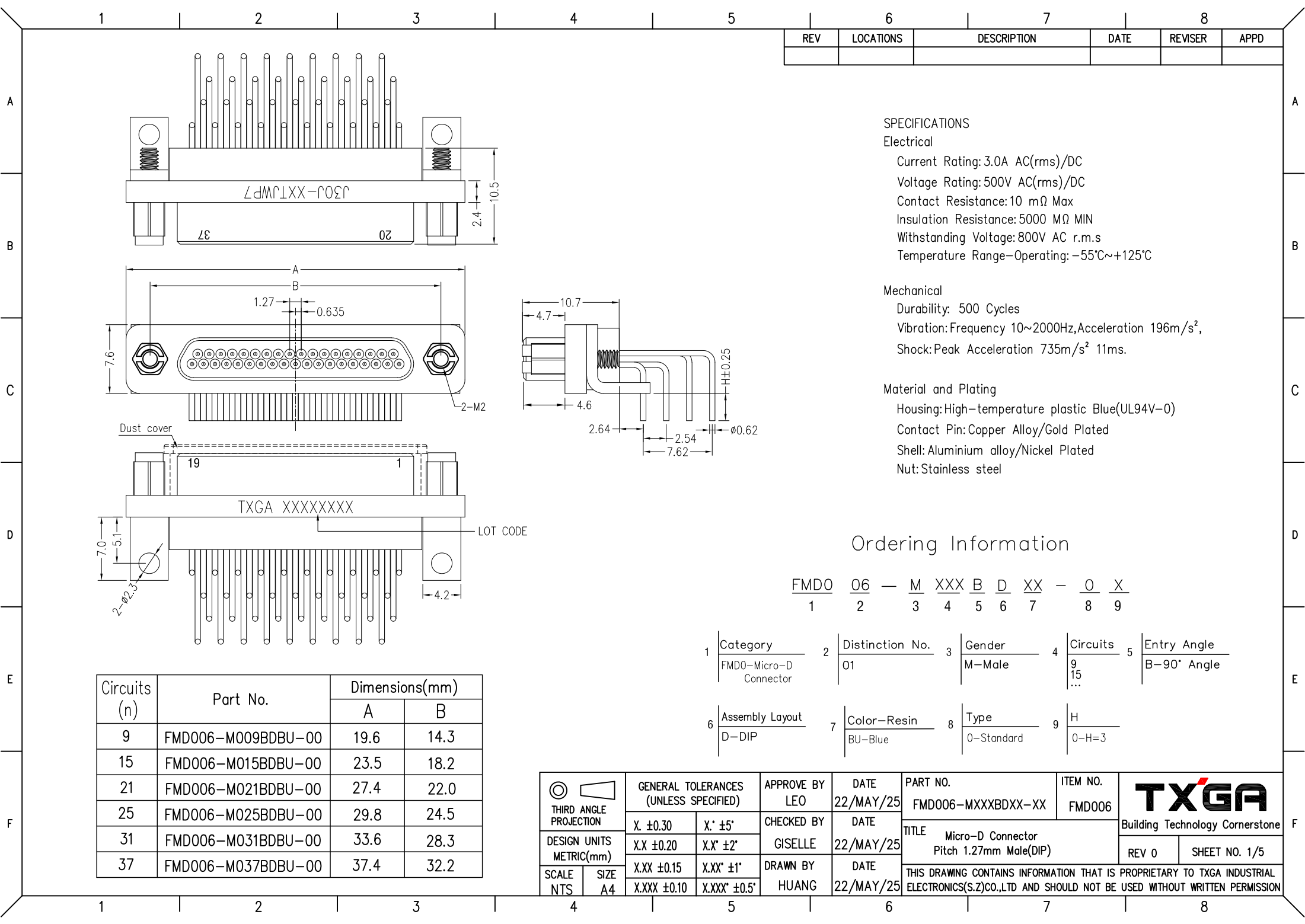




REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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: 800V AC r.m.s
Temperature Range-Operating: -55°C~+125°C

Mechanical

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

Material and Plating

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

Ordering Information

FMD0	06	—	M	XXX	B	D	XX	—	0	X
1	2	3	4	5	6	7	8	9		

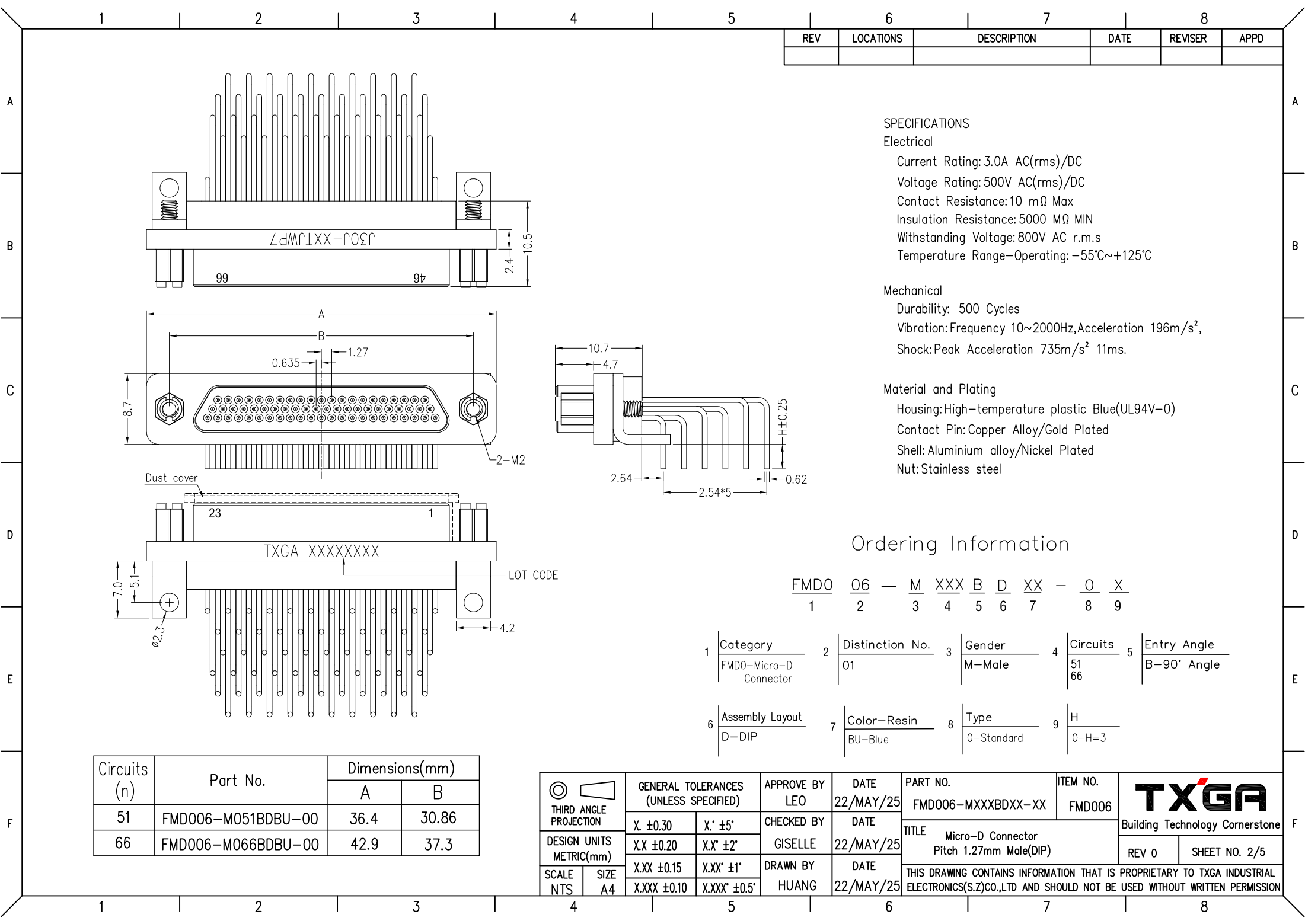
1	Category	2	Distinction No.	3	Gender	4	Circuits	5	Entry Angle
	FMD0-Micro-D Connector		01		M-Male		9 15 ...		B-90° Angle
6	Assembly Layout	7	Color-Resin	8	Type	9	H		
	D-DIP		BU-Blue		0-Standard		0-H=3		

Circuits (n)	Part No.	Dimensions(mm)	
		A	B
9	FMD006-M009BDBU-00	19.6	14.3
15	FMD006-M015BDBU-00	23.5	18.2
21	FMD006-M021BDBU-00	27.4	22.0
25	FMD006-M025BDBU-00	29.8	24.5
31	FMD006-M031BDBU-00	33.6	28.3
37	FMD006-M037BDBU-00	37.4	32.2

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 22/MAY/25	PART NO. FMD006-MXXXBDXX-XX	ITEM NO. FMD006	 Building Technology Cornerstone	
		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	22/MAY/25			REV 0	SHEET NO. 1/5
		X.XX ±0.15	X.XX' ±1°	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			
SCALE NTS	SIZE A4	X.XXX ±0.10	X.XXX' ±0.5°	HUANG	22/MAY/25				

Building Technology Cornerstone

REV 0 SHEET NO. 1/5



SPECIFICATIONS

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Nut: Stainless steel

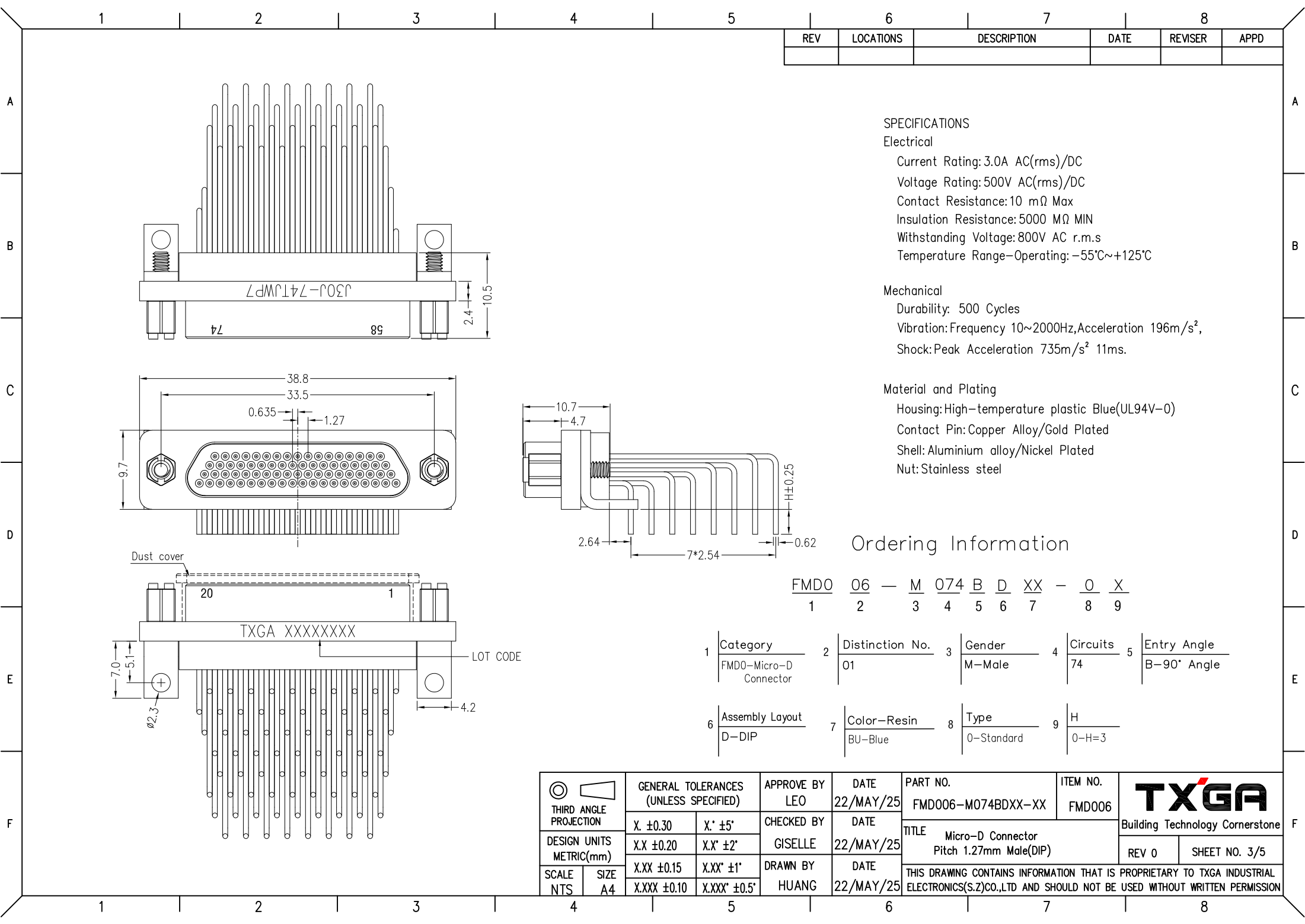
Ordering Information

FMD0	06	—	M	XXX	B	D	XX	—	0	X
1	2		3	4	5	6	7		8	9

1	Category	2	Distinction No.	3	Gender	4	Circuits	5	Entry Angle
	FMD0-Micro-D Connector		01		M-Male		51 66		B-90° Angle
6	Assembly Layout	7	Color-Resin	8	Type	9	H		
	D-DIP		BU-Blue		0-Standard		0-H=3		

Circuits (n)	Part No.	Dimensions(mm)	
		A	B
51	FMD006-M051BDBU-00	36.4	30.86
66	FMD006-M066BDBU-00	42.9	37.3

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 22/MAY/25	PART NO. FMD006-MXXXBDXX-XX	ITEM NO. FMD006	 Building Technology Cornerstone		
DESIGN UNITS METRIC(mm)		X. ±0.30	X.* ±5'	CHECKED BY GISELLE	DATE 22/MAY/25	TITLE Micro-D Connector Pitch 1.27mm Male(DIP)			REV 0	SHEET NO. 2/5
SCALE NTS	SIZE A4	X.XX ±0.15	X.XX* ±1'	DRAWN BY HUANG	DATE 22/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.XXX ±0.10	X.XXX* ±0.5'							



REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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

Material and Plating

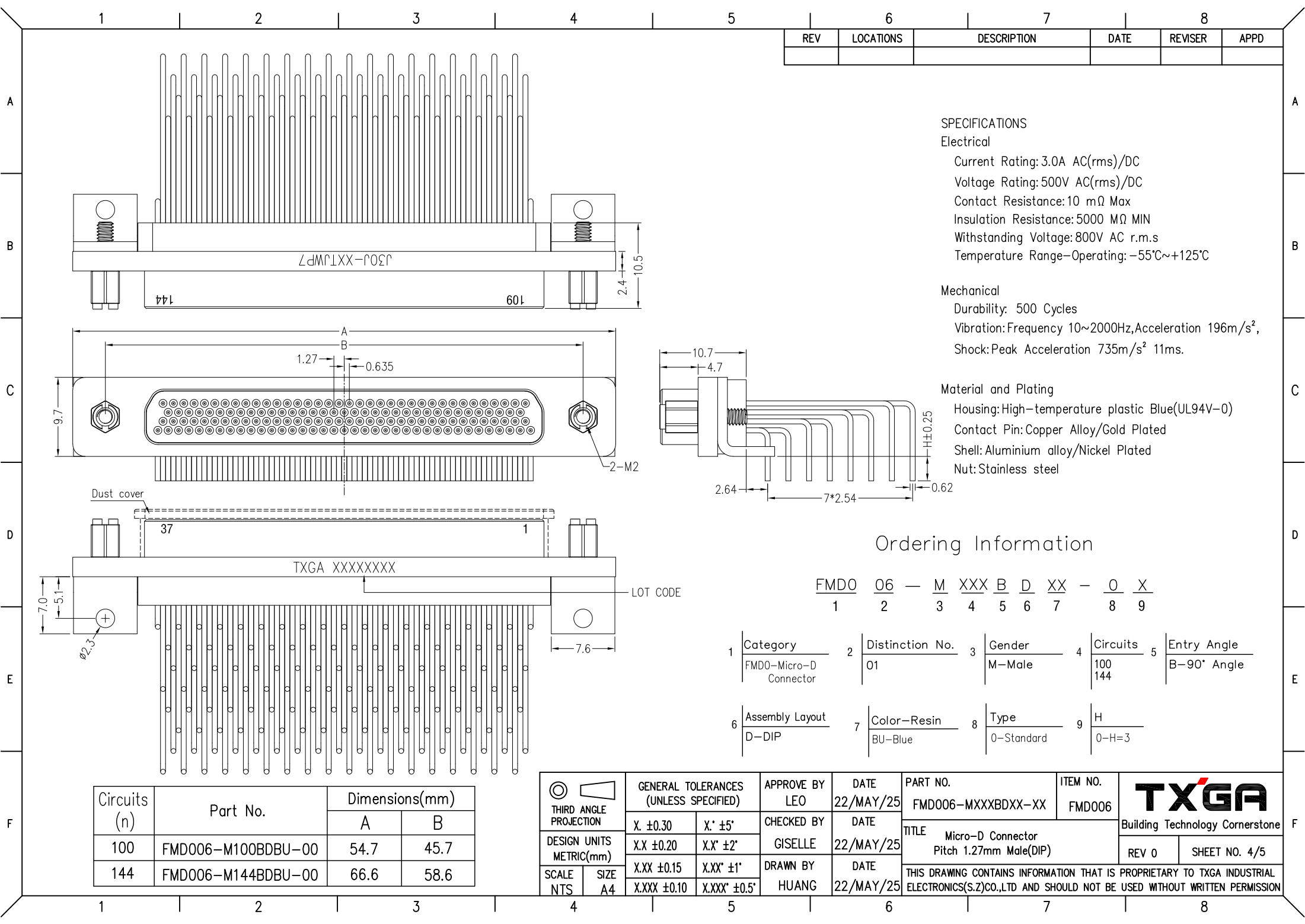
Housing: High-temperature plastic Blue(UL94V-0)
Contact Pin: Copper Alloy/Gold Plated
Shell: Aluminium alloy/Nickel Plated
Nut: Stainless steel

Ordering Information

FMD0	06	—	M	074	B	D	XX	—	0	X
1	2	3	4	5	6	7	8	9		

1	Category FMD0-Micro-D Connector	2	Distinction No. 01	3	Gender M-Male	4	Circuits 74	5	Entry Angle B-90° Angle
6	Assembly Layout D-DIP	7	Color-Resin BU-Blue	8	Type 0-Standard	9	H 0-H=3		

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 22/MAY/25	PART NO. FMD006-M074BDXX-XX	ITEM NO. FMD006	 Building Technology Cornerstone	
		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	22/MAY/25			REV 0	
SCALE NTS	SIZE A4	X.XX ±0.15	X.XX* ±1*	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			
		X.XXX ±0.10	X.XXX* ±0.5*	HUANG	22/MAY/25				



REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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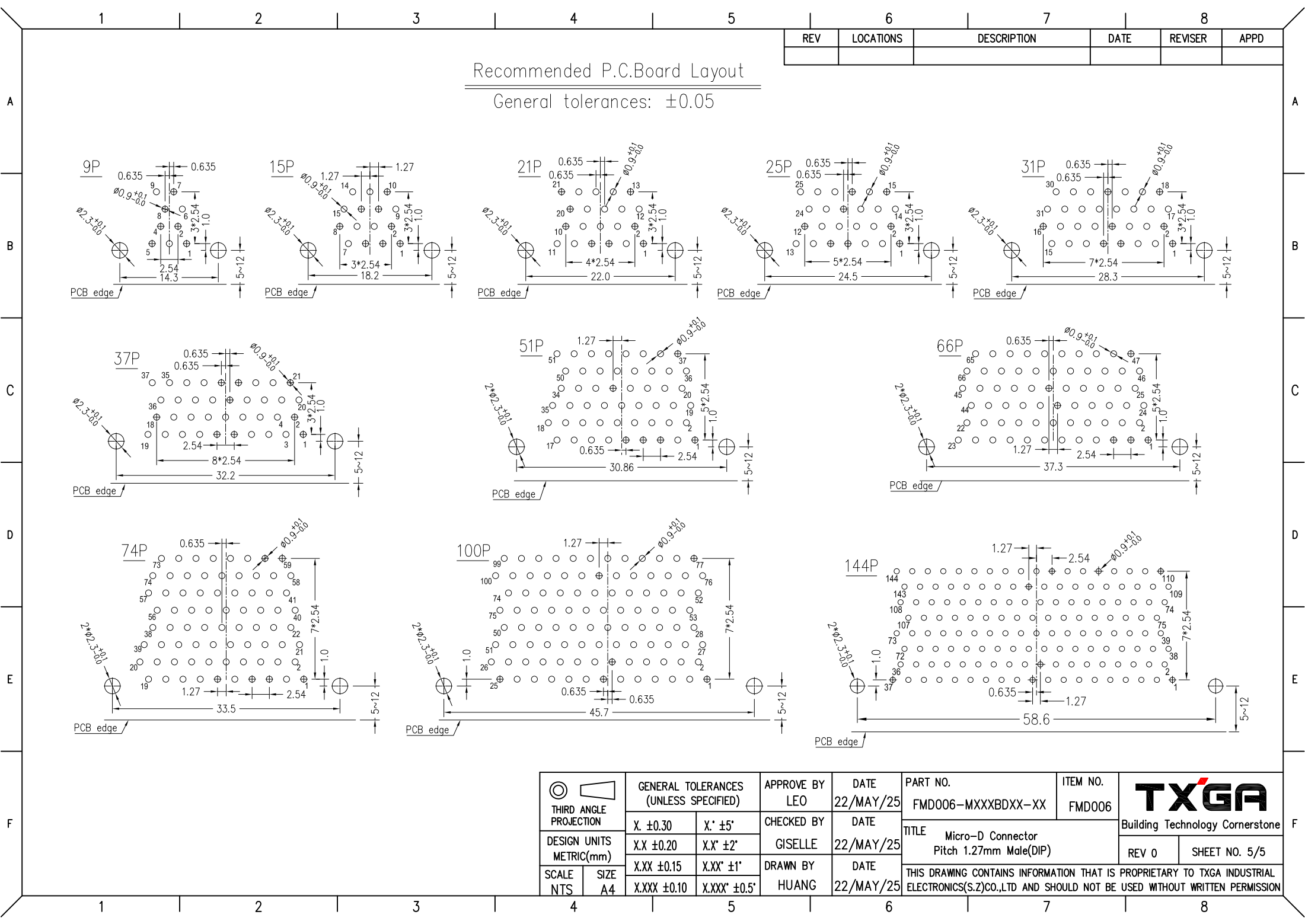
Ordering Information

FMD0	06	—	M	XXX	B	D	XX	—	0	X
1	2		3	4	5	6	7		8	9

1	Category	2	Distinction No.	3	Gender	4	Circuits	5	Entry Angle
	FMD0—Micro—D Connector		01		M—Male		100 144		B—90° Angle
6	Assembly Layout	7	Color—Resin	8	Type	9	H		
	D—DIP		BU—Blue		0—Standard		0—H=3		

Circuits (n)	Part No.	Dimensions(mm)	
		A	B
100	FMD006—M100BDBU—00	54.7	45.7
144	FMD006—M144BDBU—00	66.6	58.6

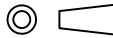
 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 22/MAY/25	PART NO. FMD006-MXXXBDXX-XX	ITEM NO. FMD006	 Building Technology Cornerstone	
		X. ±0.30	X.* ±5*	CHECKED BY	DATE	TITLE Micro-D Connector Pitch 1.27mm Male(DIP)			
DESIGN UNITS METRIC(mm)		X.X ±0.20	X.X* ±2*	GISELLE	22/MAY/25				REV 0
SCALE NTS	SIZE A4	X.XX ±0.15	X.XX* ±1*	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			
		X.XXX ±0.10	X.XXX* ±0.5*	HUANG	22/MAY/25				



Recommended P.C.Board Layout

General tolerances: ± 0.05

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 22/MAY/25	PART NO. FMD006-MXXXBDXX-XX	ITEM NO. FMD006	 Building Technology Cornerstone	
		X. ± 0.30	X.' $\pm 5^{\circ}$	CHECKED BY	DATE	TITLE Micro-D Connector Pitch 1.27mm Male(DIP)			
DESIGN UNITS METRIC(mm)		X.X ± 0.20	X.X' $\pm 2^{\circ}$	GISELLE	22/MAY/25				
SCALE NTS	SIZE A4	X.XX ± 0.15	X.XX' $\pm 1^{\circ}$	DRAWN BY HUANG	DATE 22/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.XXX ± 0.10	X.XXX' $\pm 0.5^{\circ}$						