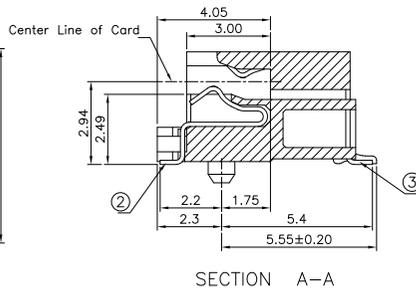
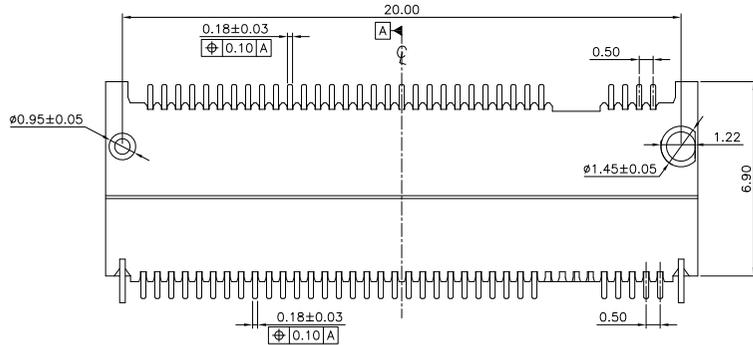
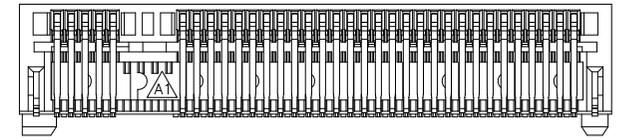
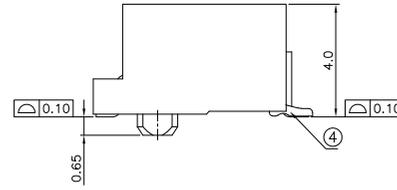
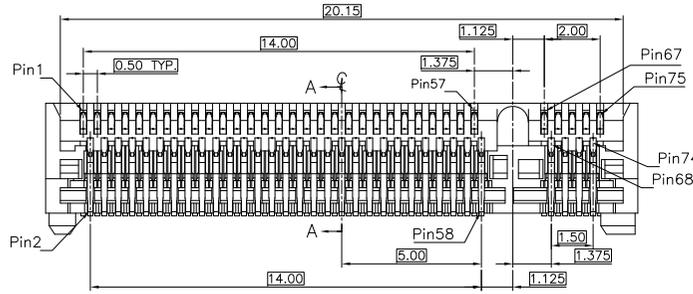
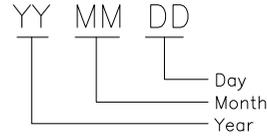
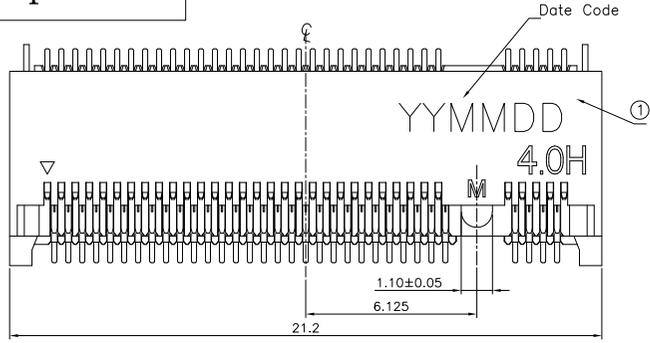
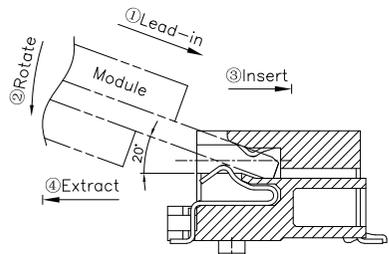
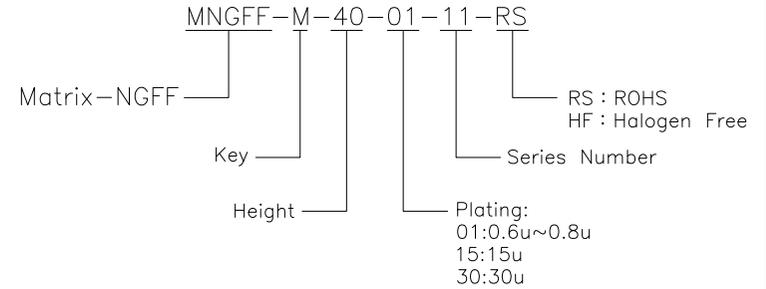


GP Component

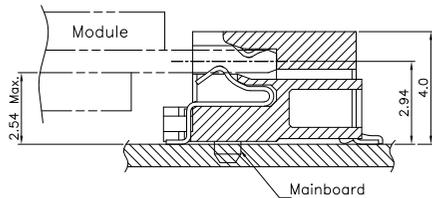
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/04/27	Phebe Su
A1			Modify housing	2017/10/20	Phebe Su
A2			Update Operating Temperature	2019/09/04	Phebe Su
A2.1			Add Drawing	2023/03/10	Ken Lin



ORDER INFORMATION :



How to mate and unmate
Mate: ①- ② - ③
Unmate: ④



④	LEG
③	Upper Contact
②	Lower Contact
①	HOUSING
Item	Part Description

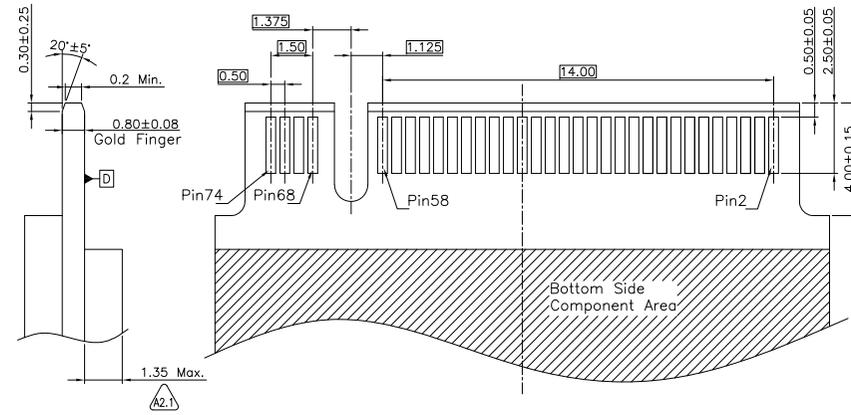
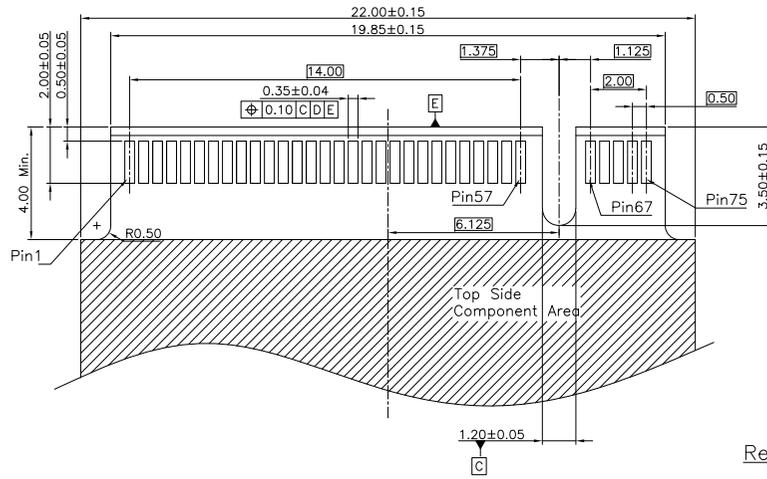


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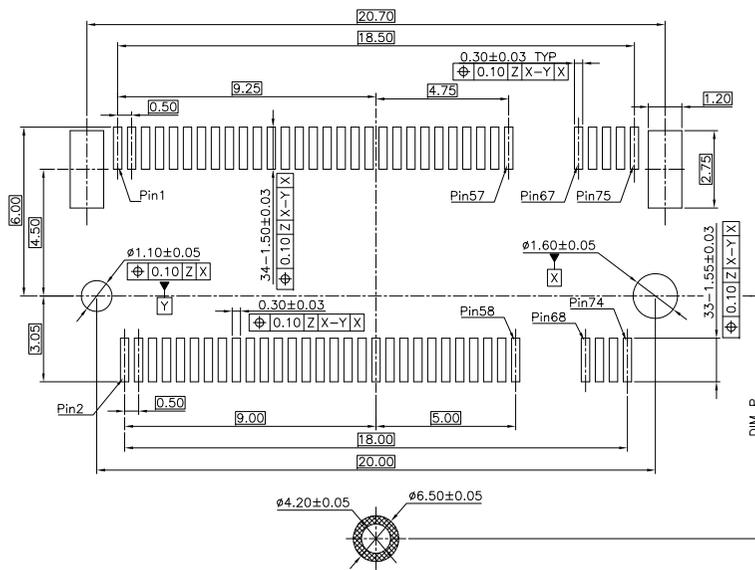
TOLERANCE: X:X ±0.20 X:XX ±0.10 X:XXX ±0.05 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2023/03/10	PART NAME: NGFF Socket (M.2 Connector) 4.0H, STD M key	
UNIT: mm [inch]	CHECKED BY: Vicky Hsieh	DATE : 2023/03/10	PART NO.	MNGFF-M-40-01-11-RS
SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2023/03/10	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/03/10	DRAW NO.	
			SHEET NO.	1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/04/27	Phebe Su
A1			Modify housing	2017/10/20	Phebe Su
A2			Update Operating Temperature	2019/09/04	Phebe Su
A2.1			Add Drawing	2023/03/10	Ken Lin



Recommended Mould Finger Layout
Default Tolerance ±0.05



Recommended PCB Layout (Top View)
Default Tolerance ±0.05

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

Notes:

- Materials
 - Housing: LCP+30% GF,UL94 V-0(E471i);
 - Contact: C5210-SH T=0.15mm, Mating area Gold 0.6u~0.8u, 100u" Min. Matte Tin plating at solder tail, all over Nickel(50u" Min.);
 - LEG: C2680-EH T0.20mm, 100u" Min. Matte Tin plating over all, all over nickel(50u" Min.).
- RoHS 2.0 and HF compliant;
- Ratings
 - Voltage Rating: 50V AC (Per pin);
 - Current Rating: 0.5A (Per pin);
 - Operating Temperature: -40°C ~ 85°C;
- Electrical Requirement:
 - LLCR: 55mΩ Max.(Initial), 20mΩ Max. change allowed(Final);
 - Dielectric Withstanding Voltage: 300V AC (RMS) for 1 minute;
 - Insulation Resistance: 500MΩ Min. @ 500V DC;
- Mechanical Requirement:
 - Mating Force: 20N Max.;
 - Unmating Force: 20N Max.;
 - Durability: 60 Cycles;
 - Vibration: No electrical discontinuity greater than 1u sec shall occur;
 - Mechanical Shock: 285G half sine / 6 axis, No electrical discontinuity greater than 1u sec shall occur;
- Resistance to heat: the temperature shall be 260±5°C 10±1 seconds.



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TOLERANCE: X:X ±0.20 X:XX ±0.10 X:XXX ±0.05 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2023/03/10	PART NAME: NGFF Socket (M.2 Connector) 4.0H, STD M key	
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY: Vicky Hsieh	DATE : 2023/03/10	PART NO.	MNGFF-M-40-01-11-RS
	APPROVED BY1: Richard Hsieh	DATE : 2023/03/10	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/03/10	DRAW NO.	
			SHEET NO.	2 OF 2