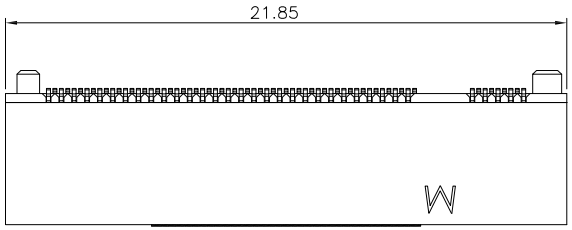
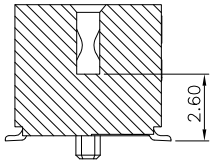
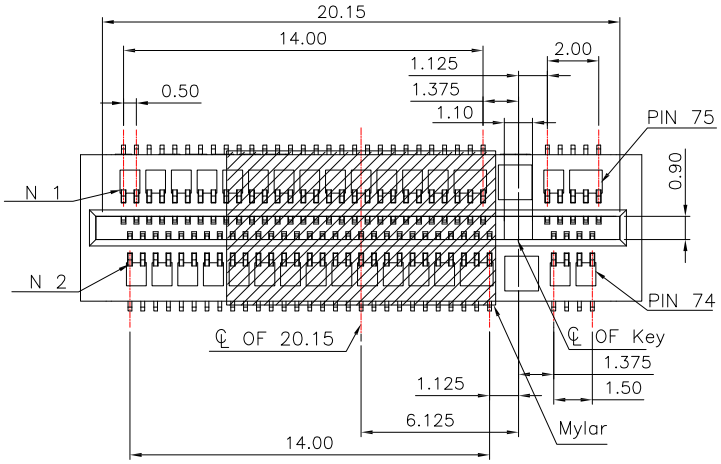
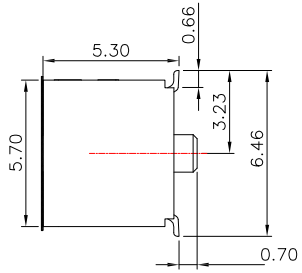
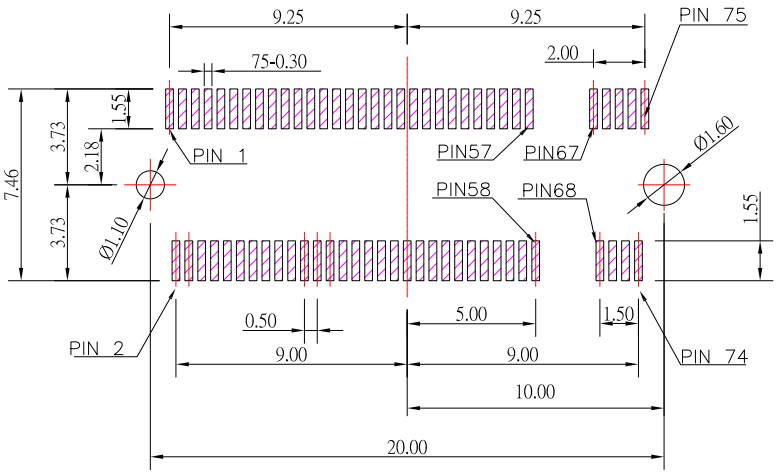
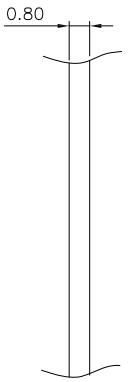






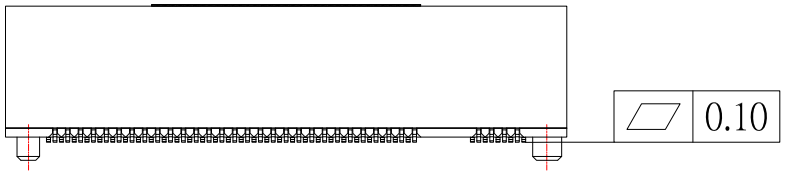


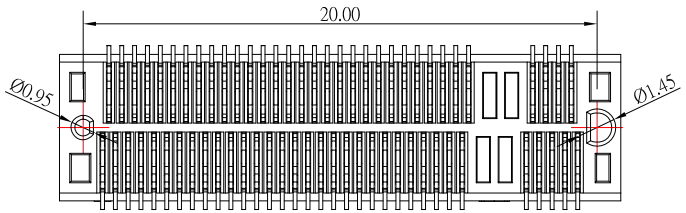




RECOMMENDED PCB LAYOUT(TOP VIEW)

DEFAULT TOLERANCE ±0.05MM





NOTE:

1. MATERIAL SPECIFICATION:
   - 1-1. HOUSING: LCP , COLOR: BLACK
   - 1-2. CONTACT: PHOSPHOR BRONZE
   - 1-3. SMT TAB: BRASS
2. Finish:
   - 2-1. CONTACT: PLATED GOLD IN MATING AREA ;
     GOLD PLATED ON SOLDER BALLS
     NICKEL UNDER PLATED OVERALL
   - 2-2. SMT TAB: NICKEL UNDER PLATED SURFACE LAYER
3. ELECTRICAL CHARACTERISTICS:
   - 3-1. CONTACT CURRENT RATING: 0.5 A. MAX PER PIN;
   - 3-2. VOLTAGE RATING: 50V AC;
   - 3-3. INSULATION RESISTANCE:500 MΩ MIN, AT 500V DC;
   - 3-4. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC RMS AT 60Hz,FOR 1 MINUTE
   - 3-5. CONTACT RESISTANCE: 55 mΩ MAX. PER PIN
4. MECHANICAL CHARACTERISTICS:
   - 4-1. DURABILITY: 60 CYCLES;
5. OPERATION TEMPERATURE: -40°C TO +80°C.

ITEM NO.	DESCRIPTION	DRAWN	DATE
1	更新樣式	Jack	042726

CONTACT 建倚科技股份有限公司
CONTACT TECHNOLOGY CORP.

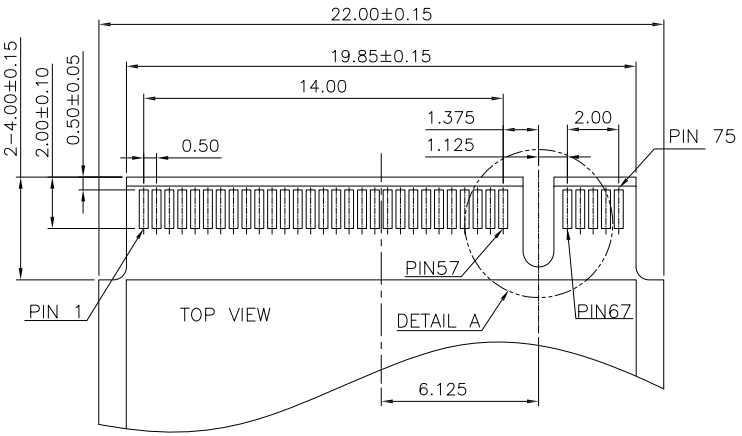
TOLERANCE UNLESS OTHERWISE STATED : Up to 5 ±0.2, Above 5 ~ 15 ±0.3, Above 15 ~ 30 ±0.4, Above 30 ~ 50 ±0.5

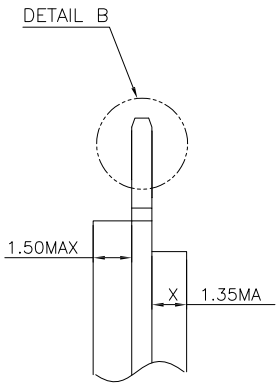
3RD. ANGEL'S | UNITS MM

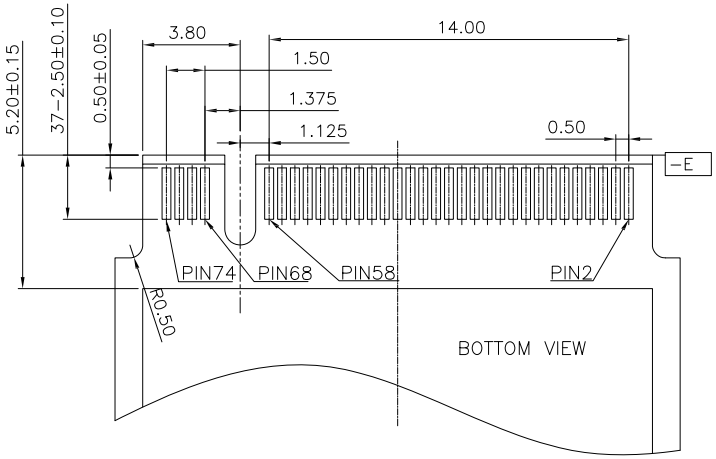
DRAWN BY: Jack Lu	DATE 04/27/26	MAT'L	
CHECKED BY: Jacky Chen	DATE 04/27/26	FINISH	
APPROVED BY: Tony Kao	DATE 04/27/26	SCALE	1 : 1
		SHEET NO.	1 of 2

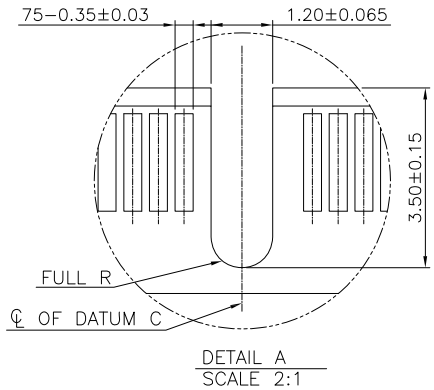
TITLE	CONNECTOR		
MODLE	NGFF M.2 KEY M H:5.3mm 67P		
DWG NO.	NGF-53SM-S242	SIZE	A4
PART NO.	NGF-53SM-S242	VER	R1

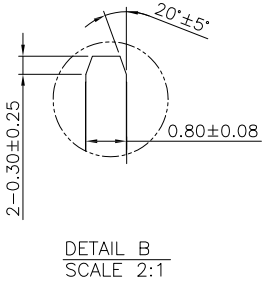
RoHS Compliant

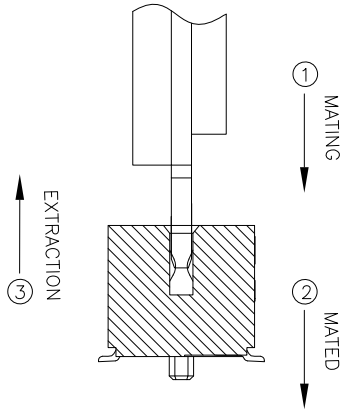












HOW TO MATE AND EXTRACT

MATE: ① → ②

EXTRACT: ③

ITEM NO.	DESCRIPTION	DRAWN	DATE
1	更新樣式	Jack	042726

CONTACT 建倚科技股份有限公司
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3RD. ANGEL'S

UNITS MM

		DATE
DRAWN BY:	Jack Lu	04/27/26
CHECKED BY:	Jacky Chen	04/27/26
APPROVED BY:	Tony Kao	04/27/26

MAT'L		TITLE	CONNECTOR
FINISH		MODLE	NGFF M.2 KEY M H:5.3mm 67P
SCALE	1 : 1	DWG NO.	NGF-53SM-S242 SIZE A4
SHEET NO.	2 of 2	PART NO.	NGF-53SM-S242 VER R1