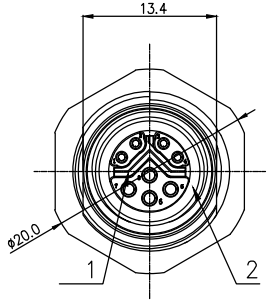
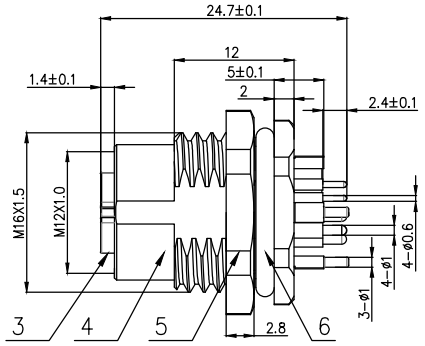
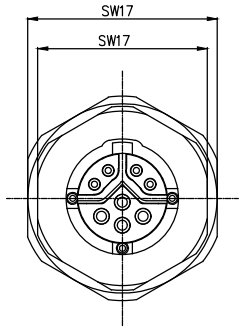
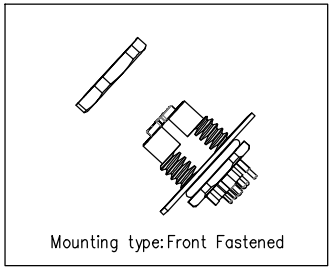
Pin No. / Coded	6PIN	8PIN
Y-Coded		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

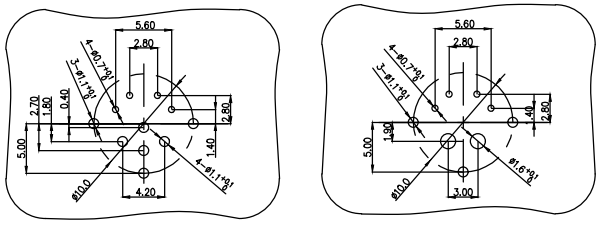




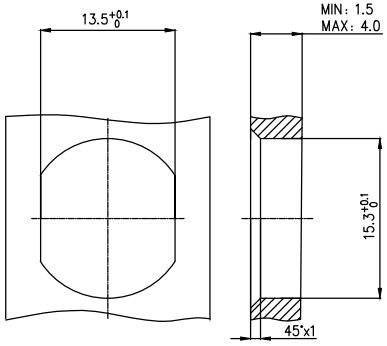




Note:
1. Waterproof Rate: IP67
2. This product must meet: Y encoding: IEC 61076-2-113
3. This product must meet 2011/65/EU ROHS compliance.
4. Not note tolerances: ±0.20



Y encoding PCB Distribution of plate opening positions



Recommended Panel Cut-Out

6	M12- Waterproof sealing ring
5	Y-code nut
4	Y-code socket housing
3	Y-code master rubber core
2	M12- Waterproof sealing ring
1	Y-code zinc alloy inner shell

Ordering Information

FCF4M12 – S Y XX S S D S – 00
1 2 3 4 5 6 7 8 9

1 Series Name: FCF4M12-M16X1.5
2 Category: S-Socket
3 Coded: Y-Y CODED
4 Circuits: 06-6Circuits; 08-8Circuits
5 Contact: S-Socket
6 Entry Angle: S-180° Vertical; R-90° Angle
7 Wiring type: W-Soldering; P-Crimp; D-Through Hole
8 Shield: 0-without shield; s-with shield
9 SN: 00

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current (40°C)	Contact resistance	Insulation resistance	Signal type classification
	50V	800V	0.5A/10A	≤3mΩ	≥100MΩ	CAT5.
	50V	800V	0.5A/6A	≤3mΩ	≥100MΩ	CAT5.

Connection method	Wave soldering
Degree of protection	IP67(in mated condition)
Mechanical operation	> 100 mating cycles
Upper temperature	105°C
Lower temperature	-40°C
Pollution degree	3
Overvoltage categorie	III
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

DESIGN UNITS METRIC

SCALE 1:1 SIZE A4

GENERAL TOLERANCES (UNLESS SPECIFIED)

X. ±0.30	X.° ±5°
X.X ±0.20	X.X° ±2°
X.XX ±0.15	X.XX° ±1°
X.XXX ±0.10	X.XXX° ±0.5°

APPROVE BY	LEO	DATE 11/SEP/24
CHECKED BY	GISELLE	DATE 11/SEP/24
DRAWN BY	King	DATE 11/SEP/24

PART NO. FCF4M12-SYXXSSDS-00
ITEM NO. FCF4M12
TITLE: M12 Female panel mount connector,Contacts: 6/8,With shielding,Y code,IP67,M16X1.5,Front fastened

TXGA Building Technology Cornerstone

REV 0 SHEET NO. 1/1

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