

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

ORDERING INFORMATION

M2G5M - 320 (XX R)

① ② ③ ④

① PRODUCT SERIES:

M.2(NGFF) M KEY/ GEN5 Series.

② Height: 3.20mm

CUSTOMER DRAWING

RoHS Compliant

③ PLATING :

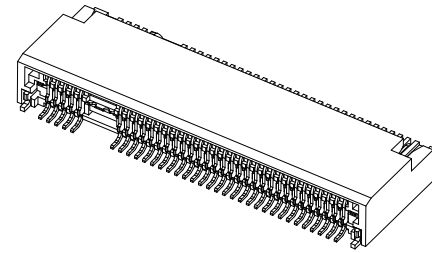
01: G/F.

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

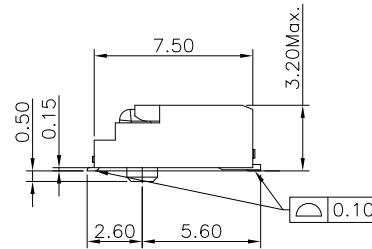
- 3-1 INSERTION FORCE: 25 N MAXIMUM
- 3-2 DURABILITY: 60 CYCLES

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 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

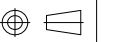
- 5-1 OPERATING TEMPERATURE: -40°C~+80°C.
- 5-2 WELDING METHODS:IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD
SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.



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.	M2G5M-320(A0)	DATE	03/13'25	MATERIAL: SEE NOTES	DRAW NAME:
DESIGN:	Pei	03/13'25	FINISH: SEE NOTES		M.2(NGFF) M KEY/ GEN5 Series: Height 3.20mm
CHECK:	Pei	03/13'25	FILE: M2G5M-320(A0)		MODEL: M.2(NGFF)
REVIEW:	Frank	03/13'25	P/N: M2G5M-320(XXR)		UNIT: mm
APPROVED	Frank	03/13'25	REV. A0	SCALE	SHEET: 1/3



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REVIEW:	Frank	03/13'25	P/N: M2G5M-320(XXR)		
APPROVED	Frank	03/13'25	REV. A0	SCALE	UNIT: mm SHEET: 2/3

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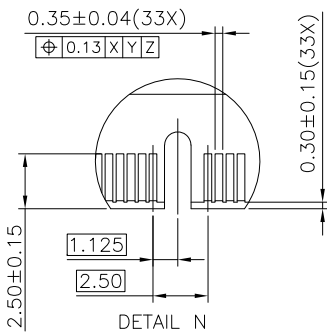
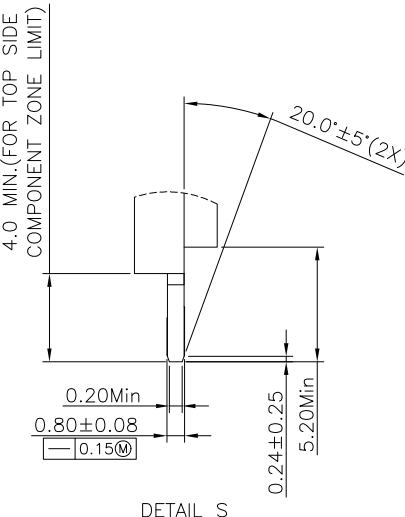
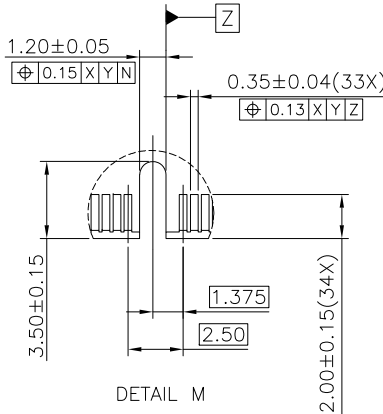
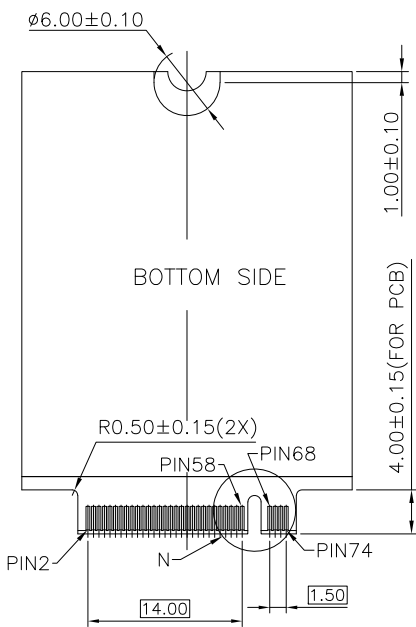
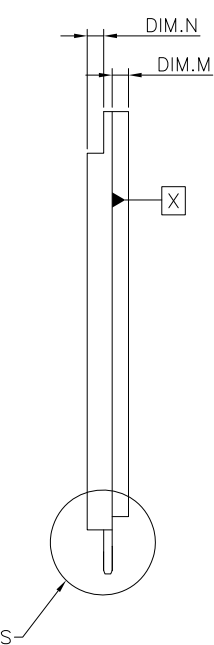
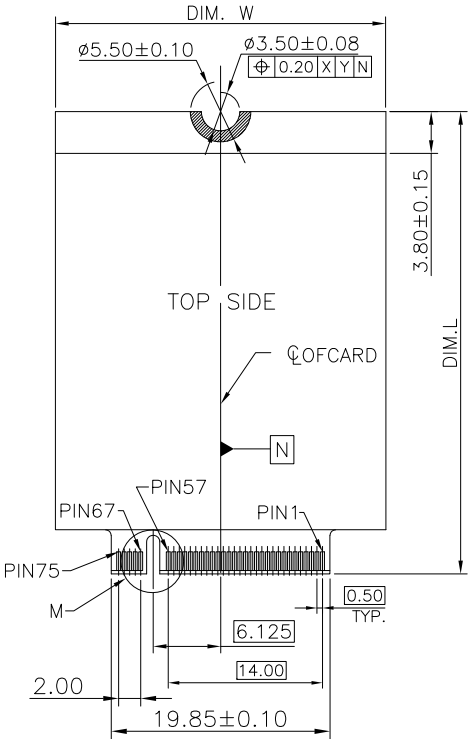
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TYPE XX XX-XX-X KEY ID

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

LENGTH(mm)	30
DIM.L	42
	60
	80
	110

WIDTH(mm)	22
DIM.W	30

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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				SHEET:	3/3