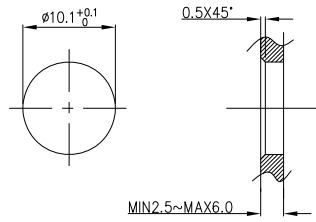
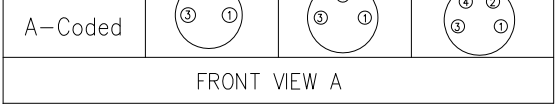
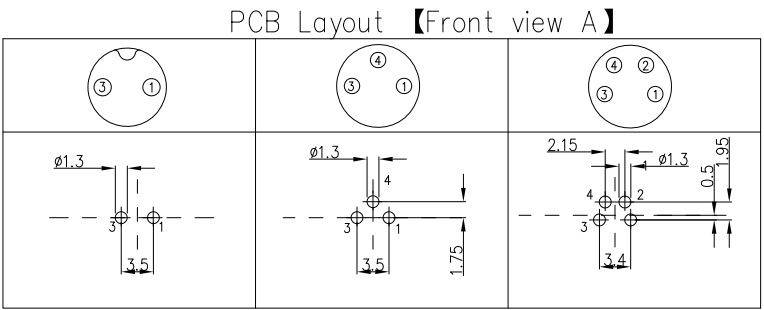
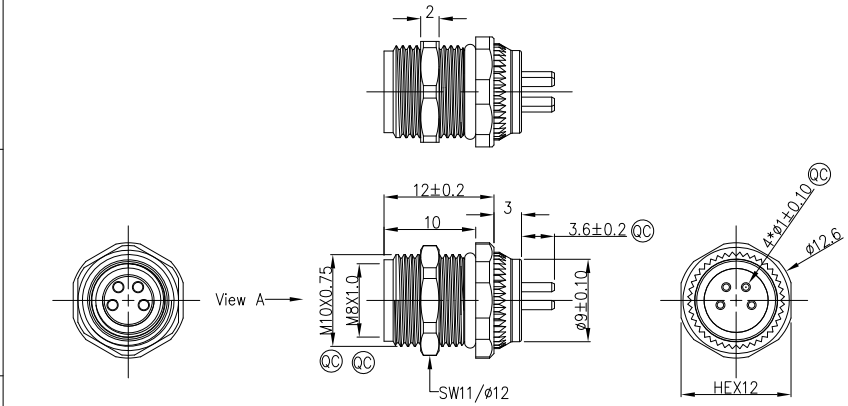


1	2	3	4	5	6	7	8			
Circuits	2Circuits	3Circuits	4Circuits		REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
A-Coded					0		New Release	4/DEC		FRANK



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

Recommended Panel Cut-Out



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

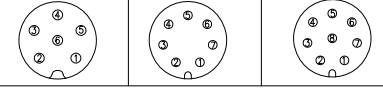
FM8S T05 11 - X XX S 1 04 D 00
 1 2 3 4 5 6 7 8 9

1 Series Name FM8S-M8 Socket	2 Mounting thread T05-Front fastened M10X0.75	3 Distinction No. 11	4 Coded A-A CODED B-B CODED D-D 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			

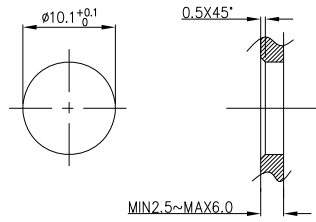
Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Currnt (40°C)	Contact resistance	Insulation resistance
	60V DC	1500V	4A	≤3mΩ	≥100MΩ
	60V DC	1500V	4A	≤3mΩ	≥100MΩ
	60V DC	1500V	4A	≤3mΩ	≥100MΩ

 THIRD ANGLE PROJECTION DESIGN UNITS Metric SCALE 2:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 4/DEC/23	PART NO. FM8ST0511-XXXS104D00	ITEM NO. FM8ST0511	 Building Technology Cornerstone REV 0 SHEET NO. 1/3
	X.±0.30	.X'±5'	CHECKED BY CHERRY	DATE 4/DEC/23	TITLE M8X1.0 female socket 180° [THT] front fastened M10X0.75 without shield		
	X.XX±0.20	.X'±2'	DRAWN BY LAM		DATE 4/DEC/23		
	X.XX±0.15	.XX'±1'	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'						

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

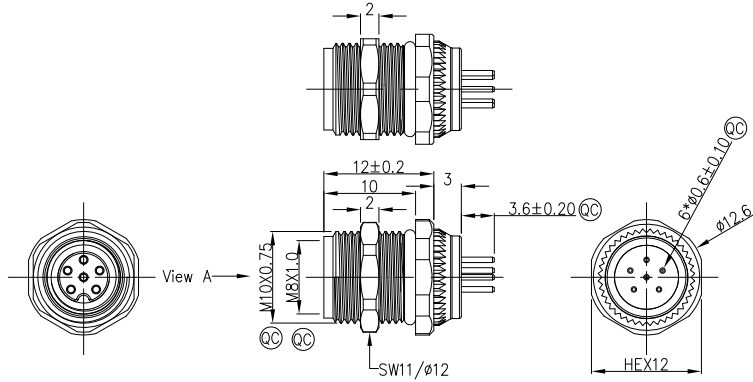


FRONT VIEW A

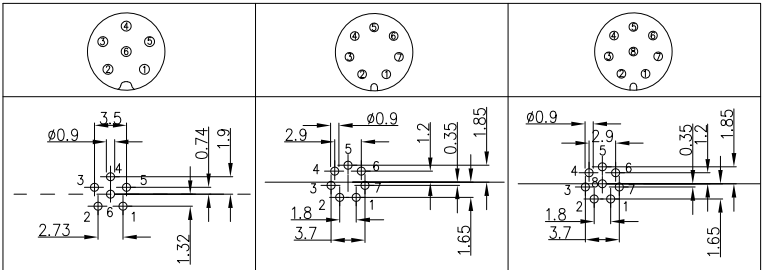


Recommended Panel Cut-Out

Note:
 1. Ⓞ Important Dimension
 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



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 T05 11 - X XX S 1 04 D 00
 1 2 3 4 5 6 7 8 9

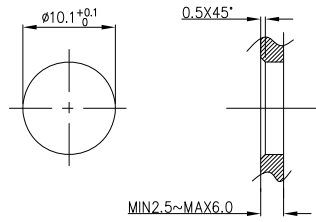
1 Series Name FM8S-M8 Socket	2 Mounting thread T05-Front fastened M10X0.75	3 Distinction No. 11	4 Coded A-A CODED B-B CODED D-D CODED	5 Circuits 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits	6 Contact S-Socket
7 Plating 1-Ep Au	8 Thickness Plating 04-0.1μm	9 Wire type D-Through Hole			

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Currnt (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. FM8ST0511-XXXS104D00	ITEM NO. FM8ST0511	 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 M10X0.75 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	

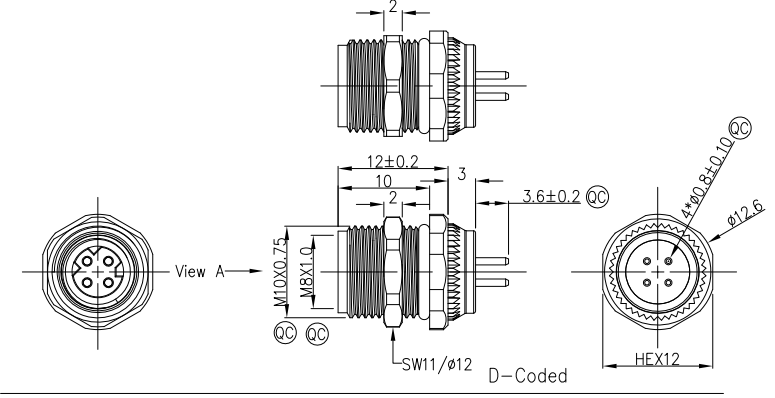
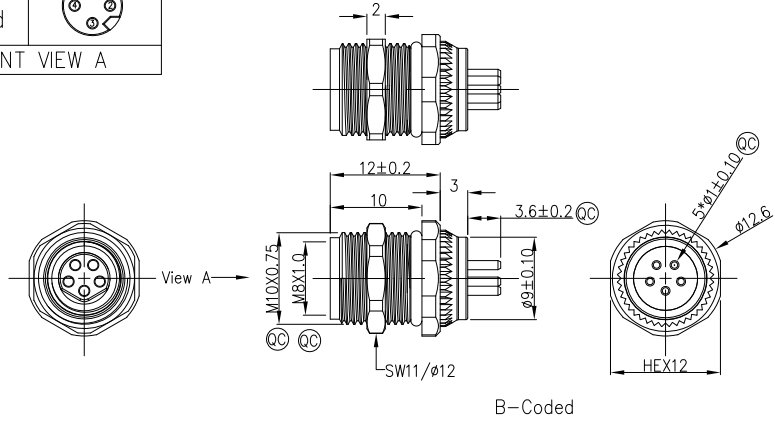
Circuits	5Circuits
B-Coded	
Circuits	4Circuits
D-Coded	
FRONT VIEW A	

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
0		New Release	4/DEC		FRANK

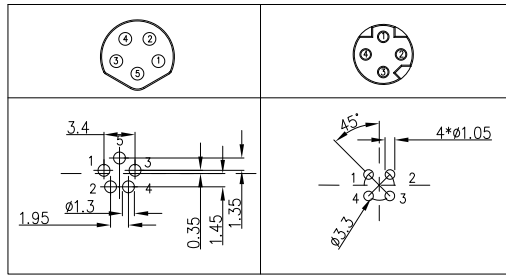


Recommended Panel Cut-Out

- 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 T05 11 - 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
T05-Front fastened
M10X0.75 | 3 Distinction No.
11 | 4 Coded
A-A CODED
B-B CODED
D-D 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 |
|----------------------|---------------------------------|-------------------------------|

 THIRD ANGLE PROJECTION DESIGN UNITS Metric SCALE 2:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 4/DEC/23	PART NO. FM8ST0511-XXXS104D00	ITEM NO. FM8ST0511	 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 M10X0.75 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		
	X.XXX±0.10	.XXX'±0.5'					