

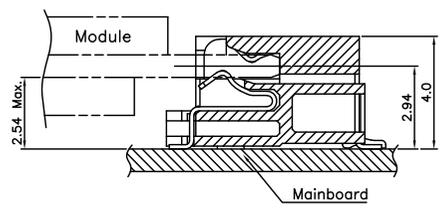
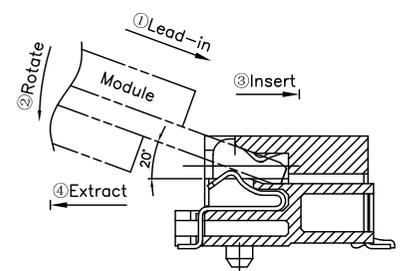
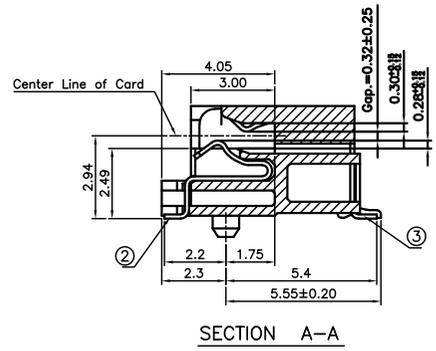
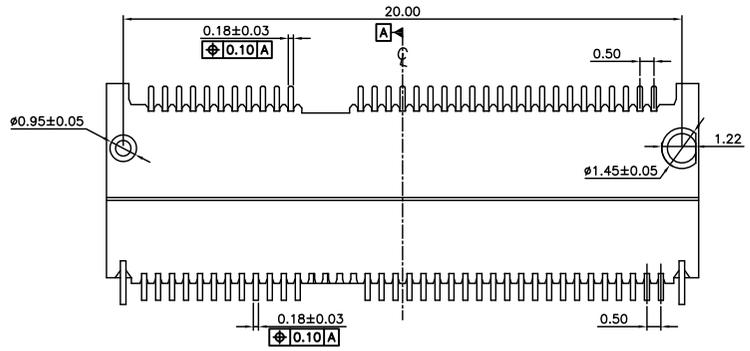
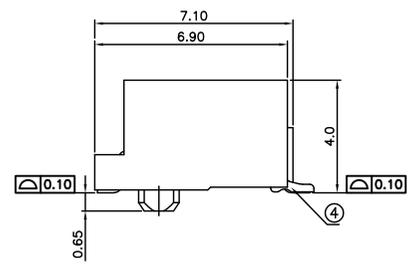
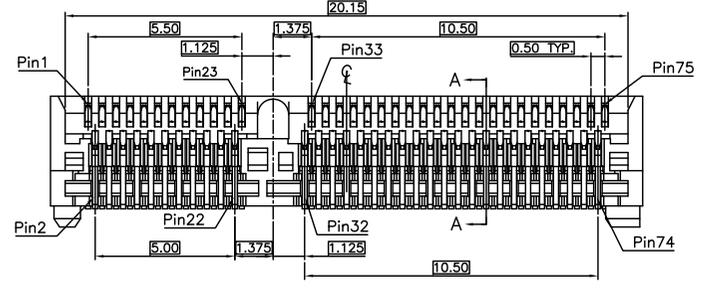
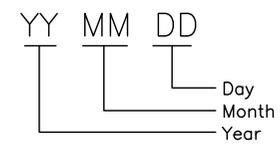
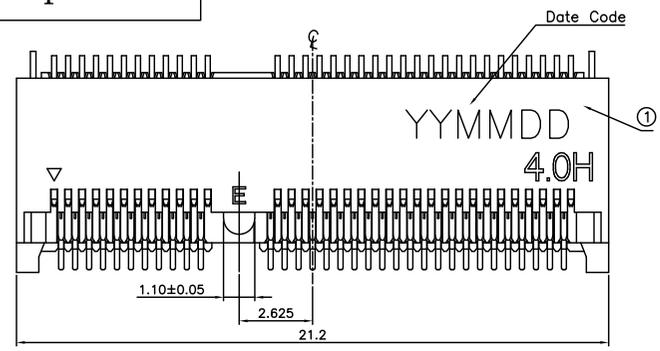
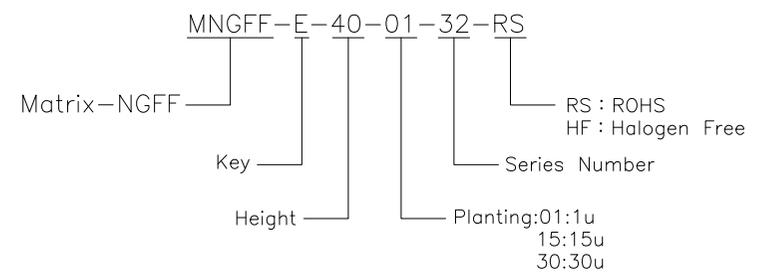
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2014/12/10	Phebe Su

Notes:

- Materials
 - Housing: LCP+30% GF,UL94 V-0(E471i); COLOR-BLACK
 - Contact: C5210-SH T=0.15mm, Gold 1u" at mating area, Matte Tin plating at soldertail, all over Nickel(30~150u");
 - LEG: C2680-EH T0.20mm, 30~120u" Tin plating over all, all over nickel(30~150u").
- 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.

ORDER INFORMATION :



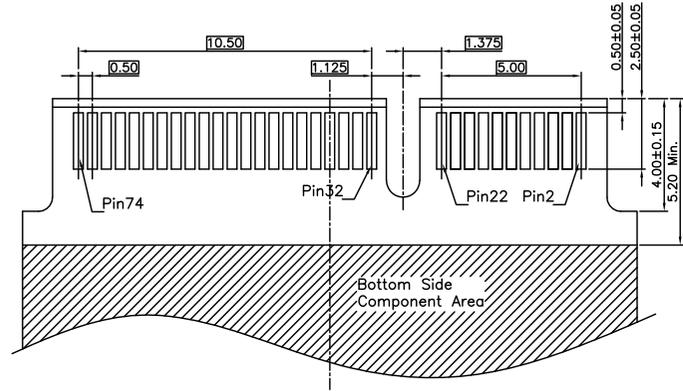
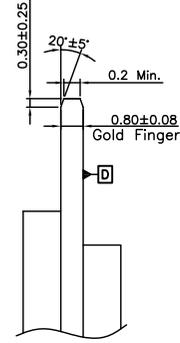
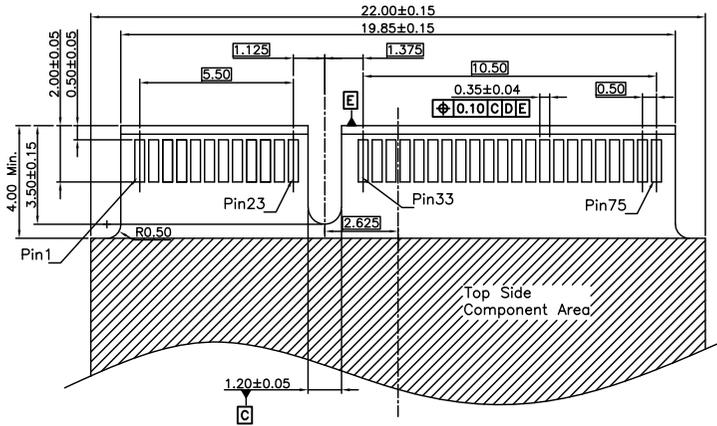
How to mate and unmate
Mate: ① - ② - ③
Unmate: ④

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

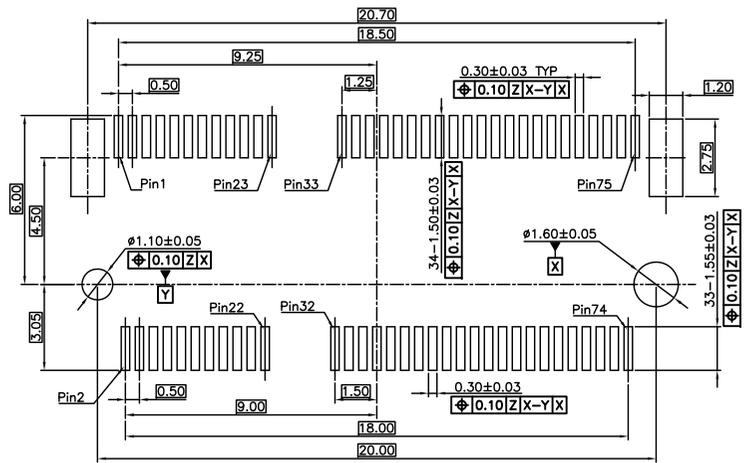
Matrix Electronics Co.,Ltd			
TOLERANCE: X:X ±0.20 X:XX ±0.10 X:XXX ±0.05 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2023/10/21	PART NAME: NGFF Socket (M.2 Connector) 4.0H, STD E key
UNIT: mm [inch]	CHECKED BY: Hanson Huang	DATE : 2023/10/21	PART NO. MNGFF-E-40-01-32-RS
SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2023/10/21	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/10/21	DRAW NO.
			SHEET NO. 1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2023/10/21	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 ±0.20 X:XX ±0.10 X:XXX ±0.05 ANGLE: ±3°	DESIGN BY : Ken Lin CHECKED BY: Hanson Huang APPROVED BY1: Richard Hsieh APPROVED BY2: Richard Hsieh	DATE : 2023/10/21 DATE : 2023/10/21 DATE : 2023/10/21 DATE : 2023/10/21	PART NAME: NGFF Socket (M.2 Connector) 4.0H, STD E key PART NO. MNGFF-E-40-01-32-RS MOLD NO. NA DRAW NO. SHEET NO. 2 OF 2
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UNIT: mm [inch]
 SCALE:1:1 SIZE:A4