brass nickel plated

Ordering Information

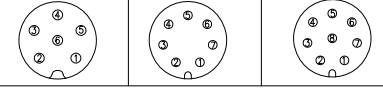
FM8S T08 12 - X XX S 1 04 D 00
 1 2 3 4 5 6 7 8 9

- 1 Series Name - FM8S-M8 Socket
- 2 Mounting thread - T08-Front fastened M12X1.0
- 3 Distinction No. - 12
- 4 Coded - A-A CODED B-B CODED
- 5 Circuits - 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits
- 6 Contact - S-Socket
- 7 Plating - 1-Ep Au
- 8 Thickness Plating - 04-0.1μm
- 9 Wire type - D-Through Hole

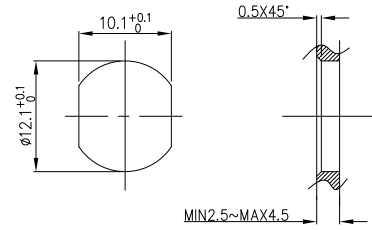
Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current (40°C)	Contact resistance	Insulation resistance
	60V DC	1500V	4A	≤3mΩ	≥100MΩ
	60V DC	1500V	4A	≤3mΩ	≥100MΩ
	60V DC	1500V	4A	≤3mΩ	≥100MΩ

 THIRD ANGLE PROJECTION DESIGN UNITS Metric SCALE 2:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 4/DEC/23	PART NO. FM8ST0812-XXXS104D00	ITEM NO. FM8ST0812	 Building Technology Cornerstone
	X.±0.30	.X'±5'	CHECKED BY CHERRY	DATE 4/DEC/23	TITLE M8X1.0 female socket 180° [THT] front fastened M12X1.0 without shield		
	X.XX±0.15	.XX'±1'	DRAWN BY LAM	DATE 4/DEC/23	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S,Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		REV 0 SHEET NO. 1/3
	X.XXX±0.10	.XXX'±0.5'					

1	2	3	4	5	6	7	8			
Circuits	6Circuits	7Circuits	8Circuits		REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
A-Coded					0		New Release	4/DEC		FRANK

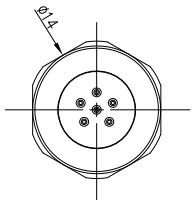
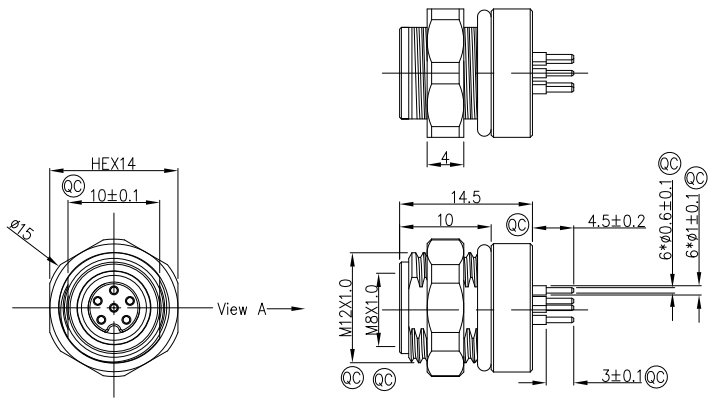


FRONT VIEW A

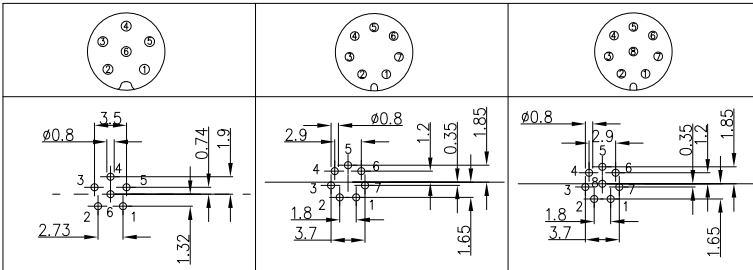


Recommended Panel Cut-Out

- Note:
- ① Important Dimension
 - Waterproof Rate: IP68
 - This product must meet IEC61076-2-104
 - This product must meet 2011/65/EU ROHS compliance.
 - Not note tolerances: ±0.20
 - Use torque values 1Nm



PCB Layout 【Front view A】



Connector locking system	Screw
Wiring type	Through Hole
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	PA
Sealing	EPDM
Material of housing	Brass nickel plated

Ordering Information

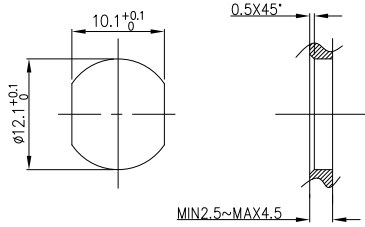
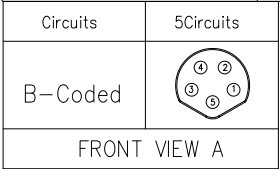
FM8S T08 12 - X XX S 1 04 D 00
 1 2 3 4 5 6 7 8 9

- | | | | | | |
|---------------------------------|--|-------------------------------|-----------------------------------|--|-----------------------|
| 1 Series Name
FM8S-M8 Socket | 2 Mounting thread
T08-Front fastened
M12X1.0 | 3 Distinction No.
12 | 4 Coded
A-A CODED
B-B CODED | 5 Circuits
02-2Circuits
03-3Circuits
04-4Circuits
05-5Circuits
06-6Circuits
07-7Circuits
08-8Circuits | 6 Contact
S-socket |
| 7 Plating
1-Ep Au | 8 Thickness Plating
04-0.1μm | 9 Wire type
D-Through Hole | | | |

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current (40°C)	Contact resistance	Insulation resistance
	30V DC	800V	1.5A	≤3mΩ	≥100MΩ
	30V DC	800V	1.5A	≤3mΩ	≥100MΩ
	30V DC	800V	1.5A	≤3mΩ	≥100MΩ

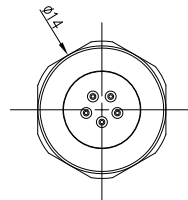
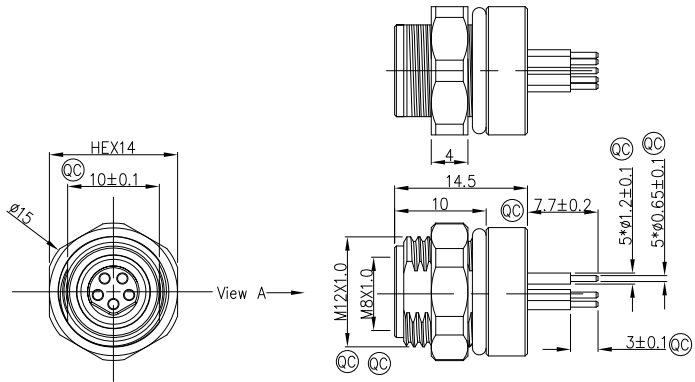
THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 4/DEC/23	PART NO. FM8ST0812-XXXS104D00	ITEM NO. FM8ST0812	TXGA Building Technology Cornerstone
	DESIGN UNITS Metric	X.±0.30	X.±5°	CHECKED BY CHERRY	DATE 4/DEC/23	TITLE M8X1.0 female socket 180° [THT] front fastened M12X1.0 without shield	
SCALE 2:1	SIZE A4	X.XX±0.15	.XX±1°	DRAWN BY LAM	DATE 4/DEC/23	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	.XXX±0.5°			REV 0	SHEET NO. 2/3

1	2	3	4	5	6	7	8			
Circuits	5Circuits				REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
B-Coded					0		New Release	4/DEC		FRANK

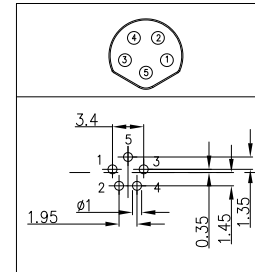


Recommended Panel Cut-Out

- Note:
- ① Important Dimension
 - Waterproof Rate: IP68
 - This product must meet IEC61076-2-104
 - This product must meet 2011/65/EU ROHS compliance.
 - Not note tolerances: ±0.20
 - Use torque values 1Nm



PCB Layout 【Front view A】



Connector locking system	Screw
Wiring type	Through Hole
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	PA
Sealing	EPDM
Material of housing	Brass nickel plated

Ordering Information

FM8S T08 12 - X XX S 1 04 D 00
 1 2 3 4 5 6 7 8 9

- 1 Series Name - FM8S-M8 Socket
- 2 Mounting thread - T08-Front fastened M12X1.0
- 3 Distinction No. - 12
- 4 Coded - A-A CODED B-B CODED
- 5 Circuits - 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits
- 6 Contact - S-Socket

- 7 Plating - 1-Ep Au
- 8 Thickness Plating - 04-0.1μm
- 9 Wire type - D-Through Hole

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current (40°C)	Contact resistance	Insulation resistance
	60V DC	1500V	4A	≤3mΩ	≥100MΩ
	63V DC	1500V	4A	≤3mΩ	≥100MΩ

 THIRD ANGLE PROJECTION DESIGN UNITS Metric SCALE 2:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 4/DEC/23	PART NO. FM8ST0812-XXXS104D00	ITEM NO. FM8ST0812	 Building Technology Cornerstone REV 0 SHEET NO. 3/3
	X.±0.30	X.±5°	CHECKED BY CHERRY	DATE 4/DEC/23	TITLE M8X1.0 female socket 180° [THT] front fastened M12X1.0 without shield		
	X.XX±0.20	.X'±2°	DRAWN BY LAM	DATE 4/DEC/23	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S,Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		