

Recommended P.C.Board Layout

General tolerances: ± 0.05

SPECIFICATIONS

Electrical

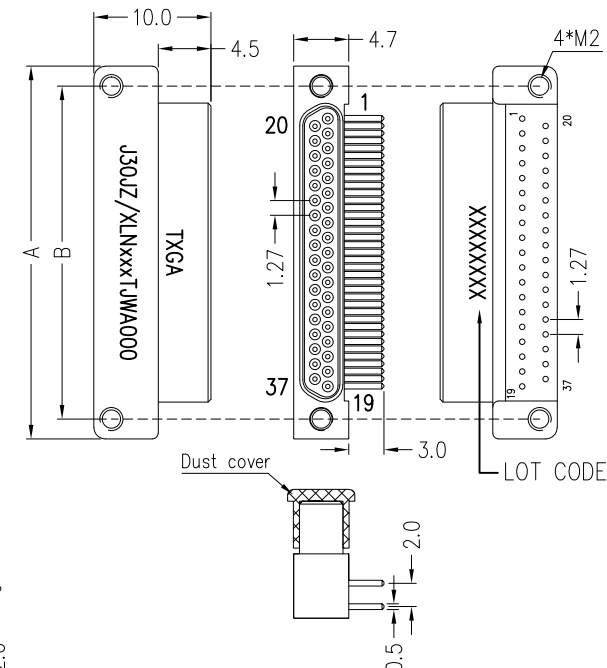
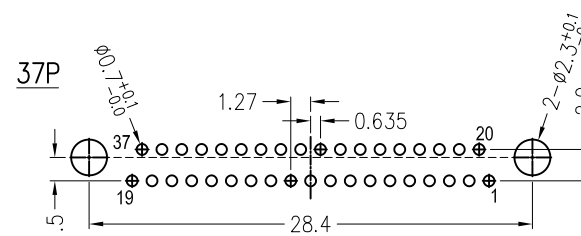
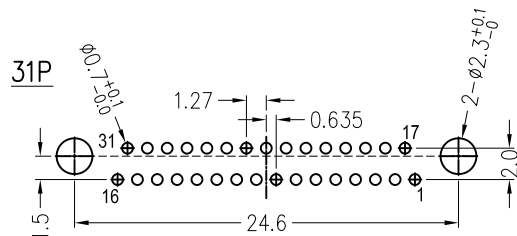
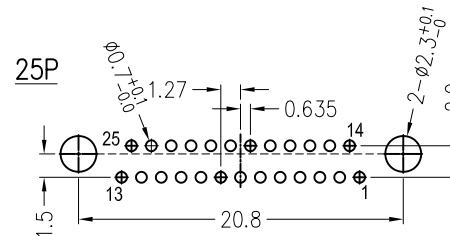
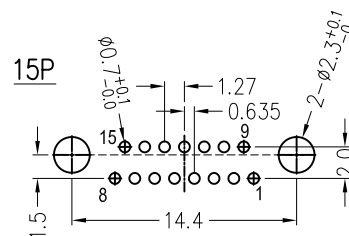
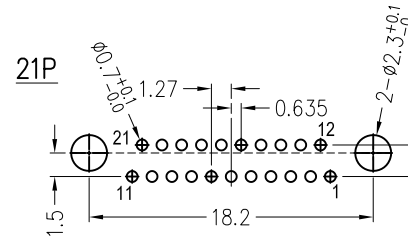
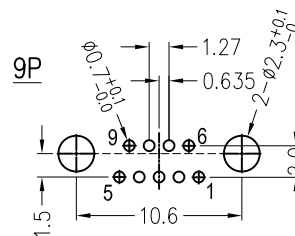
Current Rating: 3.0A AC(rms)/DC
Voltage Rating: 500V AC(rms)/DC
Contact Resistance: 10 m Ω Max
Insulation Resistance: 5000 M Ω MIN
Withstanding Voltage: 600V AC r.m.s
Temperature Range—Operating: $-55^{\circ}\text{C}\sim+125^{\circ}\text{C}$

Mechanical

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

Material and Plating

Housing: High-temperature plastic Natural(UL94V-0)
Conductor: Copper Alloy/Gold Plated
Shell: Aluminium alloy/Nickel Plated



Ordering Information

FMD0 17 — M 037 B D XX — X 0
1 2 3 4 5 6 7 8

Circuits (n)	Part No.	Dimensions(mm)	
		A	B
9	FMD017-M009BDNA-00	14.0	10.6
15	FMD017-M015BDNA-00	17.8	14.4
21	FMD017-M021BDNA-00	21.6	18.2
25	FMD017-M025BDNA-00	24.2	20.8
31	FMD017-M031BDNA-00	28.0	24.6
37	FMD017-M037BDNA-00	31.8	28.4

1	Category FMD0—Micro-D Connector	2	Distinction No. 17	3	Gender M—Male	4	Circuits 37	5	Entry Angle B—90° Angle	6	Assembly Layout D—DIP	7	Color—Resin NA—Natural	8	Type 0—Standard
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 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 17/OCT/24	PART NO. FMD017-MXXXBDXX-XX	ITEM NO. FMD017	 Building Technology Cornerstone	
				CHECKED BY GISELLE	DATE 17/OCT/24	TITLE Micro-D Connector Pitch 1.27mm Male(DIP)			
DESIGN UNITS METRIC(mm)		X. ±0.30	X.* ±5°	DRAWN BY HUANG	DATE 17/OCT/24			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		X.X ±0.20	X.* ±2°						
SCALE NTS	SIZE A4	X.XX ±0.15	X.XX* ±1°						
		X.XXX ±0.10	X.XXX* ±0.5°						
						REV 0		SHEET NO. 1/4	

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

SPECIFICATIONS

Electrical

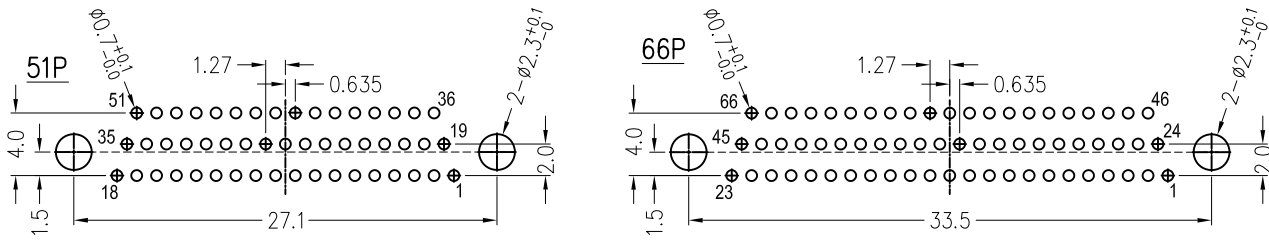
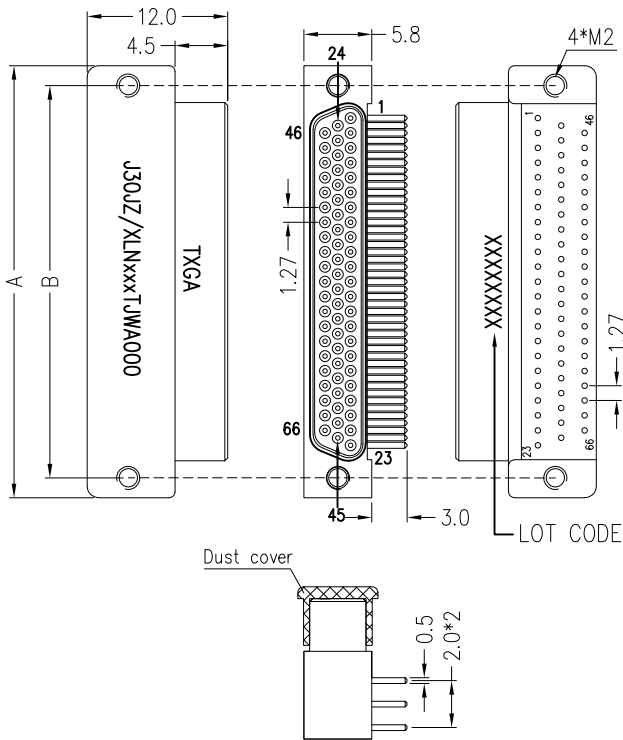
- Current Rating: 3.0A AC(rms)/DC
- Voltage Rating: 500V AC(rms)/DC
- Contact Resistance: 10 mΩ Max
- Insulation Resistance: 5000 MΩ MIN
- Withstanding Voltage: 600V AC r.m.s
- Temperature Range—Operating: -55°C~+125°C

Mechanical

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

Material and Plating

- Housing: High-temperature plastic Natural(UL94V-0)
- Conductor: Copper Alloy/Gold Plated
- Shell: Aluminium alloy/Nickel Plated



Recommended P.C.Board Layout
General tolerances: ±0.05

Ordering Information

FMD0 17 — M 066 B D XX — X 0
1 2 3 4 5 6 7 8

1	Category	2	Distinction No.	3	Gender	4	Circuits	5	Entry Angle	6	Assembly Layout	7	Color-Resin	8	Type
	FMD0-Micro-D Connector		17		M-Male		66		B-90° Angle		D-DIP		NA-Natural		0-Standard

Circuits (n)	Part No.	Dimensions(mm)	
		A	B
51	FMD017-M051BDNA-00	30.5	27.1
66	FMD017-M066BDNA-00	36.9	33.5

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	TXGA Building Technology Cornerstone
	X. ±0.30	X.* ±5°	CHECKED BY	DATE	FMD017-MXXXBDXX-XX	FMD017	
	X.X ±0.20	X.X* ±2°	GISELLE	17/OCT/24	TITLE Micro-D Connector Pitch 1.27mm Male(DIP)		
	X.XX ±0.15	X.XX* ±1°	DRAWN BY	DATE	REV 0 SHEET NO. 2/4		
SCALE NTS	SIZE A4	X.XXX ±0.10	X.XXX* ±0.5°	HUANG	17/OCT/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

SPECIFICATIONS

Electrical

Current Rating: 3.0A AC(rms)/DC

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Contact Resistance: 10 mΩ Max

Insulation Resistance: 5000 MΩ MIN

Withstanding Voltage: 600V AC r.m.s

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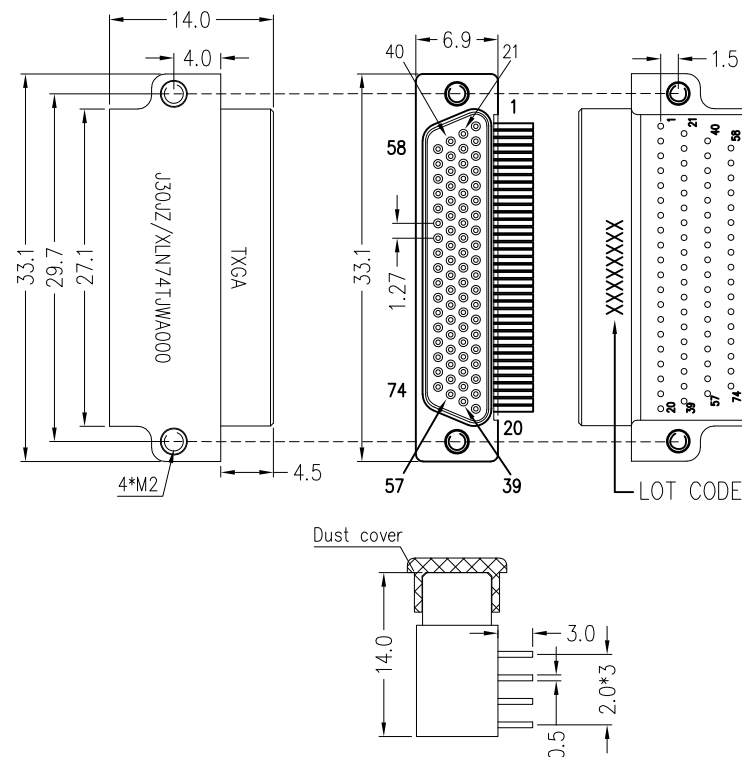
Shock: Peak Acceleration 735m/s² 11ms.

Material and Plating

Housing: High-temperature plastic Natural(UL94V-0)

Conductor: Copper Alloy/Gold Plated

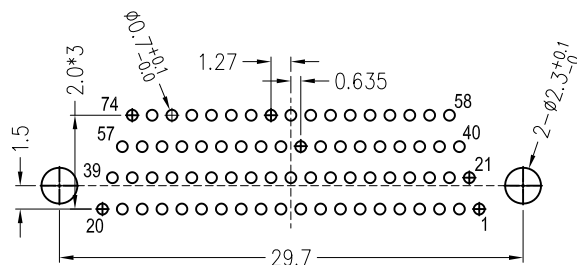
Shell: Aluminium alloy/Nickel Plated



Ordering Information

FMD0 17 — M 074 B D XX — X 0
1 2 3 4 5 6 7 8

1	Category FMD0-Micro-D Connector	2	Distinction No. 17	3	Gender M-Male	4	Circuits 74	5	Entry Angle B-90° Angle	6	Assembly Layout D-DIP	7	Color-Resin NA-Natural	8	Type 0-Standard
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Recommended P.C.Board Layout

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 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO. FMD017-M074BDNA-00	ITEM NO. FMD017	 Building Technology Cornerstone	
				LEO	17/OCT/24				
DESIGN UNITS METRIC(mm)		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE Micro-D Connector Pitch 1.27mm Male(DIP)		REV 0 SHEET NO. 3/4	
		X.X ±0.20	X.X* ±2°	GISELLE	17/OCT/24				
		X.XX ±0.15	X.XX* ±1°	DRAWN BY	DATE				
SCALE	SIZE	X.XXX ±0.10	X.XXX* ±0.5°	HUANG	17/OCT/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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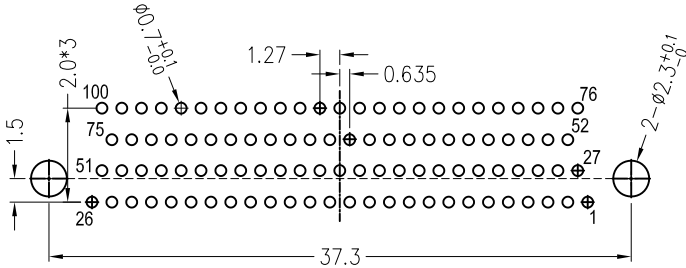
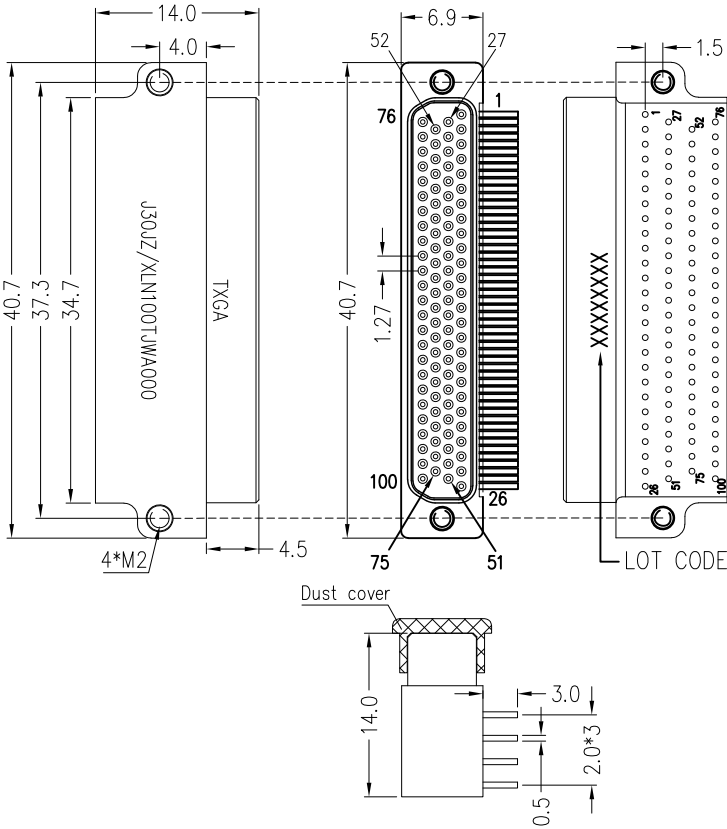
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Ordering Information

FMD0 17 — M 100 B D XX — X 0
1 2 3 4 5 6 7 8

1	Category FMD0–Micro–D Connector	2	Distinction No. 17	3	Gender M–Male	4	Circuits 100	5	Entry Angle B–90° Angle	6	Assembly Layout D–DIP	7	Color–Resin NA–Natural	8	Type 0–Standard
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		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE Micro-D Connector Pitch 1.27mm Male(DIP)			
DESIGN UNITS METRIC(mm)		X.X ±0.20	X.X* ±2°	GISELLE	17/OCT/24			REV 0	
		X.XX ±0.15	X.XX* ±1°	DRAWN BY	DATE				
SCALE NTS	SIZE A4	X.XXX ±0.10	X.XXX* ±0.5°	HUANG	17/OCT/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			