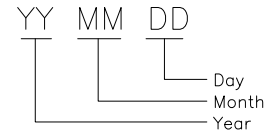
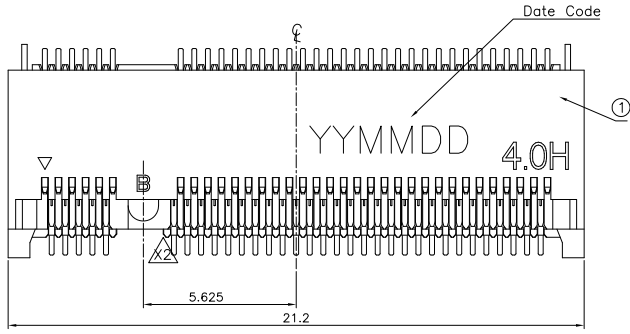


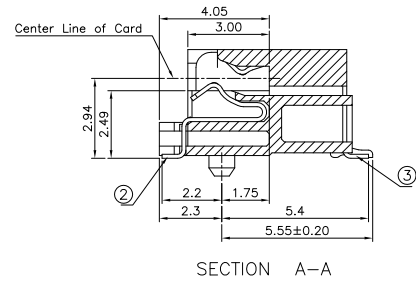
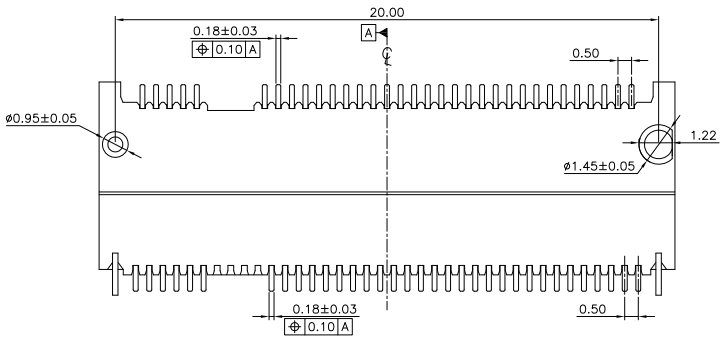
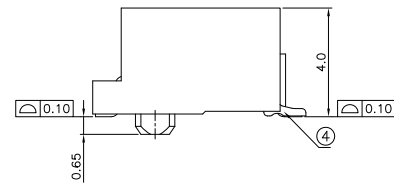
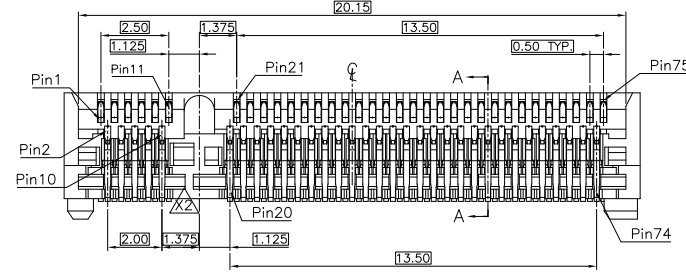
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2014/12/22	Phebe Su

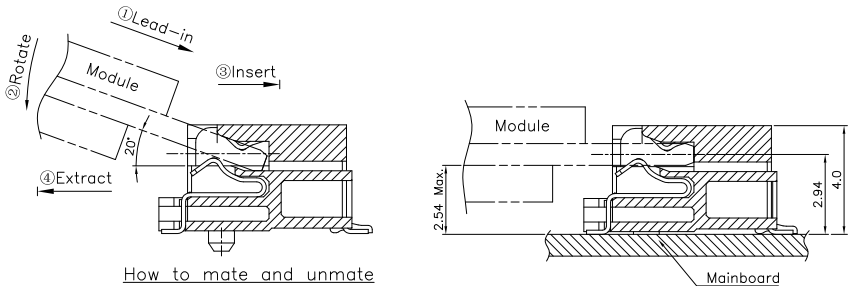
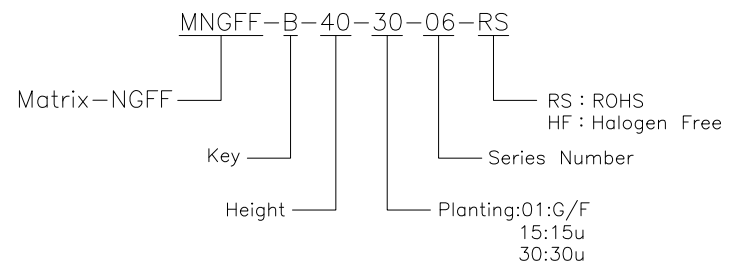


Notes:

- Materials
 - Housing: LCP+30% GF,UL94 V-0(E471i);COLOR-BLACK
 - Contact: C5210-SH T=0.15mm, Mating area Au 30u", Solder tail Matte Tin; 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 ~ 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.



ORDER INFORMATION :



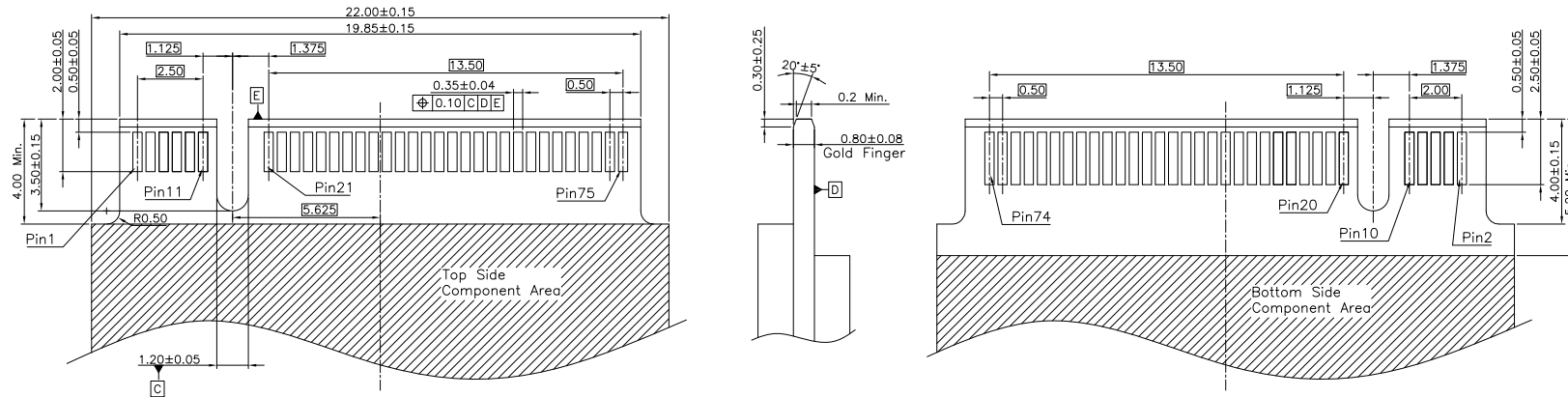
How to mate and unmate
 Mate: ① - ② - ③
 Unmate: ④

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

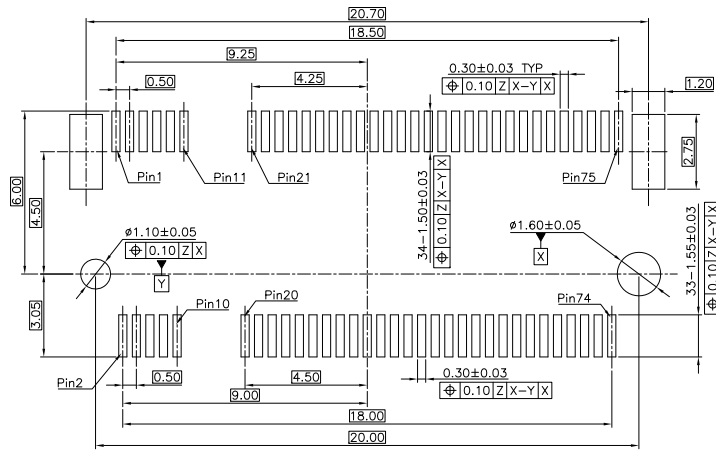
NO	VARIETY	QTY	MATERIAL	REMARK
TOLERANCE: X.X ±0.20 X.XX ±0.10 X.XXX ±0.05 ANGLE: ±3°				
DESIGN BY : Phebe Su		DATE : 2014/12/22		PART NAME: NGFF Socket (M.2 Connector) 4.0H, STD B Key
CHECKED BY: Vicky Hsieh		DATE : 2014/12/22		PART NO. MNGFF-B-40-30-06-RS
APPROVED BY1: Richard Hsieh		DATE : 2014/12/22		MOLD NO. NA
APPROVED BY2: Richard Hsieh		DATE : 2014/12/22		DRAW NO. SHEET NO. 1 OF 2

GP Component

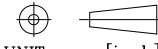
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2014/12/22	Phebe Su



Recommended Mould Finger Layout
Default Tolerance ±0.05



Recommended PCB Layout (Top View)
Default Tolerance ±0.05

NO	VARIETY	QTY	MATERIAL	REMARK
			Matrix Electronics Co.,Ltd	
TOLERANCE: X.X ±0.20 X.XX ±0.10 X.XXX ±0.05 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2014/12/22	PART NAME: NGFF Socket (M.2 Connector) 4.0H, STD B Key
		CHECKED BY: Vicky Hsieh	DATE : 2014/12/22	PART NO. MNGFF-B-40-30-06-RS
UNIT: mm [inch] SCALE:1:1 SIZE:A4		APPROVED BY1: Richard Hsieh	DATE : 2014/12/22	MOLD NO. NA
		APPROVED BY2: Richard Hsieh	DATE : 2014/12/22	DRAW NO. SHEET NO. 2 OF 2