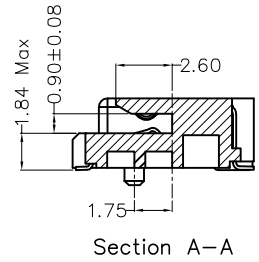
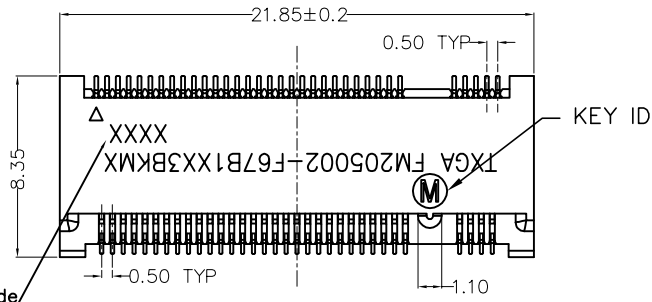


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A



SPECIFICATIONS

Electrical
 Current Rating: 0.5A AC(rms)/DC
 Voltage Rating: 50V AC(rms)/DC
 Contact Resistance: 55mΩ Max
 Insulation Resistance: 500MΩ Min
 Withstanding Voltage: 300V AC r.m.s
 Temperature Range-Operating: -40°C ~ +80°C

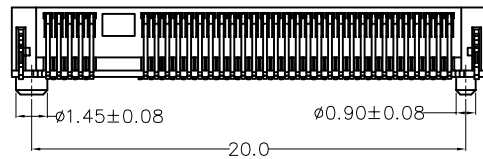
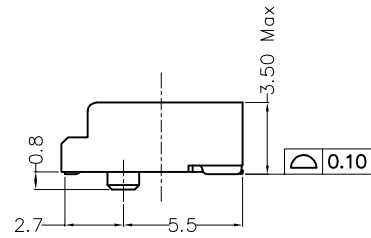
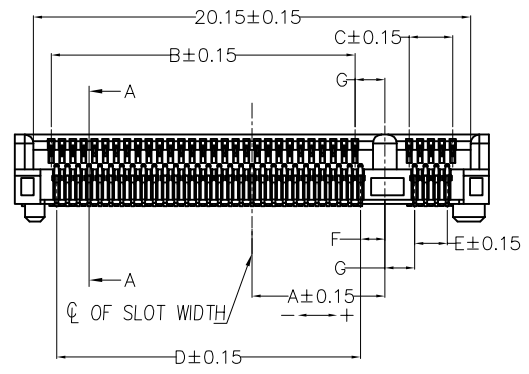
Material

Housing: LCP (UL 94V-0) Black
 Contact: Copper Alloy/ Selected gold plated on contact area, gold flash plated on solder tails
 Pegs: Copper Alloy/ 100u" Min. Matte Tin Plated

*The pin NO. definitions are according to PCB footprint, the actual pin quantity is only 67 POS. For Key taking out 8 POS.

B

DATE Code
 for example: 2423
 24: 2024 Year
 23: the 23th Week



Part No.	Dimensions (mm)						
	A	B	C	D	E	F	G
FM205002-F67B1XX3BKMM	6.125	14.0	2.0	14.0	1.5	1.125	1.375

C

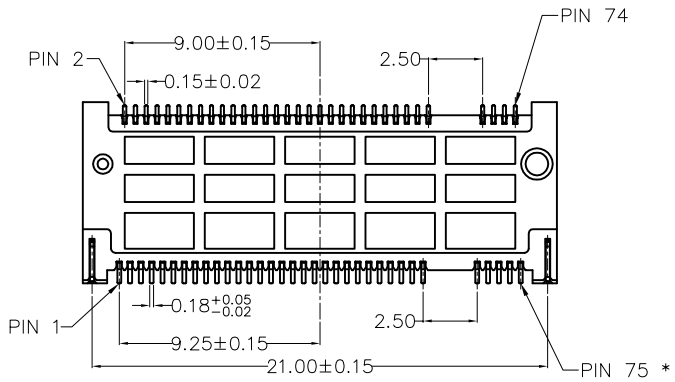
D

Ordering Information

FM2 050 02 - F 67 B 1 XX 3 BK M X
 1 2 3 4 5 6 7 8 9 10 11 12

1 Category FM2-M.2 Connector	2 Series Number 050-Pitch0.50mm	3 Distinction No. 02	4 Type F-Female	5 Circuits 67	6 Entry Angle B-90° Angle	7 Plating 1-Gold Plated
8 thickness of Gold Plating 00-Gold Flash 15-15u" 30-30u"	9 Material-Resin 3-LCP	10 Color-Resin BK-Black	11 Packaging M-Reel	12 Key ID M-M		

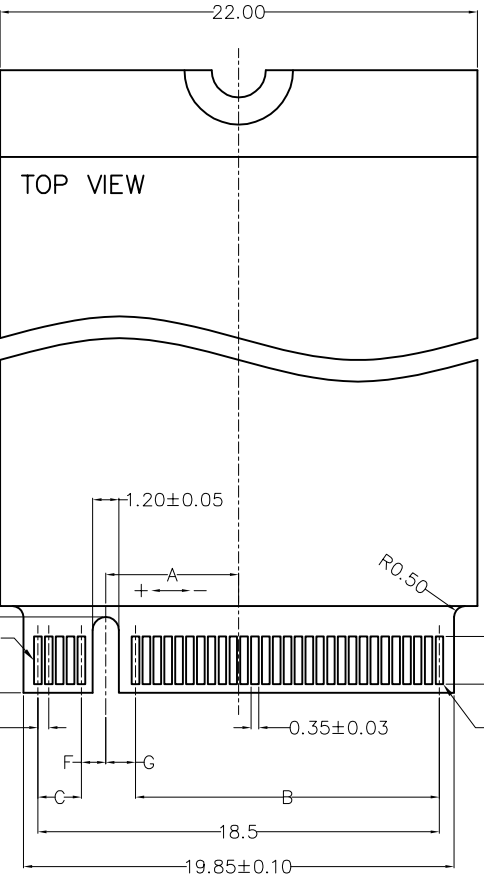
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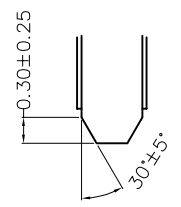
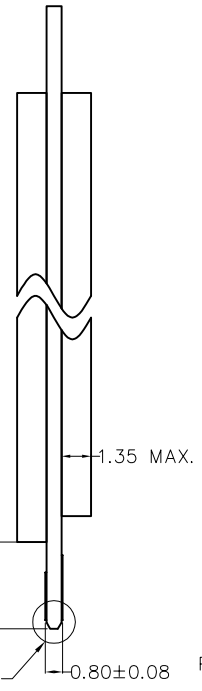
THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 02/AUG/24	PART NO. FM205002-F67B1XX3BKMX	ITEM NO. FM205002	 Building Technology Cornerstone
	DESIGN UNITS METRIC	X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 02/AUG/24	TITLE M.2 Connector (H3.5mm) Pitch 0.5mm 90° Angle(Gen4)	
SCALE 5:1	SIZE A4	X.XX ±0.15	X.XX' ±1°	DRAWN BY MATT	DATE 02/AUG/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.XXX ±0.10	X.XXX' ±0.5°			REV 0	SHEET NO. 1/2

F

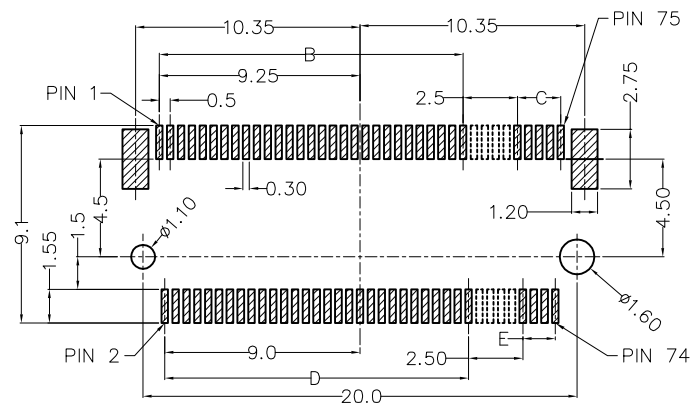
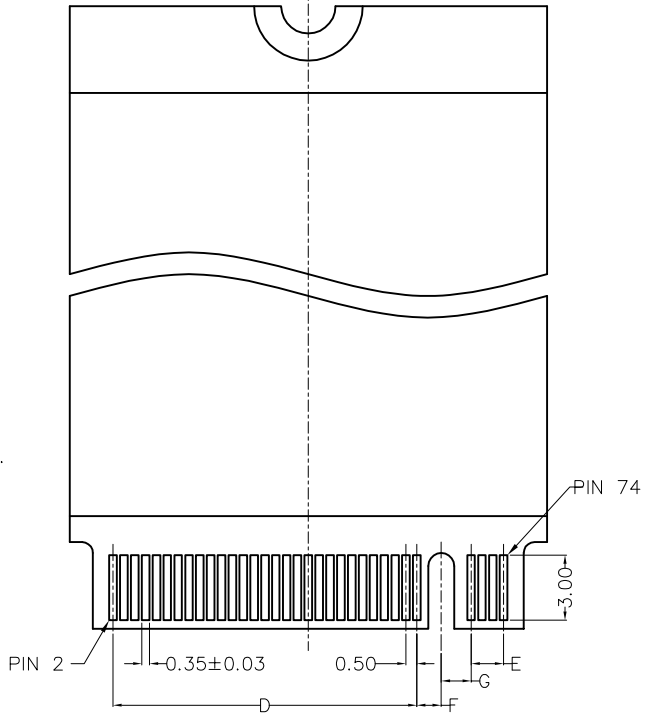
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



Recommended Card Size

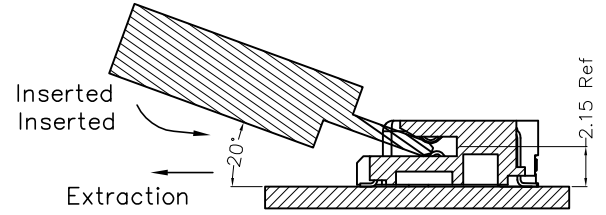


Detail K
Scale: 4:1



Recommended P.C.Board Layout

General tolerances: ±0.05mm



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone
	X. ±0.30	X.* ±5°	LEO	02/AUG/24	FM205002-F67B1XX3BKMx	FM205002	
	X.X ±0.20	X.X* ±2°	CHECKED BY	DATE	TITLE		
	X.XX ±0.15	X.XX* ±1°	GISELLE	02/AUG/24	M.2 Connector (H3.5mm) Pitch 0.5mm 90° Angle(Gen4)		
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	
5:1	A4			MATT	02/AUG/24	REV 0	SHEET NO. 2/2