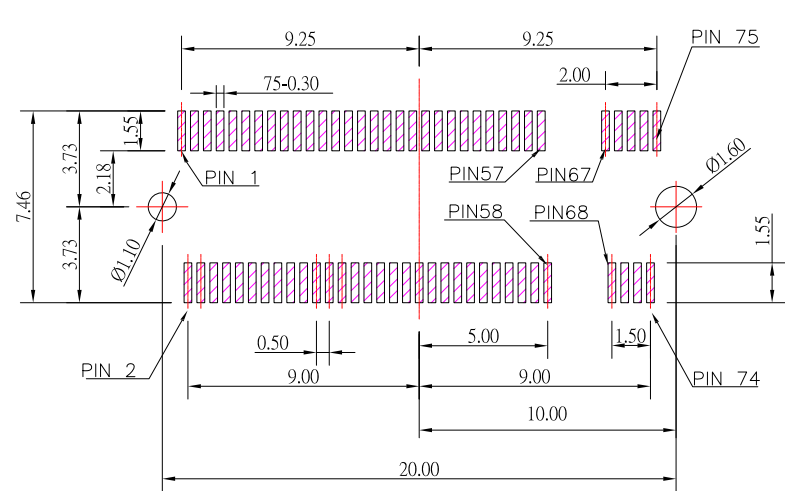
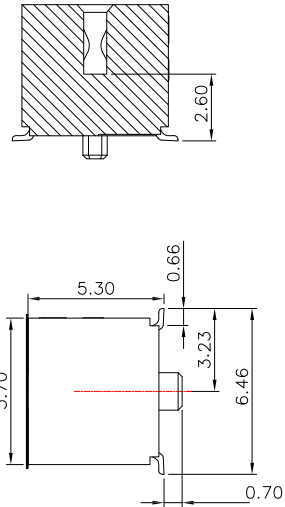
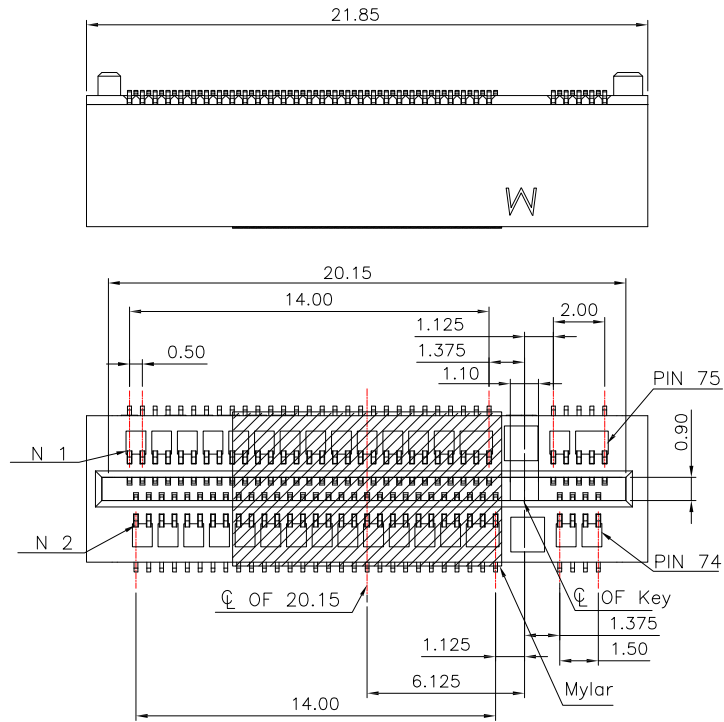


RECOMMENDED PCB LAYOUT(TOP VIEW)
DEFAULT TOLERANCE $\pm 0.05\text{MM}$

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

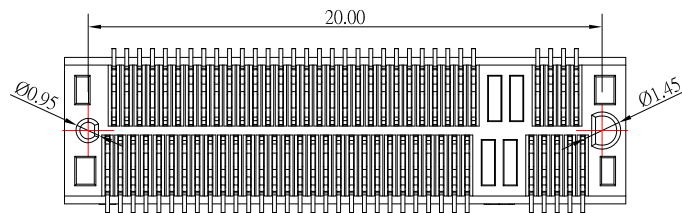
3. ELECTRICAL CHARACTERISTICS:

- 3-1. CONTACT CURRENT RATING: 0.5 A. MAX PER PIN;
- 3-2. VOLTAGE RATING: 50V AC;
- 3-3. INSULATION RESISTANCE:500 M Ω MIN, AT 500V DC;
- 3-4. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC RMS AT 60Hz, FOR 1 MINUTE
- 3-5. CONTACT RESISTANCE: 55 m Ω MAX. PER PIN

4. MECHANICAL CHARACTERISTICS:

- 4-1. DURABILITY: 60 CYCLES;
- 5. OPERATION TEMPERATURE: -40°C TO +80°C.

0.10



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

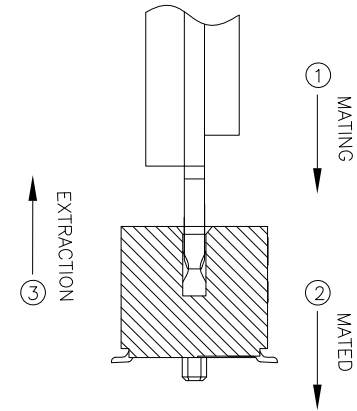
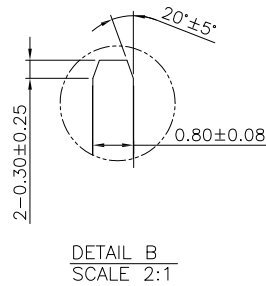
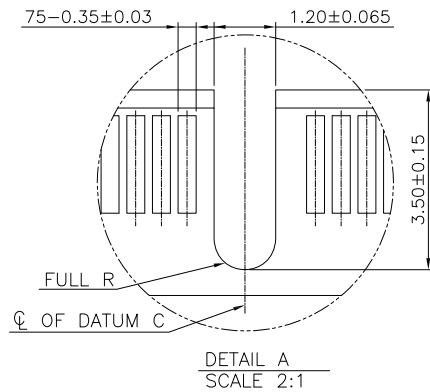
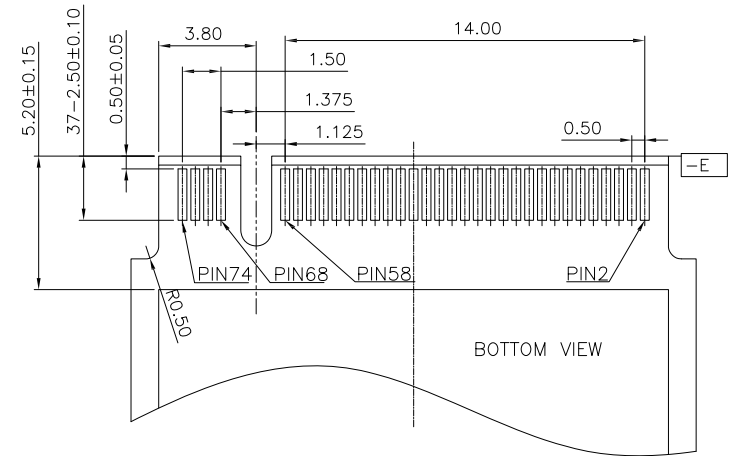
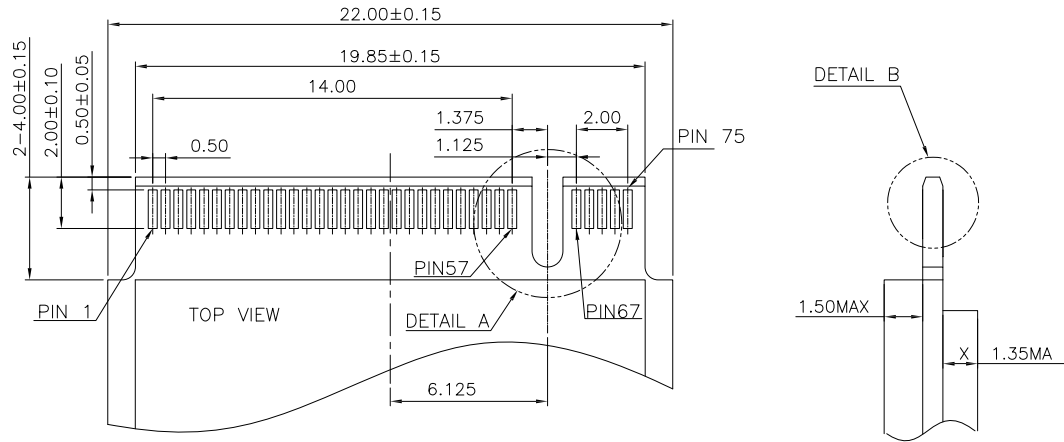
MM

DRAWN BY: Jack Lu
CHECKED BY: Jacky Chen
APPROVED BY: Tony Kao

DATE: 04/27/26
DATE: 04/27/26
DATE: 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
SHEET NO.	1 of 2	PART NO.	NGF-53SM-S242

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



HOW TO MATE AND EXTRACT

MATE: ① → ②

EXTRACT: ③

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

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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:	DATE	MAT'L	TITLE	CONNECTOR
Jack Lu	04/27/26	FINISH	MODLE	NGFF M.2 KEY M H:5.3mm 67P
CHECKED BY:	DATE	SCALE	DWG NO.	SIZE
Jacky Chen	04/27/26	1 : 1	NGF-53SM-S242	A4
APPROVED BY:	DATE	SHEET NO.	PART NO.	VER
Tony Kao	04/27/26	2 of 2	NGF-53SM-S242	R1