

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			NEW RELEASE	03/13'25	Pei

ORDERING INFORMATION

M2G4M - 320 (XX R)

① ② ③ ④

① PRODUCT SERIES:

M.2(NGFF) M KEY/ GEN4 Series.

② Height: 3.20mm

CUSTOMER DRAWING

RoHS Compliant

③ PLATING :

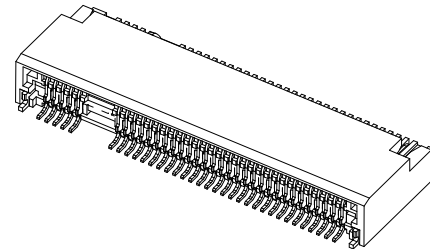
01: G/F.

05: 5u".

④ PACKING :

R: Reel.

3D VIEW



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 DRUABLYLITY
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.

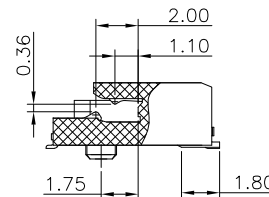
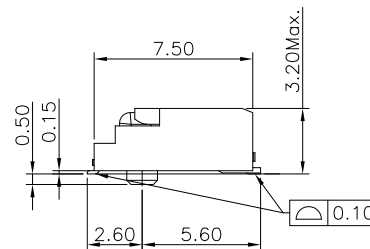
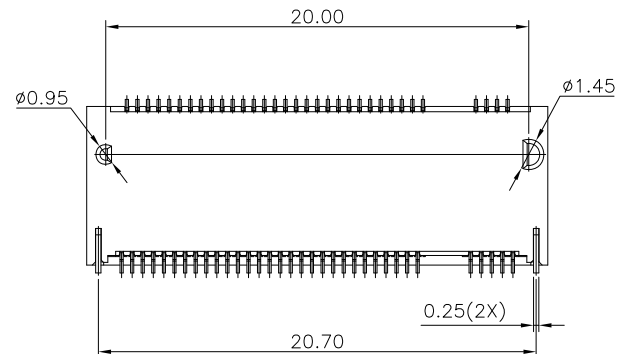
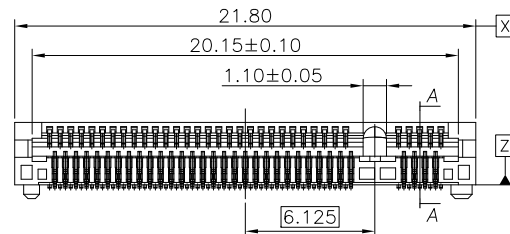
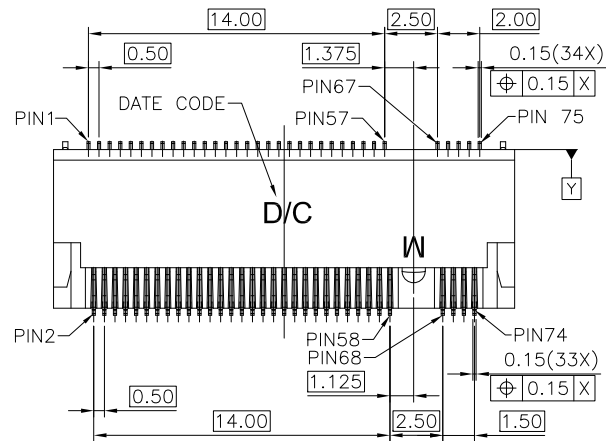
5.ENVIRONMENTAL PERFORMANCE

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.



SECTION:A-A

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'

SUNFUN		SUNFUN TECHNOLOGY LTD			
DRAW NO.	M2G4M-320(A0)	DATE	03/13'25	MATERIAL: SEE NOTES	DRAW NAME:
DESIGN:	Pei	03/13'25	FINISH:	SEE NOTES	M.2(NGFF) M KEY/ GEN4 Series: Height 3.20mm
CHECK:	Pei	03/13'25	FILE:	M2G4M-320(A0)	MODEL: M.2(NGFF)
REVIEW:	Frank	03/13'25	P/N:	M2G4M-320(XXR)	UNIT: mm
APPROVED	Frank	03/13'25	REV. A0	SCALE	SHEET: 1/3

[illegible]

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APPROVED	Frank	03/13'25	REV. A0	SCALE	UNIT: mm SHEET: 2/3

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2 Height: 3.20mm

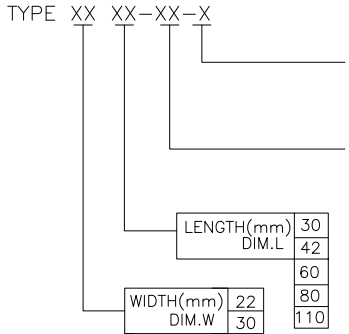
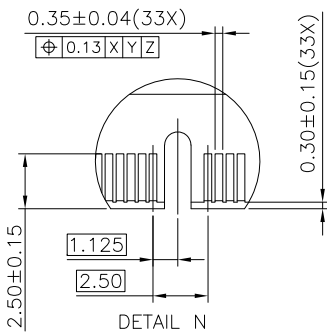
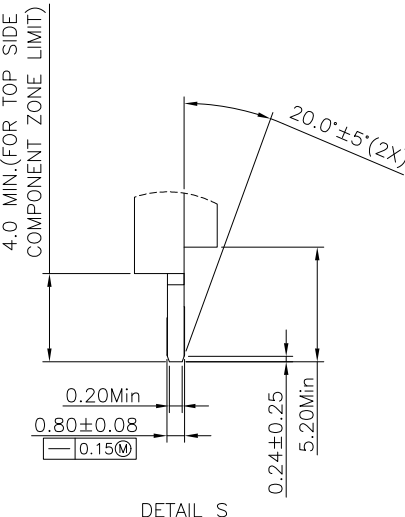
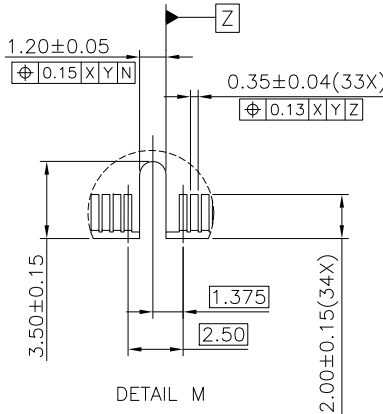
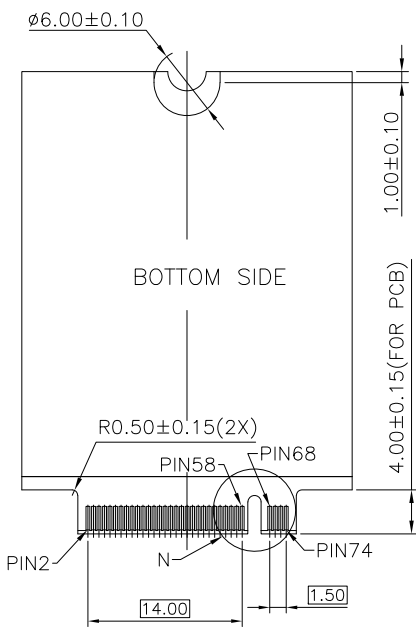
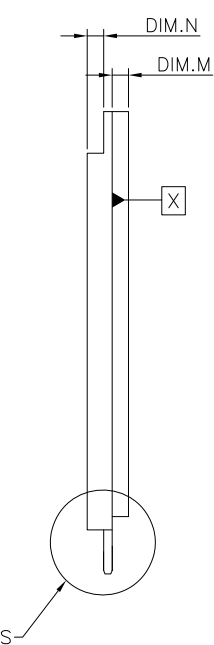
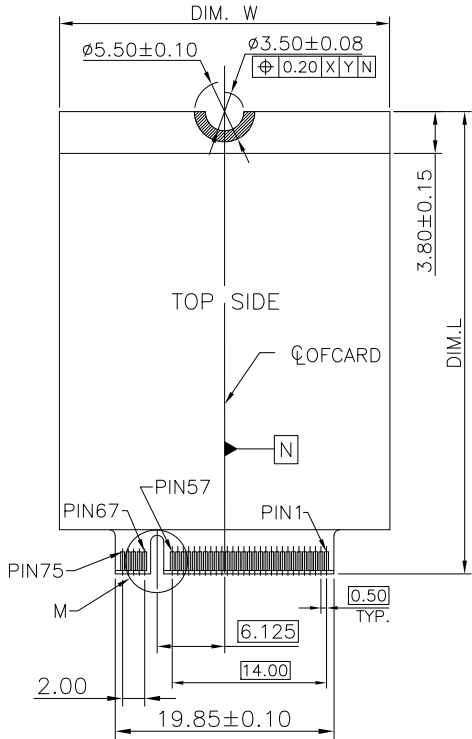
3 PLATING :

01: G/F.

05: 5u".

4 PACKING :

R: Reel.



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'
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