



1. test conditions:

1. 100% of short circuit, open circuit test & dislocation.
2. Insulation impedance: 100M ohm (MIN) DC 300V.
3. Conduction impedance: 2 ohm (MAX).
4. Withstand voltage test: DC 300V/10ms
5. Real machine test: A.) The measured C correct inverse identification of the hard disk

B.) Measured traffic drives USB3.1 (read and write data in the above 500 MB/S)

| P1                     |        | Pin Assignment |       | P2 |  |
|------------------------|--------|----------------|-------|----|--|
| (A4, B4, A9, B9) VBUS  | RED    |                | 1     |    |  |
| (A7) D-                | WHITE  |                | 2     |    |  |
| (A6) D+                | GREEN  |                | 3     |    |  |
| (A1, B1, A12, B12) GND | BLACK  |                | 4     |    |  |
| (A5) CC                |        |                | NC    |    |  |
| (A3) SSTxn1            | ORANGE |                | 5     |    |  |
| (A2) SSTxpl            | Purple |                | 6     |    |  |
|                        | Drain  |                | 7     |    |  |
| (B10) SSRxn1           | Drain  |                | 8     |    |  |
| (B11) SSRxpl           | BLUE   |                | 9     |    |  |
|                        | YELLOW |                |       |    |  |
| Shell                  | SHIELD |                | Shell |    |  |

|    |                |   |       |      |
|----|----------------|---|-------|------|
| ⑫  | A0040411-00002 | Low pressure molding compound, transparent color, hardness, 40 ~ 48 d   | 1     | g    |
| ⑪  | A0020100-00174 | USB TYPE C-On the tin plating nickel to clamp (one)   | 1     | PCS  |
| ⑩  | A0020100-00175 | USB TYPE C-The tin plating nickel to clamp (one)  | 1     | PCS  |
| ⑨  | A10-R042106    | W=5MM 25u Double conductive copper foil   | 0.02  | M    |
| ⑧  | A10-R075004    | Heat shrinkable casing-φ2.0mm-black   | 0.035 | M    |
| ⑦  | A5-R047011     | transparent PE ROHS LDPE  | 3     | g    |
| ⑥  | A5-R047001     | 45P BLACK PVC ROHS  | 12    | g    |
| ⑤  |                | TYPE C-USB 3.0 C Type Connector With-Empty PCB + patch (56 k resistor)  | 1     | PCS  |
| ④  | A6-R106104     | USB 3.0 A (M) after automatic welding nickel plated iron shell (for wire diameter 5.0 5.5 mm)                                       | 1     | PCS  |
| ③  | A6-R106110     | USB 3.0 A (M) before the automatic welding iron shell plating nickel  | 1     | PCS  |
| ②  | A2-R029103     | USB 3.0 A(M) 9P The three type blue rubber core welding line  | 1     | PCS  |
| ①  | A0010307-00097 | USB3.0~UL2725~[30AWG(7/0.10TC)+EAM]*2P+[30AWG(7/0.10TC)+A]*1P+24AWG(7/0.20TC)*2C+AEB(16/7/0.12TC 85%) OD:4.5MM Black PVC No Marking | 0.5   | M    |
| NO | ITEM           | DESCRIPTION   | Q'TY  | UNIT |

| REV      | ECN  | DESCRIPTION             | DATE   | NAME         |
|----------|------|-------------------------|--|--------------|
|          |      |                         |  |              |
|          |      | TOLERANCE<br>INCHES M/M |  |              |
| .X       | .015 | .30                     |  |              |
| .XX      | .010 | .10                     |  |              |
| .XXX     | .005 | .05                     |  |              |
| DRAWN BY |      | zhouwenlong             | TITLE:<br>USB 3.1 AM TO CM CABLE(10G) L=0.5M |              |
| CHECK BY |      |                         | CUSTOMER :                                   | CPC          |
| APPD BY  |      |                         | CUSTOMER P/N:                                | PSG91479     |
|          |      |                         | SCALE  | NONE         |
|          |      |                         | UNIT   | MM           |
|          |      |                         | DATE   | 2017.05.02   |
|          |      |                         | DRAWING NO:                                  | C06026-00262 |
|          |      |                         | REV  | A01          |
|          |      |                         |  | 1/2          |