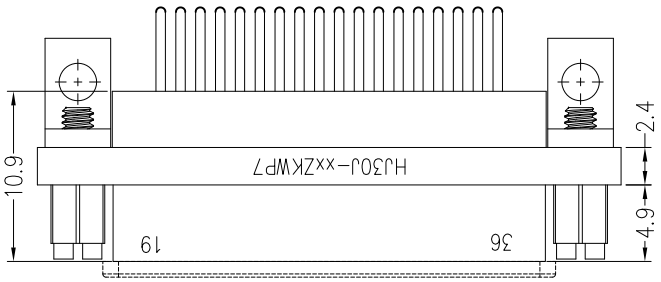
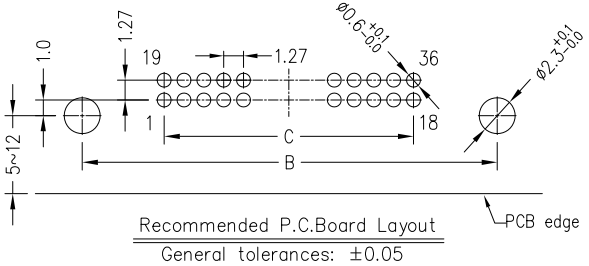
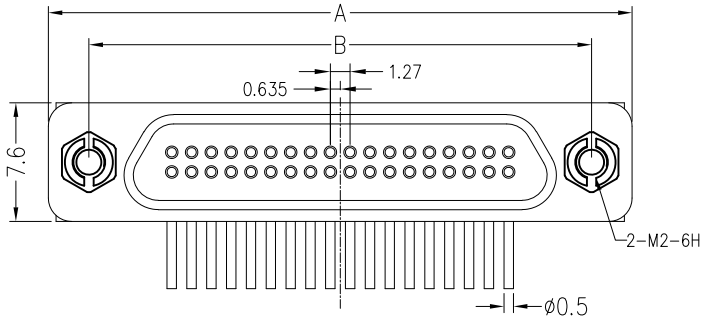
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

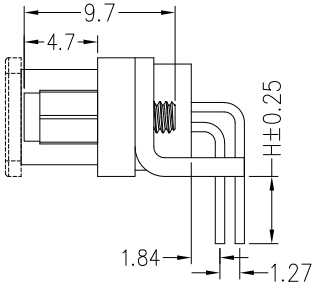


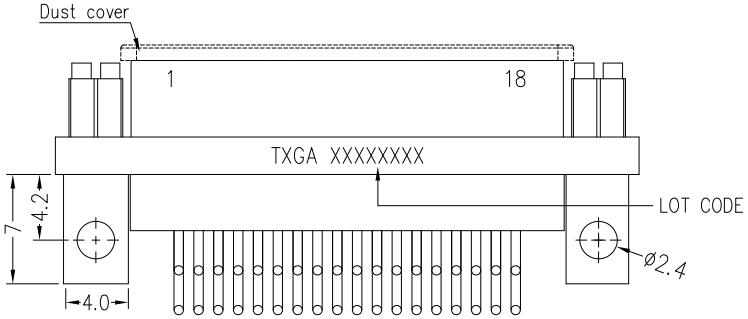


Recommended P.C.Board Layout

General tolerances: ±0.05







Circuits (n)	Part No.	Dimensions(mm)		
		A	B	C
12	FMD005-F012BDRD-00	23.5	18.2	6.35
18	FMD005-F018BDRD-00	27.4	22.0	10.16
24	FMD005-F024BDRD-00	29.8	24.5	13.97
30	FMD005-F030BDRD-00	33.6	28.3	17.78
36	FMD005-F036BDRD-00	37.4	32.2	21.59

SPECIFICATIONS

Electrical

- Current Rating: 3.0A AC(rms)/DC
- Voltage Rating: 500V AC(rms)/DC
- Contact Resistance: 20 mΩ Max
- Insulation Resistance: 5000 MΩ MIN
- Withstanding Voltage: 800V AC r.m.s
- Data Rate: 1.65Gbps
- Characteristic Impedance: 100±15Ω
- Near-end Crosstalk: 30dB Min in 100ps Time
- Temperature Range-Operating: -55℃~+125℃

Mechanical

- Durability: 500 Cycles
- Vibration: Frequency 10~2000Hz, Acceleration 196m/s², Shock: Peak Acceleration 735m/s² 11ms.

Material and Plating

- Housing: High-temperature plastic Natural(UL94V-0)
- Contact Pin: Copper Alloy/Gold Plated
- Shell: Aluminium alloy/Nickel Plated
- Screw&Nut: Stainless steel

Ordering Information

FMD0	05	—	F	XXX	B	D	XX	-	0	X
1	2		3	4	5	6	7		8	9

1	Category: FMD0-Micro-D Connector	2	Distinction No.: 05	3	Gender: F-Female	4	Circuits: 12, 18, ...	5	Entry Angle: B-90° Angle
6	Assembly Layout: D-DIP	7	Color-Seal Pad: RD-Red	8	Type: 0-Standard	9	H: 0-H=4.3		

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 08/MAY/25	PART NO. FMD005-F036BDXX-XX	ITEM NO. FMD005	TXGA Building Technology Cornerstone
DESIGN UNITS METRIC(mm)	X. ±0.30	X.° ±5°	CHECKED BY GISELLE	DATE 08/MAY/25	TITLE Micro-D Connector Pitch 1.27mm Female(DIP)	REV 0	SHEET NO. 1/1
SCALE NTS / SIZE A4	X.X ±0.20	X.X° ±2°	DRAWN BY HUANG	DATE 08/MAY/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°					
	X.XXX ±0.10	X.XXX° ±0.5°					