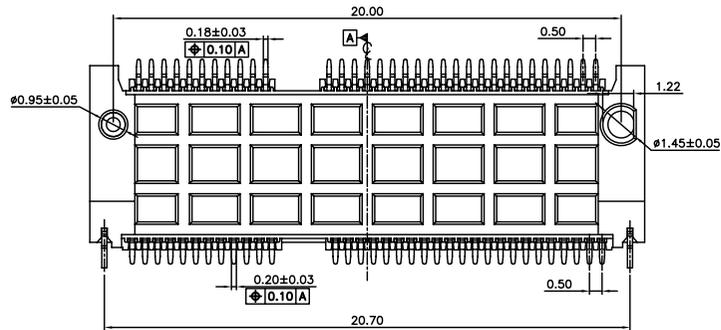
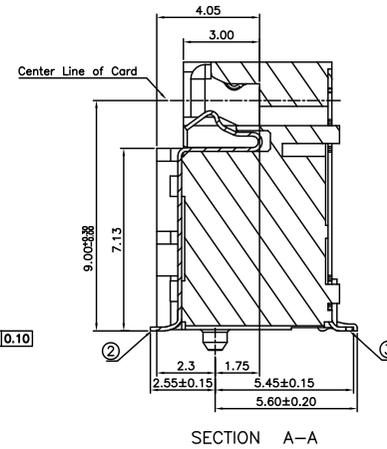
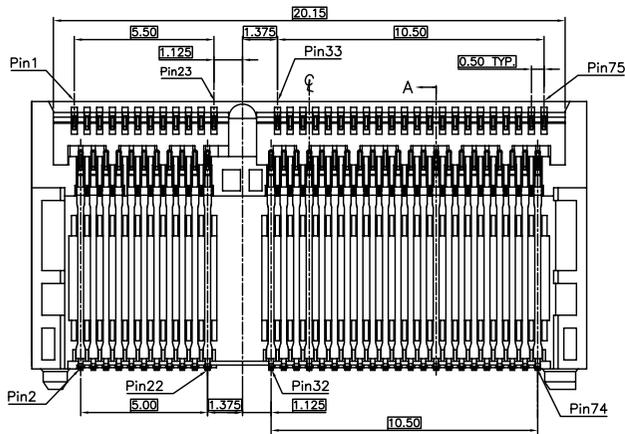
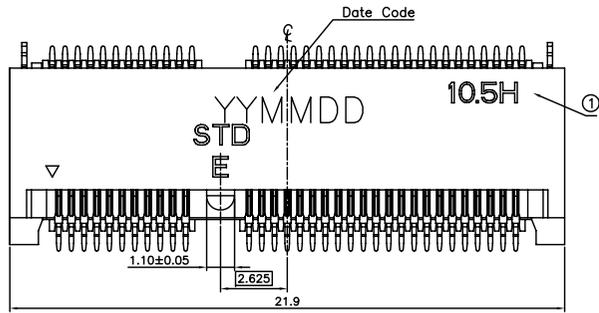


GP Component

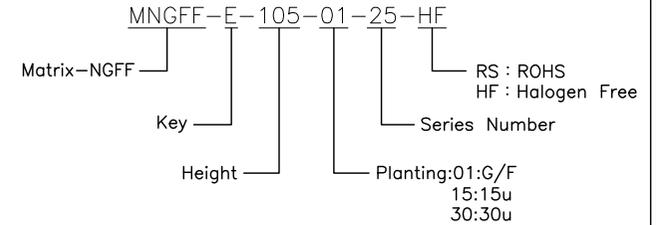
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2022/09/26	Ken Lin



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 ~ 80°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 :

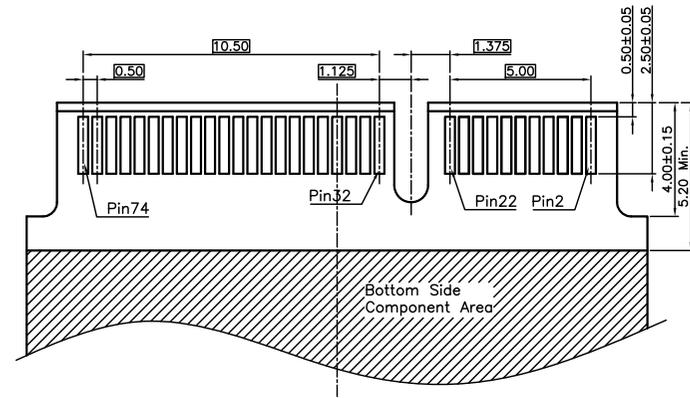
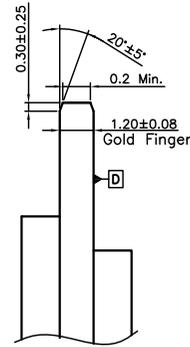
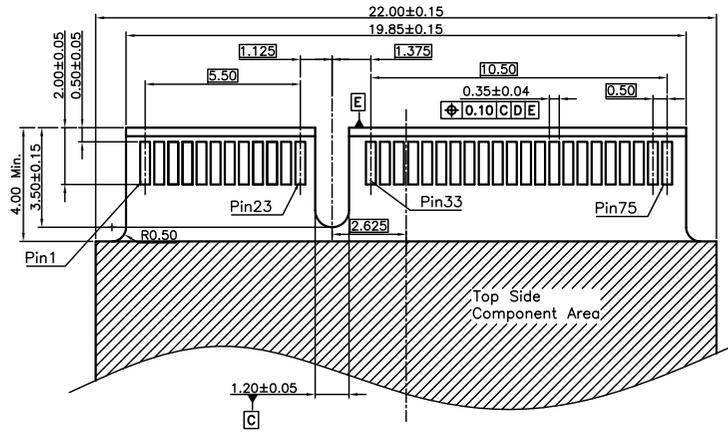


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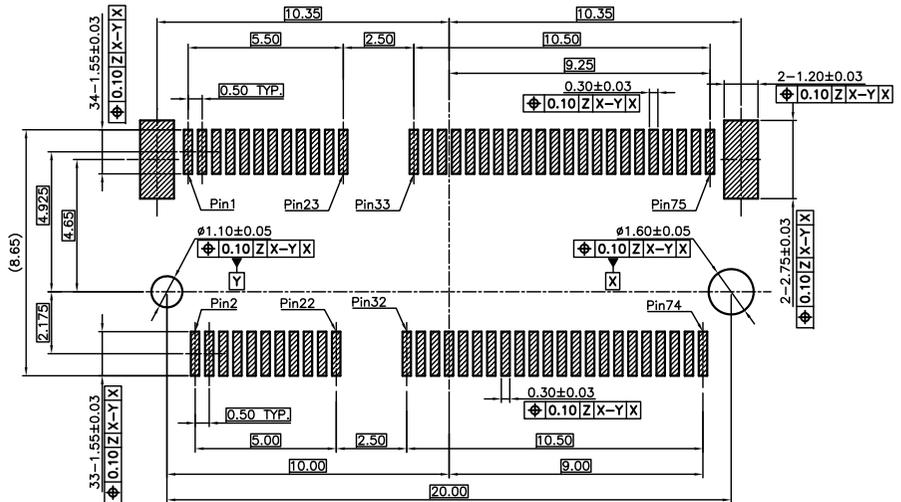
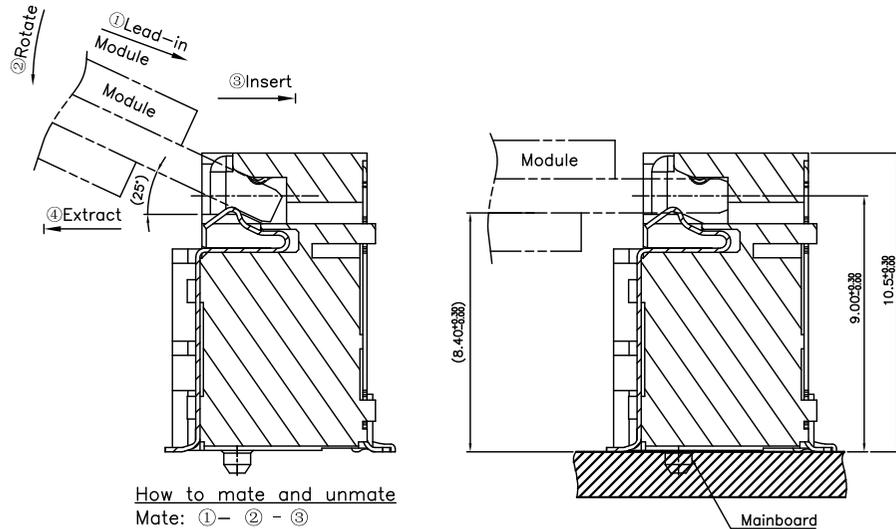
TOLERANCE: X:X ±0.30 X:XX ±0.25 X:XXX ±0.15 X:XXX ±0.10 ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Ken Lin	2022/09/26	NGFF Socket (M.2 Connector) 10.5H, STD E KEY	
UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY:	DATE :	PART NO.	MNGFF-E-105-01-25-HF
	Vicky Hsieh	2022/09/26	MOLD NO.	NA
APPROVED BY1: APPROVED BY2:	Richard Hsieh	DATE :	DRAW NO.	
	Richard Hsieh	2022/09/26	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:XXX ±0.10 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2022/09/26	PART NAME: NGFF Socket (M.2 Connector) 10.5H, STD E KEY	
	CHECKED BY: Vicky Hsieh	DATE : 2022/09/26	PART NO. MNGFF-E-105-01-25-HF	
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2022/09/26	MOLD NO. NA	
	APPROVED BY2: Richard Hsieh	DATE : 2022/09/26	DRAW NO. 	SHEET NO. 2 OF 2