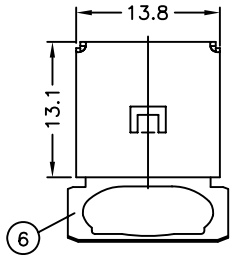
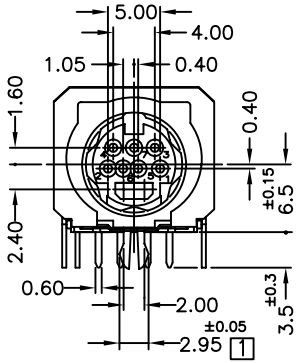
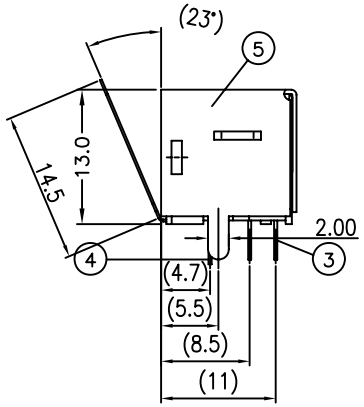
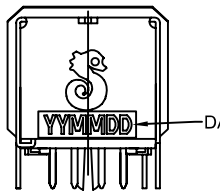
| REV. | ECN NO OR DESCRIPTION | REVISED | DATE |
|---|---|---|---|
| A | PRODUCT RELEASED | CHARLIE | 2009.03.16 |

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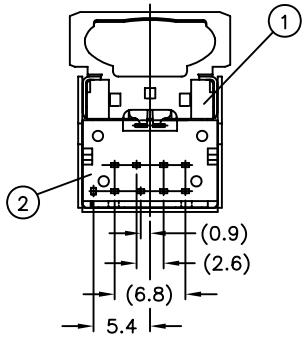


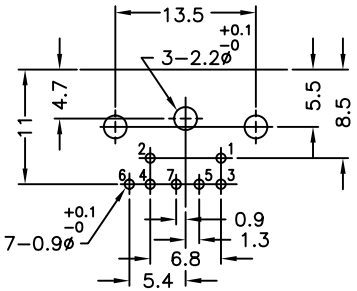


SPECIFICATIONS:

1. CURRENT CARRYING CAPACITY:
   1) AC: 100V 1A MAX.
   2) DC: 12V 3A MAX.
2. CONTACT RESISTANCE:
   1) INITIAL, BEFORE LIFE CYCLE TEST.
      PIN TO CONTACT: 30mΩ MAX.
      PLUG SHIELD TO CONNECTOR: 50mΩ MAX.
   2) AFTER LIFE CYCLE TEST.
      PIN TO CONTACT: 200mΩ MAX.
      PLUG SHIELD TO CONNECTOR: 500mΩ MAX.
3. INSULATION RESISTANCE:
   BETWEEN ANY ADJACENT OPEN CONTACTS SHALL NOT BE LESS THAN 50MΩ AT 250V DC INSULATION RESISTANCE TEST.
4. DIELECTRIC STRENGTH:
   A POTENTIAL OF 250V AC R.M.S. 50/60HZ SHALL BE APPLIED BETWEEN ANY OPEN CONTACTS FOR ONE MINUTE WITHOUT BREAKDOWN.
5. INSERTION FORCE: 5.0Kg MAX.
6. WITHDRAWAL FORCE: 0.8Kg – 4.0Kg.
7. SINGLE CONTACT MAINTENANCE FORCE: 30g MIN. BETWEEN EACH CONTACT AND MATCHING PIN ($0.6^{+0}_{-0.03}$ DIA).
8. LIFE CYCLE TEST:
   CONNECTOR SHALL BE SUBJECT TO 5,000 CYCLES AT 10 TO 20 CYCLES PER MINUTE WITH NO ELECTRICAL LOAD.
9. MARKING: MARK ON REAR OF CONNECTOR.
10. SOLDER HEAT RESISTANCE: 260°C 10 SECS.
11. TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
12. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON JACK: O
13. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
14. FOR LEAD-FREE PROCESS.

| NO | DESCRIPTION | QTY | MATERIAL | PLATING & COLOR |
|---|---|---|---|---|
| F | GROUNDING SPRING | 1 | STAINLESS STEEL 0.2t | |
| E | SHIELDING B | 1 | SPCC 0.4t | TIN(LEAD-FREE) PLATING |
| D | SHIELDING A | 1 | COPPER ALLOY 0.3t | TIN(LEAD-FREE) PLATING |
| C | CONTACT | 7 | COPPER ALLOY 0.3t | GOLD FLASH ON MATING AREA. TIN (LEAD-FREE) PLATING ON SOLDER TAILS, ALL OVER NICKEL PLATING. |
| B | COVER | 1 | HIGH TEMP. THERMOPLASTIC UL 94V-0 | GRAY COLOR(425C) |
| A | BODY | 1 | HIGH TEMP. THERMOPLASTIC UL 94V-0 | GRAY COLOR(425C) |

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS: X :±0.5, X.X :±0.3, X.XX :±0.2
ANGLES: X :±2°, X.X :±1°

Singatron Enterprise Co., Ltd.
信音企業股份有限公司

| | | | | |
|---|---|---|---|---|
| TITLE | MINIATURE DIN CONNECTOR | | | |
| DWN | CHARLIE | PART NO. 2MJ-0555-005 | | |
| CHKD | RYAN | SCALE 2:1 | UNIT: mm | |
| APVD | ROBIN | SIZE: A3 | SHEET: 1OF1 | REV: A |

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文件編號 RD-06-043-A