

| REV. | REVISOR NOTE | DATE |
|------|--|------------|
| △2 | ADD Date Code & Part Description | 2013/08/01 |
| △3 | 1.Change LEG Materials: Stainless Steel to Brass; 2.Increase the PCB Layout description | 2013/11/08 |

Notes:

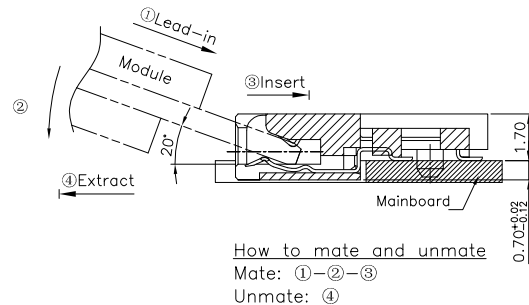
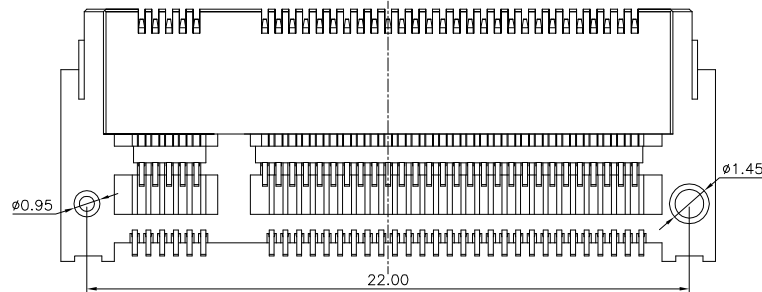
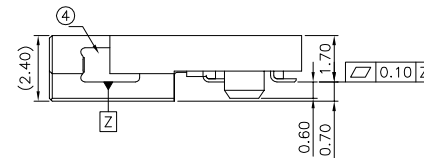
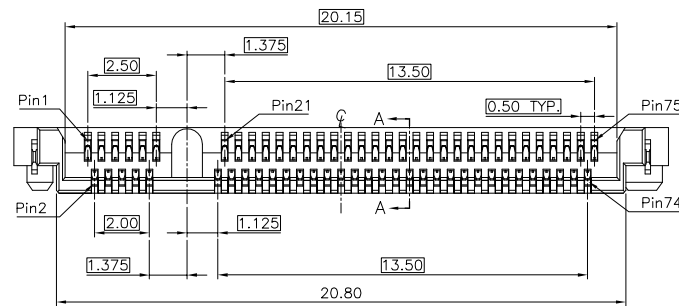
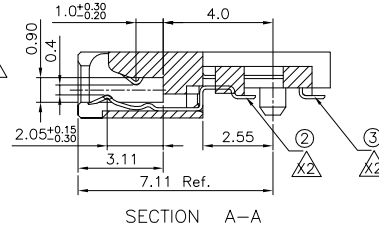
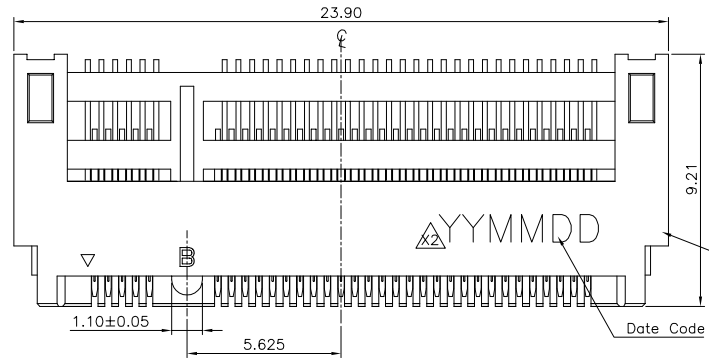
- Materials
 - Housing: LCP,UL94 V-0;
 - Contact: Phosphor Copper,
Gold Plating at mating area & solder tail, all over Nickel;
 - Leg: Brass, G/F at solder area, all over nickel.
- RoHS 2.0 and HF compliant;
- Ratings
 - Voltage Rating: 50V AC (Per pin);
 - Current Rating: 0.5A (Per pin);
 - Operating Temperature: -40°C ~ 80°C;
- Electrical Requirement:
 - LLCR: 55mΩ Max,(Initial), 20mΩ Max. change allowed(Final);
 - Dielectric Withstanding Voltage: 300V AC (RMS) for1 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.
- How to order:

△2 YY MM DD
 Day
 Month
 Year

ULK01-101-1B **
 NGFF Mid-Plane 1.8H,
 STD B key, SMT
 Housing Color:
 0. Black
 1. White
 Contact plating code:
 1. Mating area G/F, Solder tail G/F;
 2. Mating area Au 3u", Solder tail G/F;
 3. Mating area Au 5u", Solder tail G/F;
 4. Mating area Au 10u", Solder tail G/F;
 5. Mating area Au 15u", Solder tail G/F;
 6. Mating area Au 30u", Solder tail G/F;

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

| | | | | | | |
|--|------------|-----------------------|--------------------|---|--|--------------|
| SCALE  | UNIT MM | DRAWN BY Hasin.Tin | DATE 01/17/2014 | 深圳市优联康电子有限公司 | | |
|  | SIZE A4 | CHECKED BY | | TITLE: NGFF Socket (M.2 Connector) Mid-plane 1.8H, STD B key | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) X. ± 0.20 X' ± 1" .XX ± 0.10 .X' ± 0.5" | | APPROVED BY | | DRAWING NO. ULK01-101-1B | | |
| | | | | PART NO. ULK01-101-1B** (See Notes) | | |
| | | | | CUSTOMER DRAWING | | SHEET 1 OF 4 |
|  | | 6 | | 7 | | 8 |



A

B

C

D

E

F

A

B



C

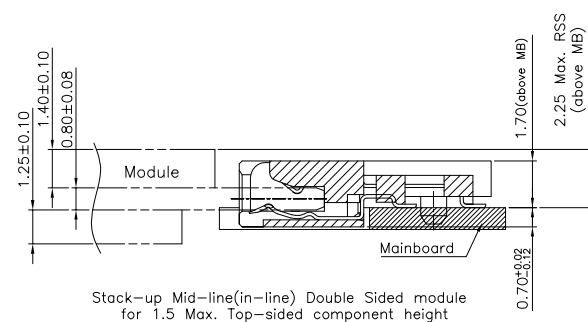
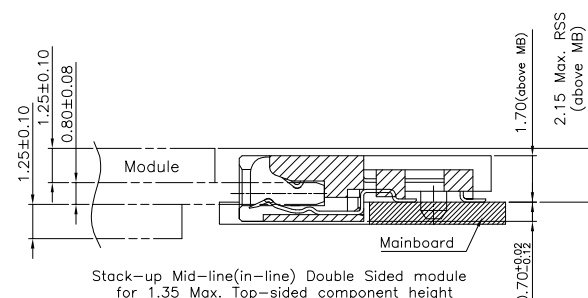
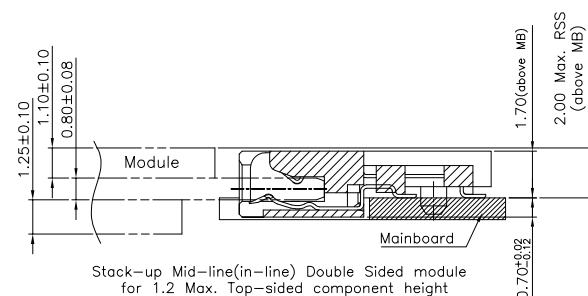
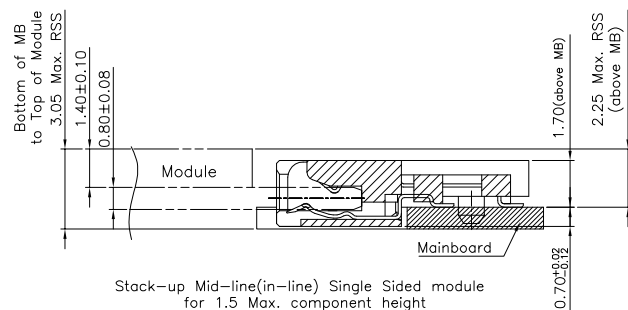
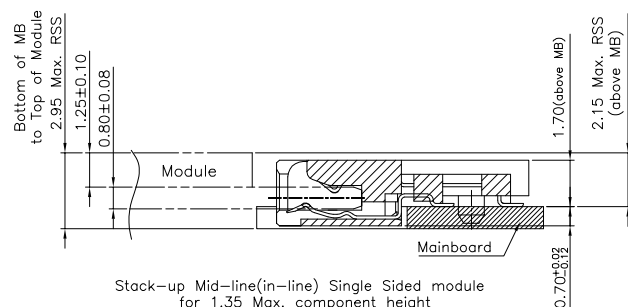
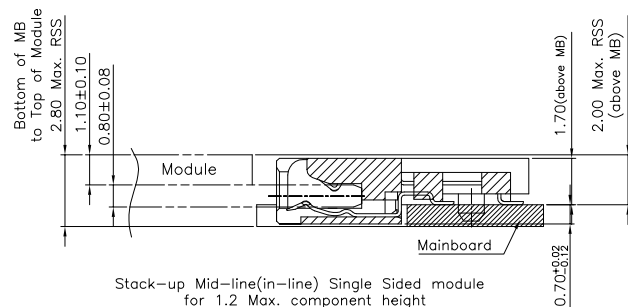
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
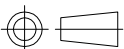

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|  | SIZE A4 | CHECKED BY | DATE | TITLE: Assembly stack height schematic diagram | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) X. ± 0.20 X' ± 1" .XX ± 0.10 .X' ± 0.5" | | APPROVED BY | | DRAWING NO. ULK01-101-1B | | |
| | | | | PART NO. ULK01-101-1B** (See Notes) | | |
| | | | | CUSTOMER DRAWING | SHEET 2 OF 4 | Rev. X3 |
|  | | | | | | |
| | | | 6 | | 7 | 8 |

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