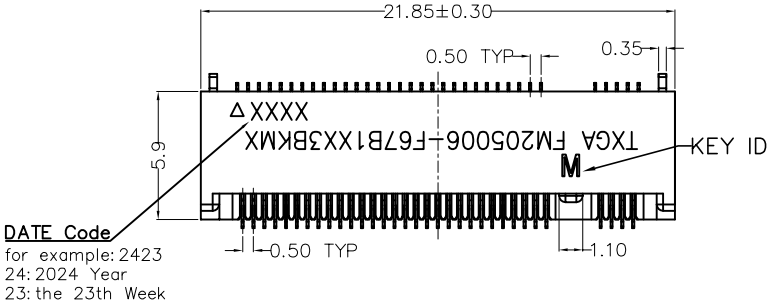
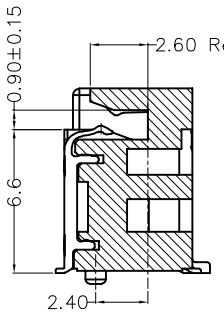
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	⚠	Add Key ID categories	22/OCT/26	HJP	LEO





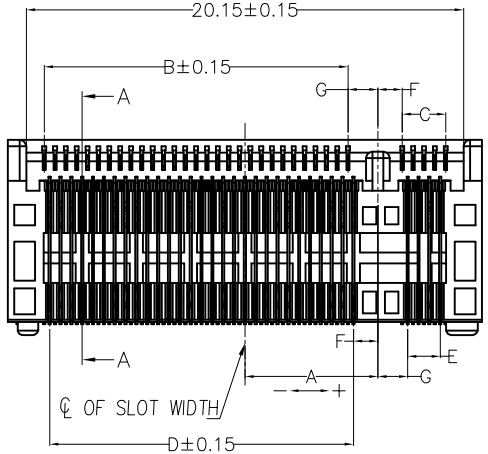
Section A–A

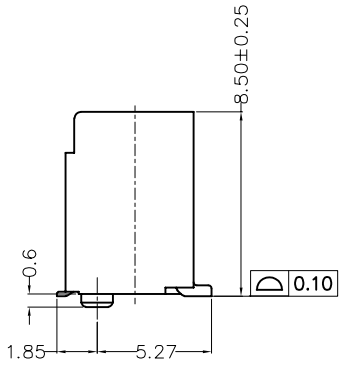
SPECIFICATIONS

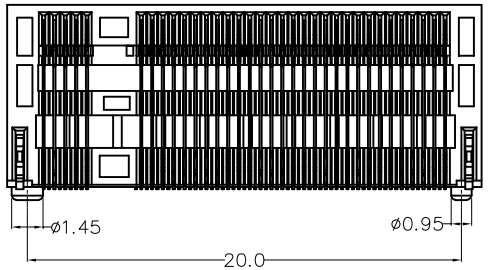
Electrical
- Current Rating: 0.5A AC(rms)/DC
- Voltage Rating: 50V AC(rms)/DC
- Contact Resistance: 55mΩ Max
- Insulation Resistance: 500MΩ Min
- Withstanding Voltage: 300V AC r.m.s
- Temperature Range–Operating: −40°C ~ +80°C

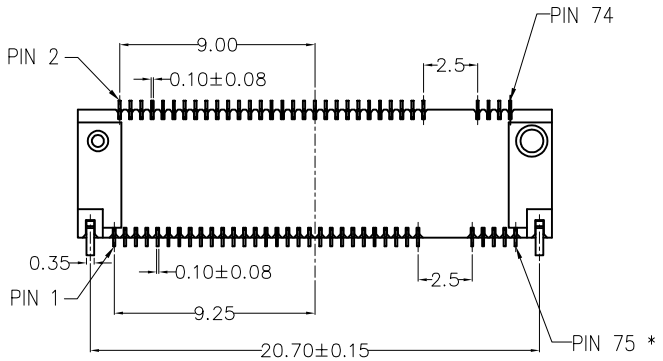
Material
- Housing: LCP (UL 94V–0) Black
- Contact: Copper Alloy/ Selected gold plated on contact area, gold flash plated on solder tails
- Pegs: Copper Alloy/ 100u" Min. Matte Tin Plated

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









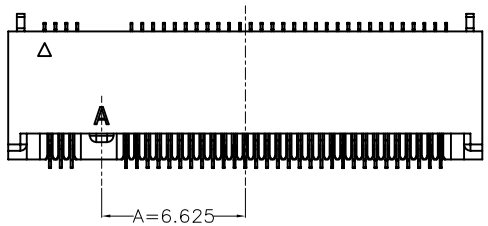
Ordering Information

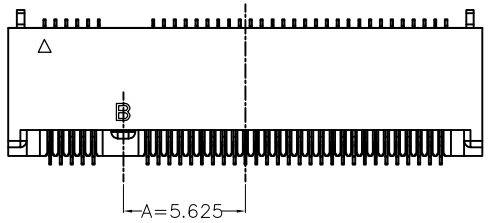
FM2	050	06	—	F	67	B	1	XX	3	BK	M	X
1	2	3		4	5	6	7	8	9	10	11	12

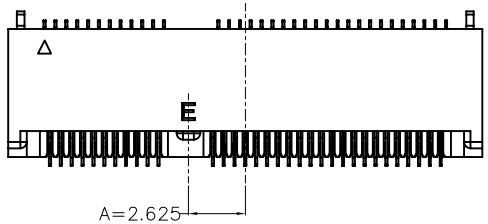
1	Category: FM2–M.2 Connector	2	Series Number: 050–Pitch0.50mm	3	Distinction No.: 06	4	Type: F–Female	5	Circuits: 67	6	Entry Angle: B–90° Angle	7	Plating: 1–Gold Plated
8	thickness of Gold Plating: 00–Gold Flash; 15–15u"; 30–30u"	9	Material–Resin: 3–LCP	10	Color–Resin: BK–Black	11	Packaging: M–Reel	12	Key ID: A–A B–B E–E M–M ⚠			

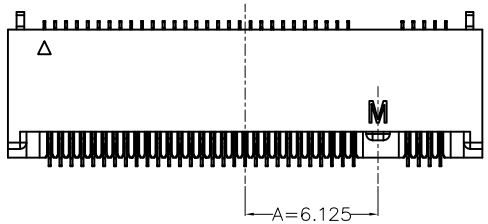
THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	TXGA Building Technology Cornerstone
			LEO	02/AUG/24	FM205006–F67B1XX3BKMX	FM205006	
DESIGN UNITS METRIC	X. ±0.30	X.° ±5°	CHECKED BY	DATE	TITLE M.2 Connector (H8.5mm) Pitch 0.5mm 90° Angle(Gen4)		
	X.X ±0.20	X.X° ±2°	GISELLE	02/AUG/24		REV 1	SHEET NO. 1/3
SCALE 5:1	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		
SIZE A4	X.XXX ±0.10	X.XXX° ±0.5°	MATT	02/AUG/24			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

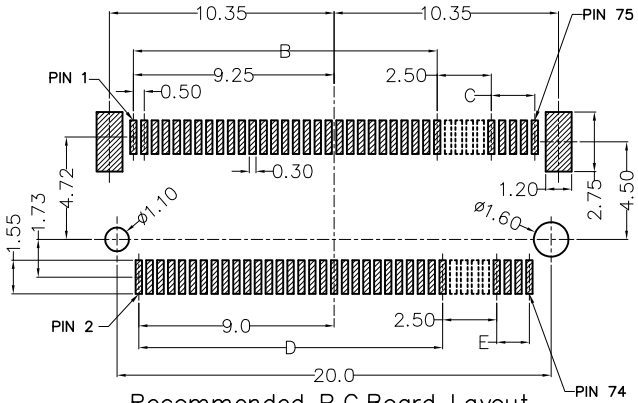








Part No.	Dimensions (mm)						
	A	B	C	D	E	F	G
FM205006-F67B1XX3BKMA	-6.625	1.5	14.5	1.0	14.5	1.375	1.125
FM205006-F67B1XX3BKMB	-5.625	2.5	13.5	2.0	13.5	1.375	1.125
FM205006-F67B1XX3BKME	-2.625	5.5	10.5	5.0	10.5	1.375	1.125
FM205006-F67B1XX3BKMM	6.125	14.0	2.0	14.0	1.5	1.125	1.375



Recommended P.C.Board Layout

General tolerances: ±0.05mm

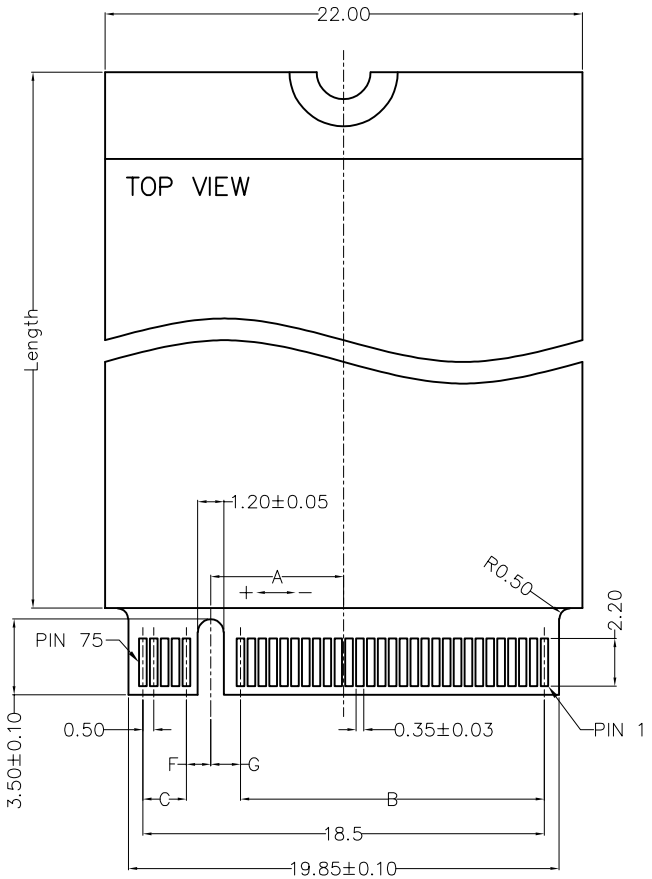
THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 02/AUG/24	PART NO. FM205006-F67B1XX3BKMX / ITEM NO. FM205006
DESIGN UNITS METRIC	X. ±0.30	X.° ±5°	CHECKED BY GISELLE	DATE 02/AUG/24	TITLE M.2 Connector (H8.5mm) Pitch 0.5mm 90° Angle(Gen4)
	X.X ±0.20	X.X° ±2°			
	X.XX ±0.15	X.XX° ±1°	DRAWN BY MATT	DATE 02/AUG/24	
SCALE 5:1 / SIZE A4	X.XXX ±0.10	X.XXX° ±0.5°			

TXGA Building Technology Cornerstone

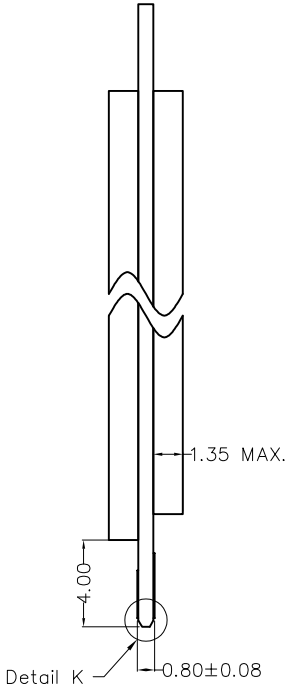
REV 1 | SHEET NO. 2/3

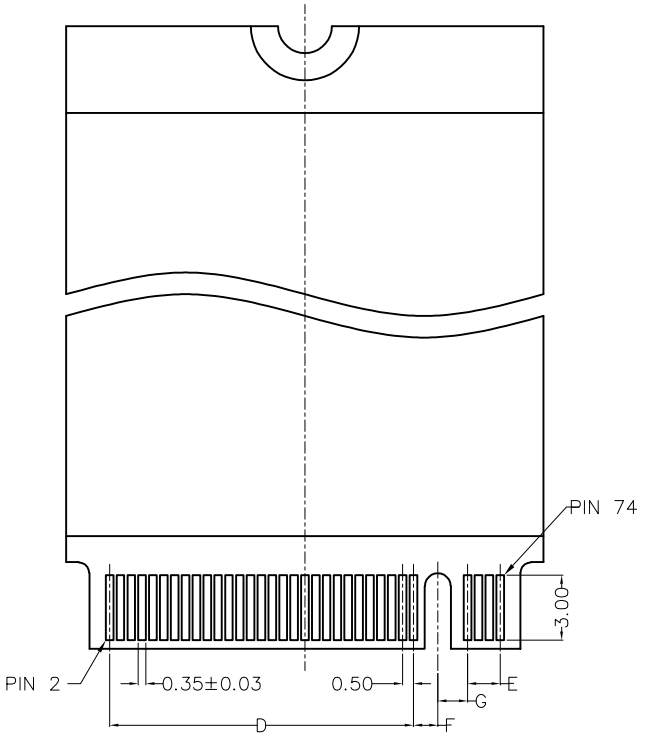
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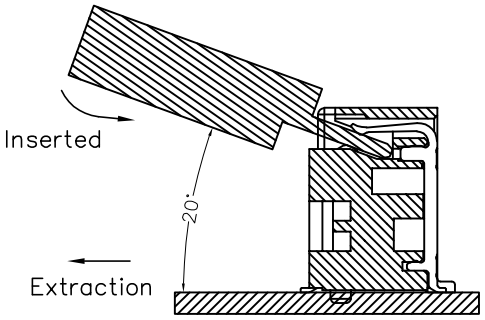
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

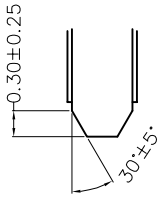


Recommended Card Size









Detail K
Scale: 4:1

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 02/AUG/24	PART NO. FM205006-F67B1XX3BKMX / ITEM NO. FM205006
DESIGN UNITS METRIC	X. ±0.30	X.° ±5°	CHECKED BY GISELLE	DATE 02/AUG/24	TITLE M.2 Connector (H8.5mm) Pitch 0.5mm 90° Angle(Gen4)
	X.X ±0.20	X.X° ±2°			
	X.XX ±0.15	X.XX° ±1°	DRAWN BY MATT	DATE 02/AUG/24	
SCALE 5:1 / SIZE A4	X.XXX ±0.10	X.XXX° ±0.5°			

TXGA Building Technology Cornerstone

REV 1 | SHEET NO. 3/3

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