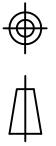


- NOTE:  
 1. MATERIAL:  
 1.1 INSULATOR:PBT UL 94V-0  
 1.2 CONTACT:4P C2680/5P C5191(T=0.20mm)  
 1.3 SHELL:C2680(T=0.30mm)  
 2. ELECTRICAL CHARACTERISTICS:  
 2.1 Current Rating:1.8AMP at 250V AC  
 Voltage Rating:30V  
 2.2 Insulation Resistance:100MΩ Min  
 2.3 Contact Resistance:30mΩ Max  
 2.4 Dielectric Withstanding Voltage:100V AC  
 2.5 OPERATING TEMPERATURE:-40°C ~ 85°C  
 3 MECHANICAL CHARACTERISTICS:  
 3.1 MATING FORCE:35 N Max  
 3.2 UNMATED FORCE:10 N Min INITIAL; 8 N Min AFTER TEST  
 3.3 DURABILITY:1,500 CYCLES  
 4. PLATING:  
 4.1 TERMINAL  
 50U" MIN NICKEL ALL OVER  
 100U" MIN TIN ON SOLDER AREA  
 1~30U" AU ON CONTACT AREA  
 4.2 SHELL:100U" MIN NICKEL ALL OVER

| Pin # | SIGNAL NAME | DESCRIPTION                               | MATING SEQUENCE |
|-------|-------------|---|-----------------|
| 1     | VBUS        | POWER                                     | SECOND          |
| 2     | D-          | USB 2.0 DIFFERENTIAL PAIR                 | THIRD           |
| 3     | D+          | DIFFERENTIAL PAIR                         |                 |
| 4     | GND         | GROUND FOR POWER RETURN                   | SECOND          |
| 5     | SldA_SSRX-  | SUPER SPEED RECEIVER DIFFERENTIAL PAIR    | LAST            |
| 6     | SldA_SSRX+  | DIFFERENTIAL PAIR                         |                 |
| 7     | GND_DRAIN   | GROUND FOR SIGNAL RETURN                  |                 |
| 8     | SldA_SSTX-  | SUPER SPEED TRANSMITTER DIFFERENTIAL PAIR |                 |
| 9     | SldA_SSTX+  | DIFFERENTIAL PAIR                         |                 |
| Shell |             | CONNECTOR METAL SHELL                     | FRIST           |

|      |             |                            |                        |  |
|------|-------------|----------------------------|------------------------|--|
| 4    | HOUSING     | PBT                        | UL94V-0                |  |
| 3    | SHELL       | SPCC or Brass<br>T=0.3mm   | OVEP-PLATING: Ni Or Au |  |
| 2    | 5P TERMINAL | Brass<br>T=0.2mm           | OVEP-PLATING: Au Ni/Sn |  |
| 1    | 4P TERMINAL | Phosphor Bronze<br>T=0.2mm | OVEP-PLATING: Au Ni/Sn |  |
| ITEM | DESCRIPTION | MATERIAL                   | REMARKS                |  |

# Cnc Tech, LLC



-TOLERANCES-  
 UNLESS OTHERWISE SPECIFIED

TITLE: USB 3.0 AP 180度焊线式

|       |        |        |          |        |             |                |
|-------|--------|--------|----------|--------|-------------|----------------|
| X.X   | ± 0.25 | X.X°   | ± 3.00°  | APPD:  | PRODUCT NO: | 1003-006-01200 |
| X.XX  | ± 0.20 | X.XX°  | ± 1.00°  | CHECK: | DATE        | SCALE          |
| X.XXX | ± 0.15 | X.XXX° | ± 0.500° | DRAW:  | 2012/04/06  | 1:1            |
|       |        |        |          |        |             | UNIT           |
|       |        |        |          |        |             | mm             |
|       |        |        |          |        |             | TYPE           |
|       |        |        |          |        |             | Z              |
|       |        |        |          |        |             | PAGE           |
|       |        |        |          |        |             | 1 / 1          |