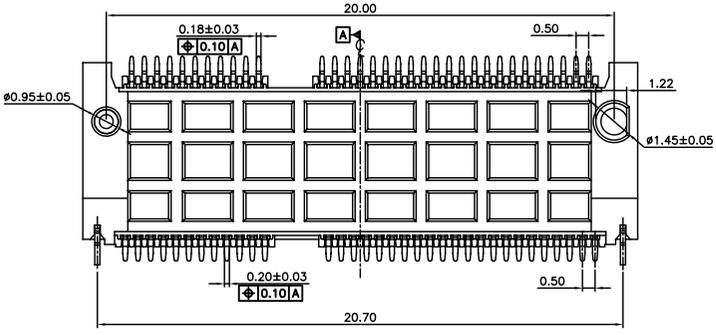
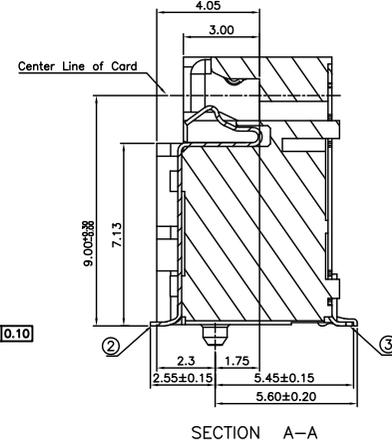
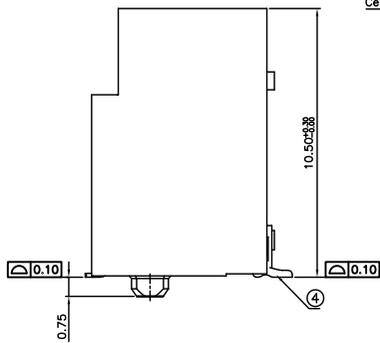
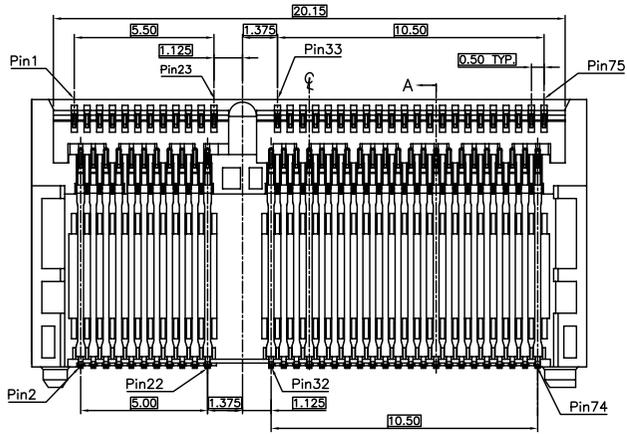
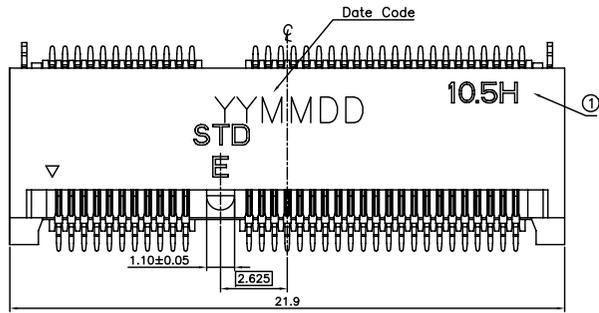


# GP Component

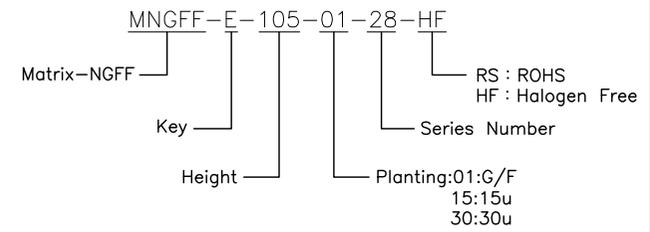
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2023/03/19	Ken Lin



Notes:

- Materials
  - Housing: LCP+30% GF, UL94 V-0(E471i);
  - Contact: C5210-SH T=0.15mm, Gold Flash Plating at mating area, 60u" Min. Matte Tin plating or G/F 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: 1.0A (Per pin);
  - Operating Temperature: -40°C ~ 95°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.
- ROHS 2.0 & HF Compliant.

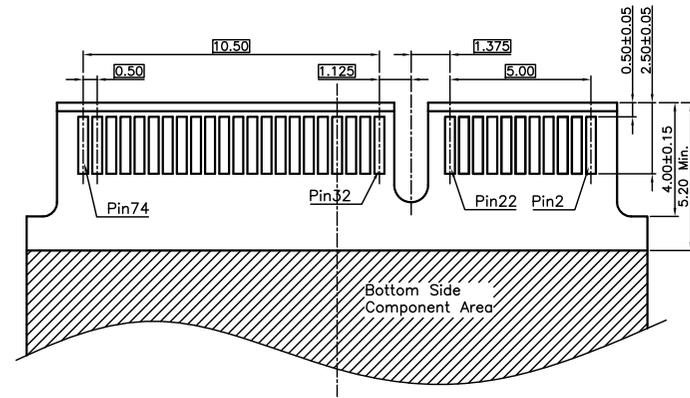
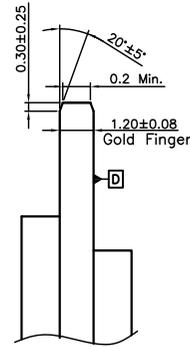
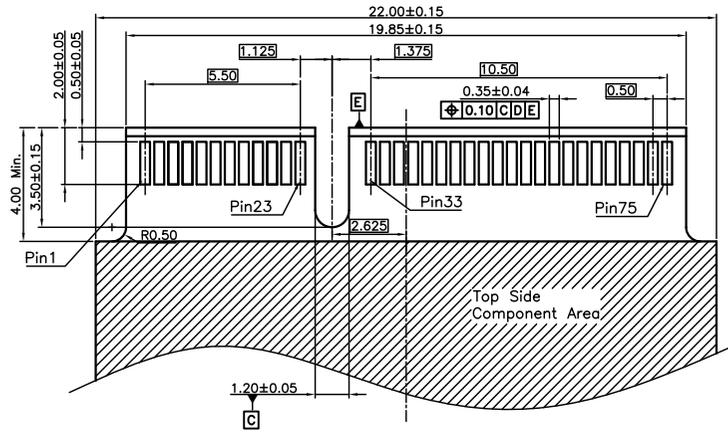
ORDER INFORMATION :



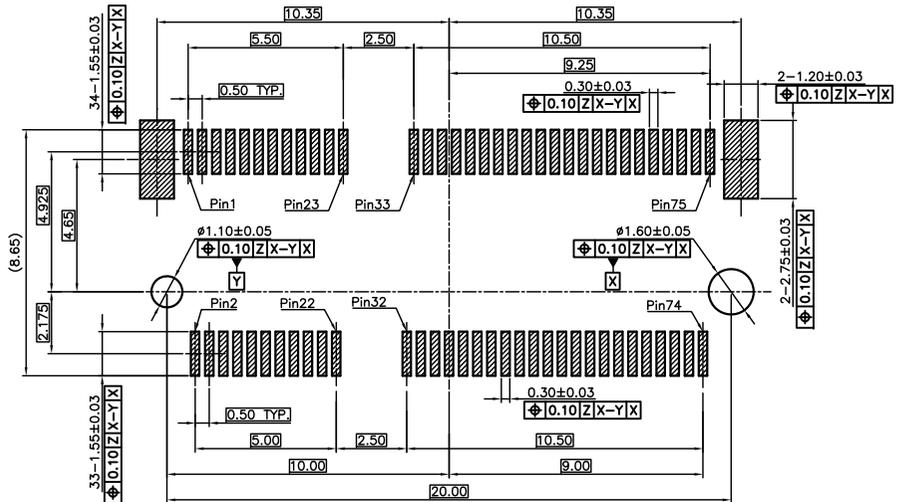
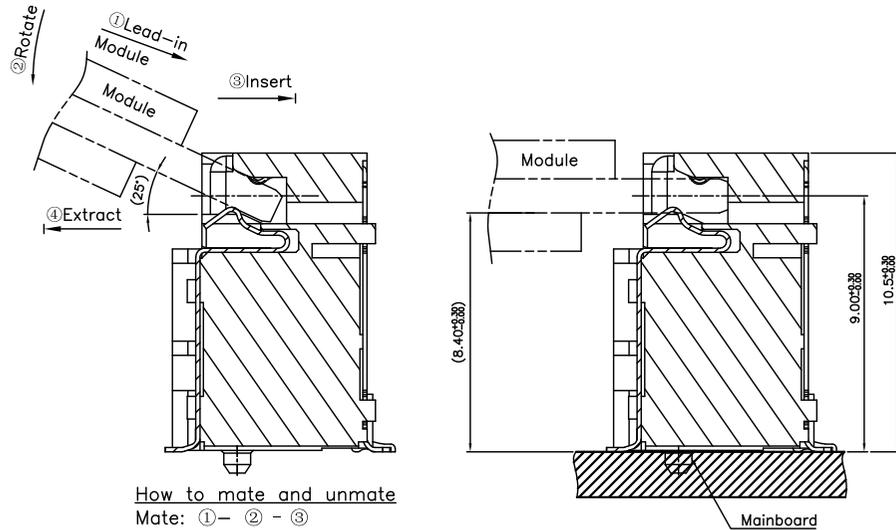
Matrix Electronics Co.,Ltd			
TOLERANCE: X:X ±0.30 X:XX ±0.25 X:XXX ±0.15 X:XXX ±0.10 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2023/03/19	PART NAME: NGFF Socket (M.2 Connector) 10.5H, STD E KEY
	CHECKED BY: Vicky Hsieh	DATE : 2023/03/19	PART NO. MNGFF-E-105-01-28-HF
	APPROVED BY1: Richard Hsieh	DATE : 2023/03/19	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/03/19	DRAW NO.
UNIT: mm [inch] SCALE:1:1 SIZE:A4			SHEET NO. 1 OF 2

# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2022/09/28	Ken Lin



Recommended Mould Finger Layout  
Default Tolerance ±0.05



Recommended PCB Layout (Top View)  
Default Tolerance ±0.05



Matrix Electronics Co., Ltd

TOLERANCE: X:X ±0.30 X:XX ±0.25 X:XXX ±0.15 X:XXXX ±0.10 ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Ken Lin	2023/03/19	NGFF Socket (M.2 Connector) 10.5H, STD E KEY	
UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY:	DATE :	PART NO.	MNGFF-E-105-01-28-HF
	Vicky Hsieh	2023/03/19		
APPROVED BY1: APPROVED BY2:	DATE :	DATE :	MOLD NO.	NA
	Richard Hsieh	2023/03/19		
	DATE :	DATE :	DRAW NO.	
	Richard Hsieh	2023/03/19	SHEET NO.	2 OF 2