

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			NEW RELEASE	05/12'25	Pei

ORDERING INFORMATION

M2G5M - 400 (XX R)

1 2 3 4

1 PRODUCT SERIES:

M.2<NGFF> M KEY/ GEN5 Series.

2 Height: 4.00mm

CUSTOMER DRAWING

RoHS Compliant

3 PLATING :

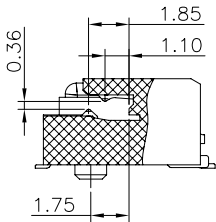
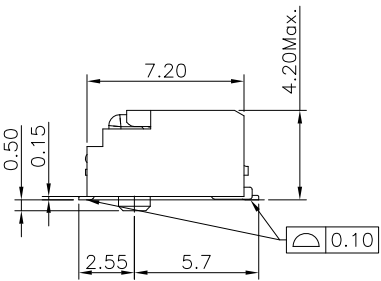
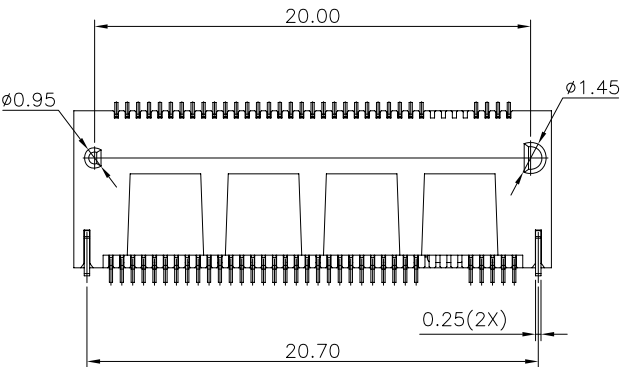
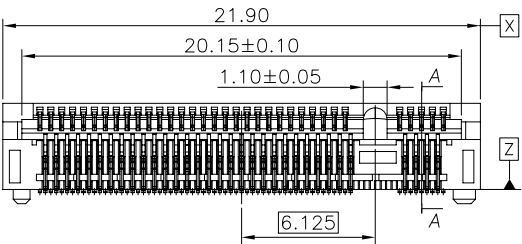
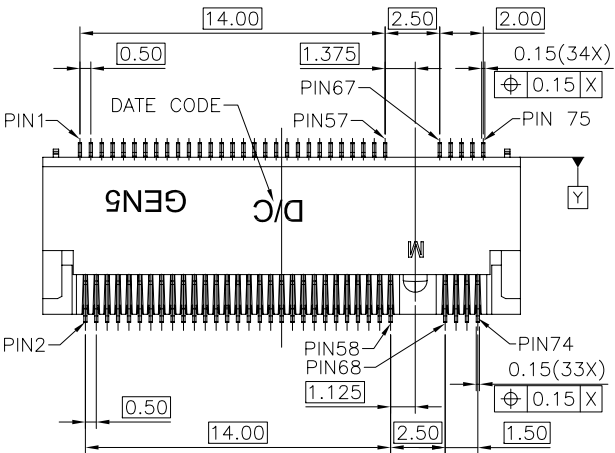
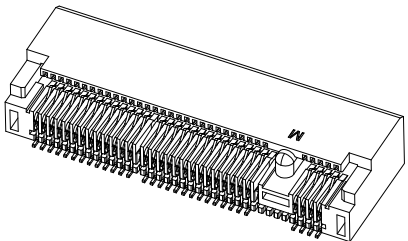
01: G/F.

05: 5u".

4 PACKING :

R: Reel.

3D VIEW



SECTION:A-A

NOTES:

1.MATERIAL:

1-1 CONTACT: COPPER ALLOY.

1-2 HOUSING: HIGH TEMP, UL94V-0.

1-3 METAL TAB: STAINLESS STEEL.

1-4 GROUND BAR: STAINLESS STEEL.

2.PLATING:

CONTACT: GOLD OVER NICKEL UNDER-PLATED OVERALL.

3.MECHANICAL PERFORMANCE

3-1 INSERTION FORCE: 25 N MAXIMUM

3-2 DURABILITY: 60 CYCLES

4.ELECTRICAL PERFORMANCE

4-1 VOLTAGE RATING: DC 50V PER PIN.

4-2 CURRENT RATING: 0.5 AMPERE MAX. PER PIN.

4-3 LLCR: 55 MILLIOHMS MAX. PER PIN INITIAL, AFTER DRUABYLITY

CHANGE OF ALL PINS: 20mΩ MAX. PER PIN

4-4 INSULATION RESISTANCE: 500MΩ MIN. AT 500V DC

4-5 DIELECTRIC WITHSTAND VOLTAGE: AC 300V FOR 1 MINUTE.

5.ENVIRONMENTAL PERFORMANCE

5-1 OPERATING TEMPERATURE: -40°C~+80°C.

5-2 WELDING METHODS:IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD

SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

SUNFUN

SUNFUN TECHNOLOGY LTD

DRAW NO.	M2G5M-400(A0)	DATE	05/12'25	MATERIAL:	SEE NOTES	DRAW NAME:	M.2<NGFF> M KEY/ GEN5 Series: Height 4.00mm
DESIGN:	Pei	05/12'25	05/12'25	FINISH:	SEE NOTES	MODEL:	M.2<NGFF>
CHECK:	Pei	05/12'25	05/12'25	FILE:	M2G5M-400(A0)	UNIT:	mm
REVIEW:	Frank	05/12'25	05/12'25	P/N:	M2G5M-400(XXR)	SHEET:	1/3
APPROVED	Frank	05/12'25	05/12'25	REV.	A0	SCALE	

DIM	TOL	DIM	TOL
X.X	±0.35	X.X"	±3.0"
X.XX	±0.25	X.XX"	±2.0"
X.XXX	±0.15	X.XXX"	±1.0"

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CUSTOMER DRAWING

RoHS Compliant

M2G5M - 400 (XX R)

- 1

2

3

4
- 1

PRODUCT SERIES:

M.2<NGFF> M KEY/ GEN5 Series.

2

Height: 4.00mm
- 3

PLATING :

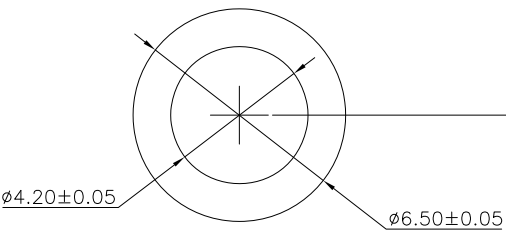
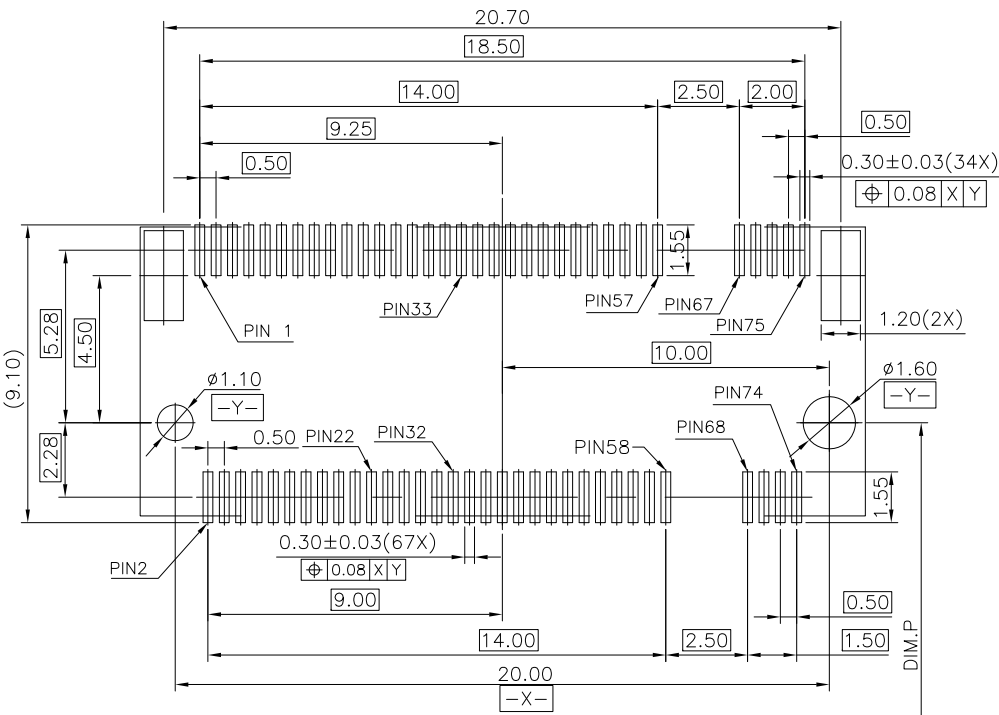
01: G/F.

05: 5u".

4

PACKING :

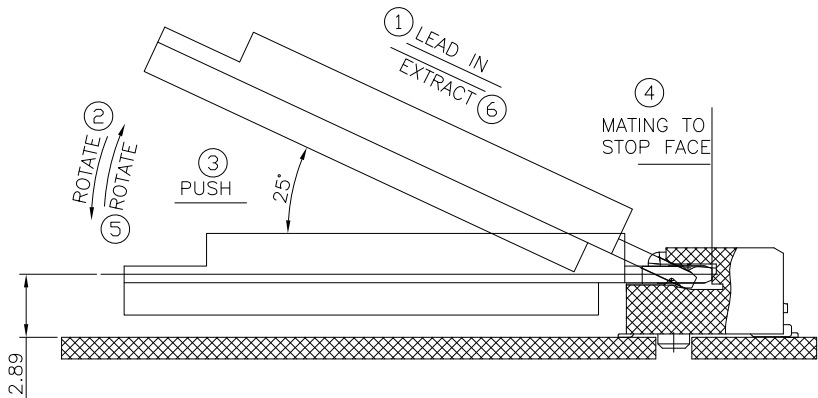
R: Reel.



RECOMMENDED PCB LAYOUT(TOP VIEW)
DEFAULT TOLERANCE:±0.05
SCALE 1.5:1

22110	108.25
2280	78.25
2260	58.25
2242	40.25
2230	28.25
3042	40.25
3030	28.25
TYPE	DIM P

DIM	TOL	DIM	TOL
X.X	±0.35	X.X"	±3.0"
X.XX	±0.25	X.XX"	±2.0"
X.XXX	±0.15	X.XXX"	±1.0"



MATE AND EXTRACT METHOD

- MATE: 1 — 2 — 3 — 4
- EXTRACT: 5 — 6
- NOTE:MATING FORCE WILL GENERATE FROM STEP 3 TO STEP 4

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DRAW NO.	M2G5M-400(A0)	DATE	MATERIAL: SEE NOTES		DRAW NAME:	
DESIGN:	Pei	05/12'25	FINISH: SEE NOTES		M.2(NGFF) M KEY/ GEN5 Series: Height 4.00mm	
CHECK:	Pei	05/12'25	FILE: M2G5M-400(A0)		MODEL: M.2(NGFF)	
REVIEW:	Frank	05/12'25	P/N: M2G5M-400(XXR)		UNIT: mm	SHEET: 2/3
APPROVED	Frank	05/12'25	REV. A0	SCALE		

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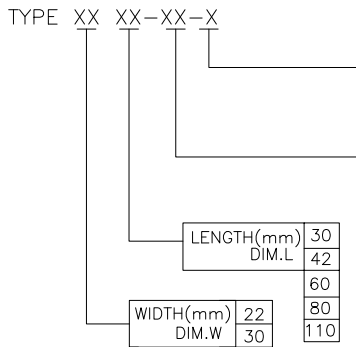
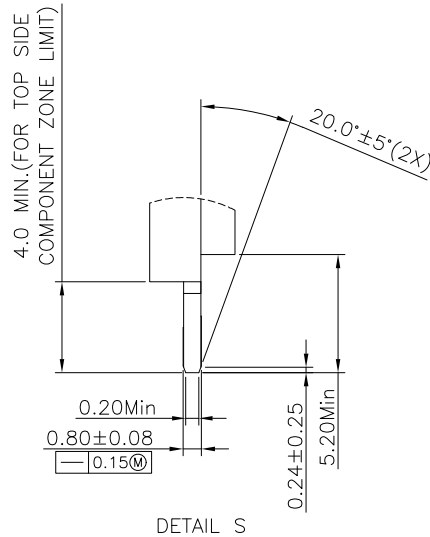
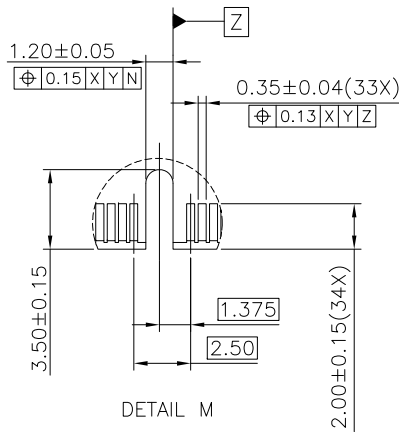
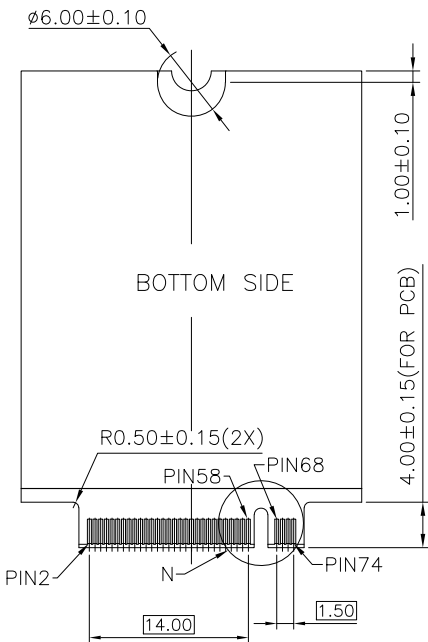
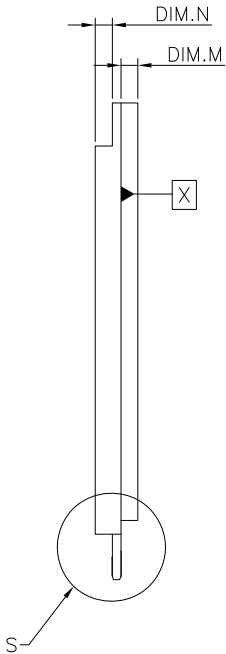
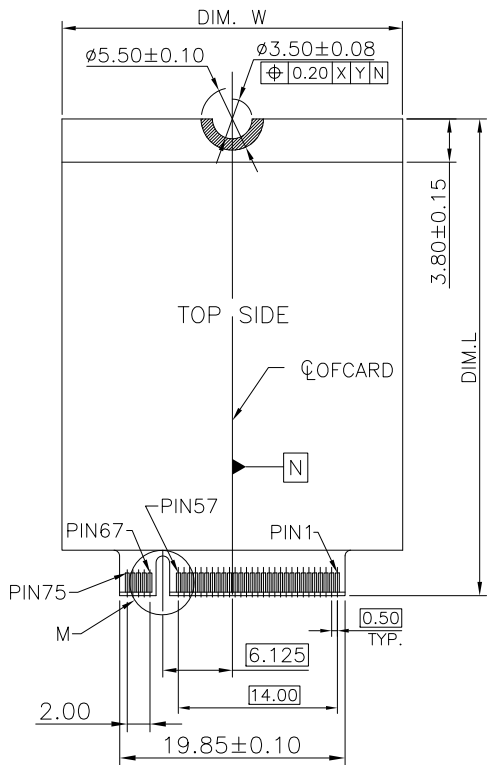
① ② ③ ④

- ① PRODUCT SERIES:
M.2(NGFF) M KEY/ GEN5 Series.
- ② Height: 4.00mm

CUSTOMER DRAWING

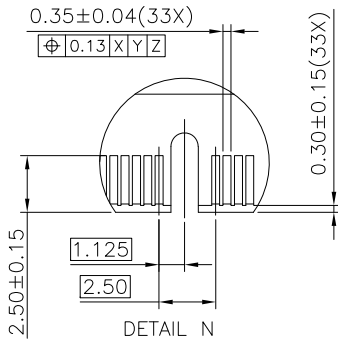
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- ④ PACKING :
R: Reel.



KEY ID

COMPONENT MAX HEIGHT(mm)		
	DIM.N	DIM.M
S1	1.2	0
S2	1.35	0
S3	1.5	0
S4	1.75	0
S5	2.0	0
D1	1.2	1.35
D2	1.35	1.35
D3	1.5	1.35
D4	1.5	0.7
D5	1.5	1.5



DIM	TOL	DIM	TOL
X.X	±0.35	X.X'	±3.0'
X.XX	±0.25	X.XX'	±2.0'
X.XXX	±0.15	X.XXX'	±1.0'

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REVIEW:	Frank	05/12'25	P/N: M2G5M-400(XXR)	UNIT: mm	
APPROVED	Frank	05/12'25	REV. A0	SCALE	SHEET: 3/3