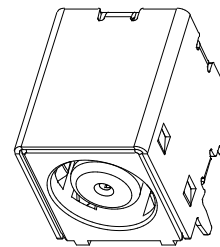


SECTION A-A  
SCALE 1:1



#### SPECIFICATIONS:

##### 1. ELECTRICAL CHARACTERISTICS:

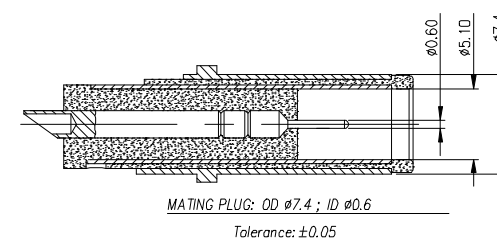
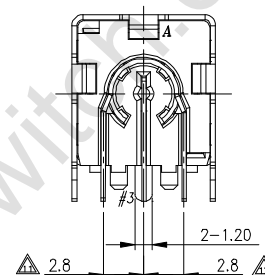
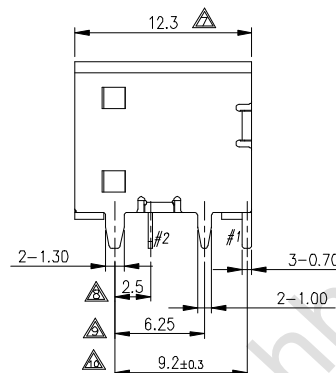
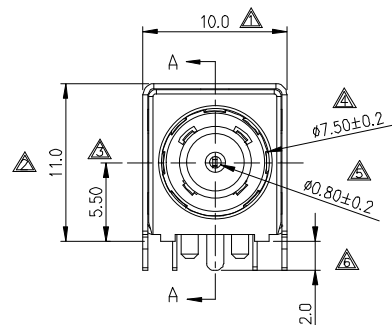
- 1-1. RATING: 42V 10A
- 1-2. CONTACT RESISTANCE: 30m MAX. (INITIAL)
- 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR ONE MINUTE.
- 1-4. INSULATION RESISTANCE: 100M MIN. MEASURED BY 250 VDC

##### 2. MECHANICAL CHARACTERISTICS:

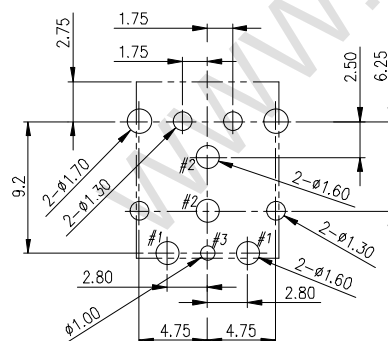
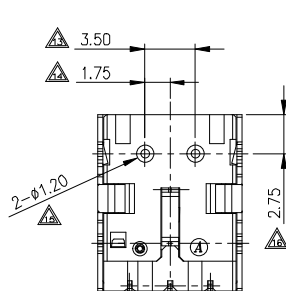
- 2-1. INSERTION FORCE : 3.0 KGF Max.
- 2-2. WITHDRAWAL FORCE : 0.35 KGF Min.

##### 3. LIFE TEST: 5,000 CYCLES MIN.

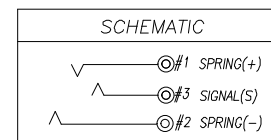
##### 4. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.



MATING PLUG: OD  $\phi 7.4$ ; ID  $\phi 0.6$   
Tolerance:  $\pm 0.05$



RECOMMENDED P.C.B LAYOUT  
TOP VIEW (TOLERANCE:  $\pm 0.05$ )



| NO. | DESCRIPTION | QTY | MATERIAL                 | COLOR        | REMARK                  |
|-----|-------------|-----|--------------------------|--------------|-------------------------|
| F   | SHELL       | 1   | BRASS 0.35T              | —            | Ni 60u"Min              |
| E   | SIGNAL (S)  | 1   | COPPER ALLOY 0.3T        | —            | GOLD FLASH OVER Ni 50u" |
| D   | CONTACT (+) | 1   | COPPER ALLOY 0.3T        | —            | GOLD FLASH OVER Ni 50u" |
| C   | SPRING (-)  | 1   | COPPER ALLOY 0.3T        | —            | GOLD FLASH OVER Ni 50u" |
| B   | COVER       | 1   | HIGH TEMP. THERMOPLASTIC | YELLOW(123C) | UL 94V-0                |
| A   | HOUSING     | 1   | HIGH TEMP. THERMOPLASTIC | YELLOW(123C) | UL 94V-0                |

|          |           |         |              |  |                  |              |
|----------|-----------|---------|--------------|--|------------------|--------------|
| DESIGN   | MISS ZENG | SC ALL  |              |  | TOLERANCE        | ANGLES       |
| DRAWIGN  | MISS LI   | ANIT    | mm           |  | X $\pm 0.50$     | X $\pm 3$    |
| CHECK    | Mr. ZENG  | SIZE    | A4 : 210*297 |  | X.X $\pm 0.30$   | X.X $\pm 2$  |
| APPROVAL |           | VERSION | 01           |  | X.XX $\pm 0.20$  | X.XX $\pm 1$ |
|          |           |         |              |  | X.XXX $\pm 0.10$ |              |

|     |        |
|-----|--------|
| 品名: | DC电源插座 |
| 型号: | DC053  |



东莞市航宏电子科技有限公司  
Dongguan Hanghong Electronics Co., Ltd.