

Recommended P.C.Board Layout

General tolerances: ±0.05

SPECIFICATIONS

Electrical

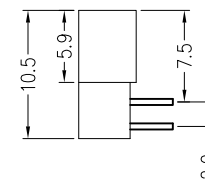
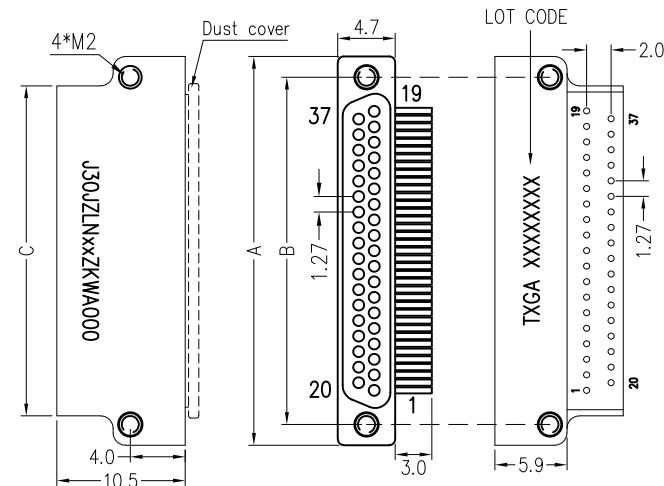
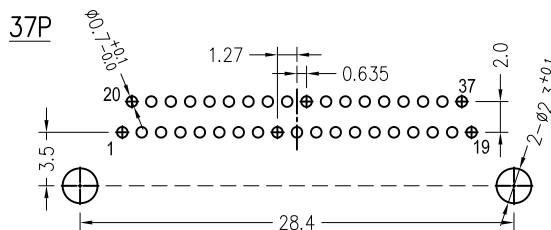
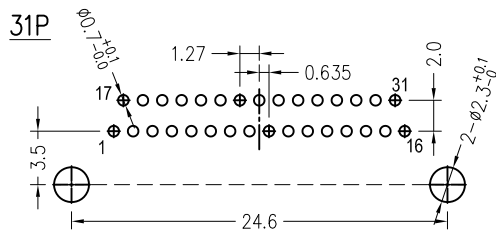
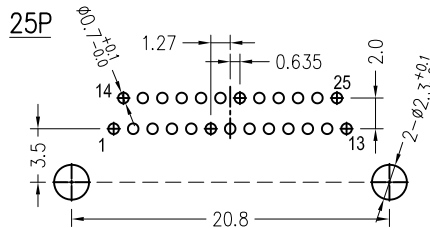
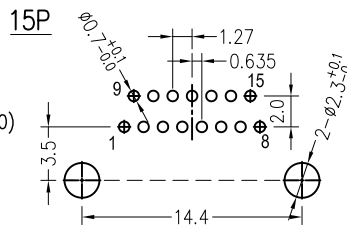
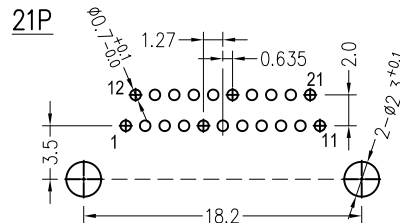
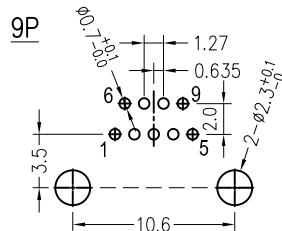
- Current Rating: 3.0A AC(rms)/DC
- Voltage Rating: 500V AC(rms)/DC
- Contact Resistance: 10 mΩ Max
- Insulation Resistance: 5000 MΩ MIN
- Withstanding Voltage: 600V AC r.m.s
- Temperature Range-Operating: -55°C~+125°C

Mechanical

- Durability: 2000 Cycles.
- Vibration: Frequency 10~2000Hz, Acceleration 196m/s<sup>2</sup>.
- Shock: Peak Acceleration 735m/s<sup>2</sup> 11ms.

Material and Plating

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



Ordering Information

FMD0 10 - F 037 B D XX - X 0  
 1 2 3 4 5 6 7 8

Circuits (n)	Part No.	Dimensions(mm)		
		A	B	C
9	FMD010-F009BDNA-00	14.0	10.6	9.2
15	FMD010-F015BDNA-00	17.8	14.4	13.0
21	FMD010-F021BDNA-00	21.6	18.2	16.8
25	FMD010-F025BDNA-00	24.2	20.8	19.4
31	FMD010-F031BDNA-00	28.0	24.6	23.2
37	FMD010-F037BDNA-00	31.8	28.4	27.0

1	Category	2	Distinction No.	3	Gender	4	Circuits	5	Entry Angle	6	Assembly Layout	7	Color-Resin	8	Type
	FMD0-Micro-D Connector		10		F-Female		37		B-90° Angle		D-DIP		NA-Natural		0-Standard

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Building Technology Cornerstone</p>	
	X. ±0.30	X.' ±5'	LEO	17/OCT/24	FMD010-FXXXBDXX-XX	FMD010		
	X.X ±0.20	X.X' ±2'	CHECKED BY	DATE	TITLE			
DESIGN UNITS METRIC(mm)	X.XX ±0.15	X.XX' ±1'	GISELLE	17/OCT/24	Micro-D Connector Pitch 1.27mm Female(DIP)		REV 0	SHEET NO. 1/4
SCALE NTS	SIZE A4	X.XXX ±0.10	X.XXX' ±0.5'	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
				HUANG	17/OCT/24			

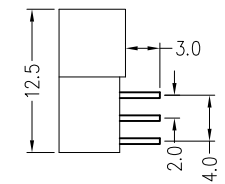
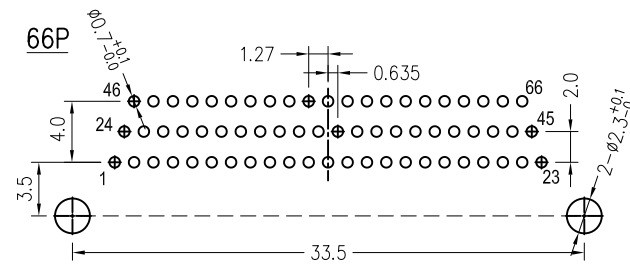
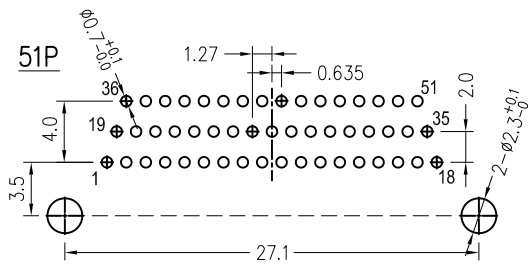
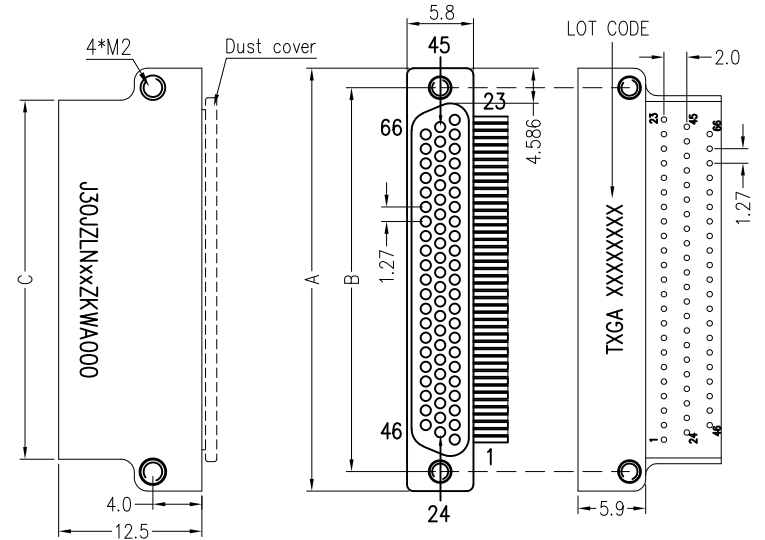
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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/s<sup>2</sup>,  
 Shock: Peak Acceleration 735m/s<sup>2</sup> 11ms.

**Material and Plating**  
 Housing: High-temperature plastic Natural(UL94V-0)  
 Contact Pin: Copper Alloy/Gold Plated  
 Shell: Aluminium alloy/Nickel Plated



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

Ordering Information

FMD0 10 - F 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		10		F-Female		66		B-90° Angle		D-DIP		NA-Natural		0-Standard

Circuits (n)	Part No.	Dimensions(mm)		
		A	B	C
51	FMD010-F051BDNA-00	30.5	27.1	25.7
66	FMD010-F066BDNA-00	36.9	33.5	32.1

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Building Technology Cornerstone</p>
	X.X ±0.30	X.X' ±5'	LEO	17/OCT/24	FMD010-FXXXBDXX-XX	FMD010	
	X.XX ±0.20	X.XX' ±2'	CHECKED BY	DATE	TITLE		
	X.XX ±0.15	X.XX' ±1'	GISELLE	17/OCT/24	Micro-D Connector Pitch 1.27mm Female(DIP)		
SCALE	SIZE	X.XXX ±0.10	X.XXX' ±0.5'	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
NTS	A4			HUANG	17/OCT/24		REV 0 SHEET NO. 2/4

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

**SPECIFICATIONS**

**Electrical**

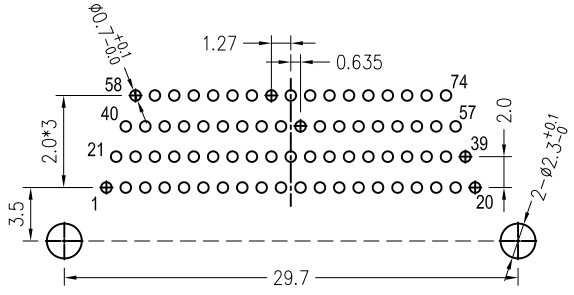
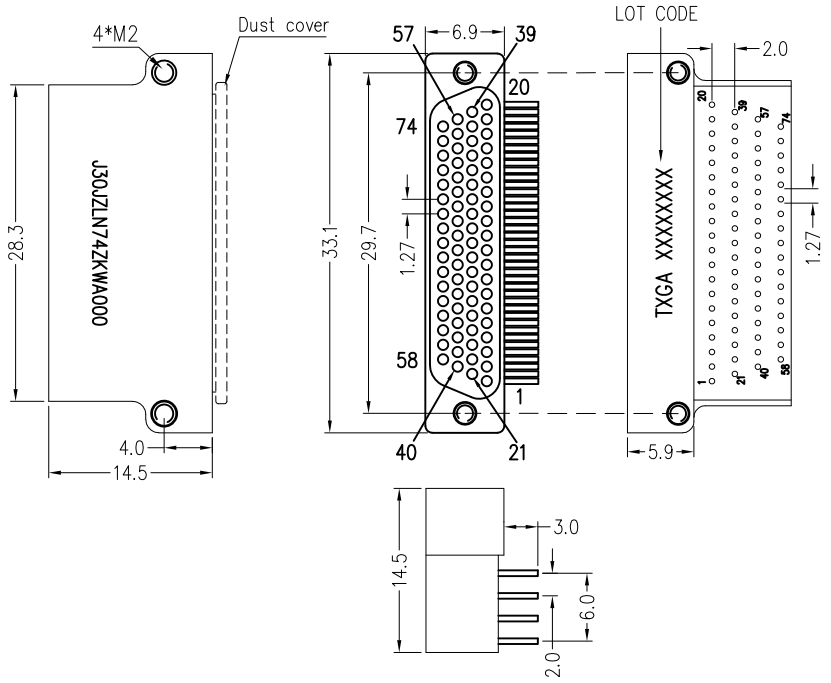
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Housing: High-temperature plastic Natural(UL94V-0)  
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FMD0 10 - F 074 B D XX - X 0  
1 2 3 4 5 6 7 8

1	Category	2	Distinction No.	3	Gender	4	Circuits	5	Entry Angle	6	Assembly Layout	7	Color-Resin	8	Type
	FMD0-Micro-D Connector		10		F-Female		74		B-90° Angle		D-DIP		NA-Natural		0-Standard

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone	
	X. ±0.30	X.' ±5'	LEO	17/OCT/24	FMD010-F074BDNA-00	FMD010		
	X.X ±0.20	X.X' ±2'	CHECKED BY	DATE	TITLE			
DESIGN UNITS METRIC(mm)	X.XX ±0.15	X.XX' ±1'	GISELLE	17/OCT/24	Micro-D Connector Pitch 1.27mm Female(DIP)		REV 0	SHEET NO. 3/4
SCALE NTS	SIZE A4	X.XXX ±0.10	X.XXX' ±0.5'	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
				HUANG	17/OCT/24			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

**SPECIFICATIONS**

**Electrical**

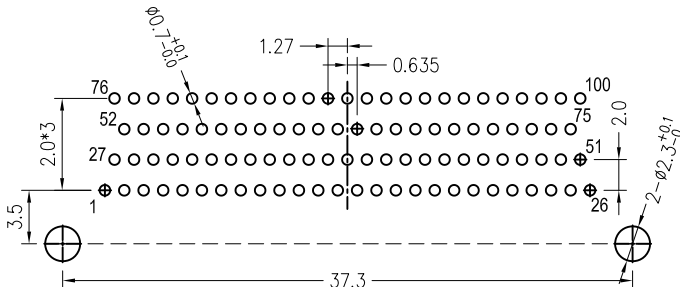
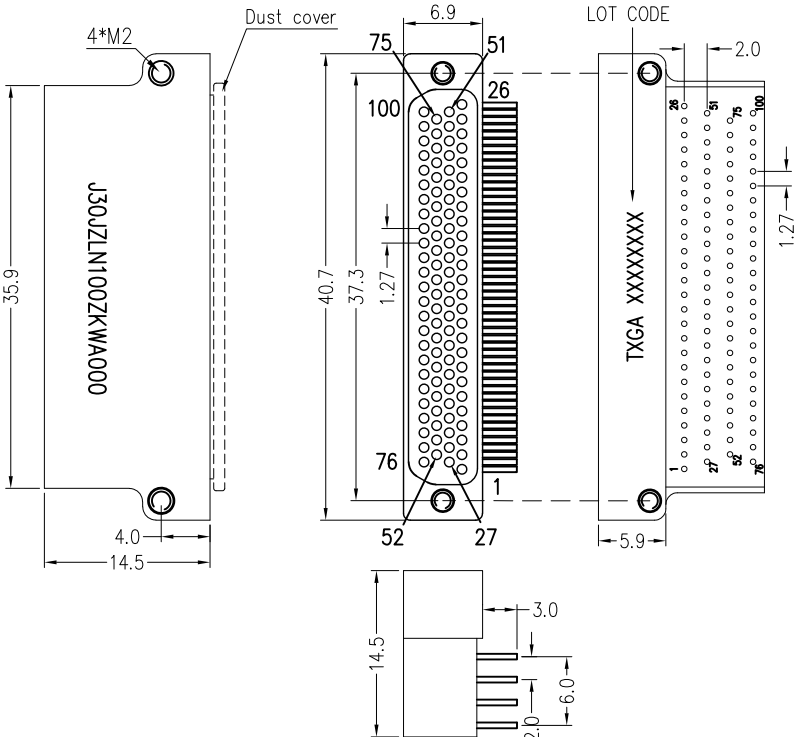
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FMD0 10 - F 100 B D XX - X 0  
1 2 3 4 5 6 7 8

1	Category	2	Distinction No.	3	Gender	4	Circuits	5	Entry Angle	6	Assembly Layout	7	Color-Resin	8	Type
	FMD0-Micro-D Connector		10		F-Female		100		B-90° Angle		D-DIP		NA-Natural		0-Standard

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone	
	X. ±0.30	X.' ±5'	LEO	17/OCT/24	FMD010-F100BDNA-00	FMD010		
DESIGN UNITS METRIC(mm)	X.X ±0.20	X.X' ±2'	CHECKED BY	DATE	TITLE		REV 0	SHEET NO. 4/4
SCALE NTS	X.XX ±0.15	X.XX' ±1'	GISELLE	17/OCT/24	Micro-D Connector Pitch 1.27mm Female(DIP)		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
SIZE A4	X.XXX ±0.10	X.XXX' ±0.5'	DRAWN BY	DATE				
			HUANG	17/OCT/24				