

NOTES:

- 1.ELECTRICAL AND MECHANICAL CHARACTERISTICS MEET USB3.0 STANDARD
- 2.DIMENSIONS ARE IN MILLIMETERS. BRACKETED DIMENSIONS ARE INCHES EQUIVALENTS.
- 3.MEET USB3.0 STANDARD SPECIFICATION
- 4.RECOMMEND PROCESS: WAVE SOLDER 260°C.3~5SECONDS
- 5.THE CONNECTOR IS ROHS COMPLIANT AND HALOGEN FREE

PIN ASSIGNMENT:

| PIN NO.     | 1                | 2  | 3  | 4   | 5                | 6          | 7         | 8          | 9          |
|-------------|------------------|----|----|-----|------------------|------------|-----------|------------|------------|
| Signal name | VBUS             | D- | D+ | GND | StdA_SSRX-       | StdA_SSRX+ | GND_DRAIN | StdA_SSTX- | StdA_SSTX+ |
| Remark      | USB2 Contact pin |    |    |     | USB3 Contact pin |            |           |            |            |

RECOMMENDED P.C.B LAYOT (COMPONENT SIDE)

PCB THICKNESS:±0.05  
DEF AULT TOLERANCE:±0.05

|     |                 |     |                        |                                                     |
|-----|-----------------|-----|------------------------|-----------------------------------------------------|
| ⑧   | ORGAINZER       | 1   | THERMCPLASTIC UL 94V-0 | MOLDED COLOR:BLUE(PANTONE:300C)                     |
| ⑦   | REAR SHELL      | 1   | IRON ALLOY             | Ni PLATING OVERALL                                  |
| ⑥   | GROUND FINGER   | 1   | COPPER ALLOY           | Ni PLATING OVERALL                                  |
| ⑤   | USB2 CONTACT    | 8   | COPPER ALLOY           | Au:30u"AT CONTACT AREA.LEAD FREE TIN ALLOY          |
| ④   | USB3 CONTACT    | 10  | COPPER ALLOY           | AT TERMINATION.NICKEL UNDERPLATING OVER ALL         |
| ③   | INNER INSULATOR | 2   | THERMCPLASTIC UL 94V-0 | MOLDED COLOR:BLUE(PANTONE:300C)                     |
| ②   | FRAME           | 1   | THERMCPLASTIC UL 94V-0 | MOLDED COLOR:BLUE(PANTONE:300C)                     |
| ①   | SHELL           | 1   | COPPER ALLOY           | NICKEL PLATED OVERALL.KINK WITH LEAD FREE TIN ALLOY |
| NO. | DESCRIPTION     | QTY | MATERIAL               | TREATMENT                                           |

RoHS Compliant

TOLERANCES ARE

**MORETHANALL**  
PCB CONNECTORS  
Cable ASSEMBLIES

DRAWING BY CY

CHECKED BY GENIUS

UNIT / mm

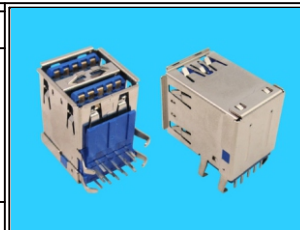
SCALE 1 : 1

DATE

SIZE A4

PPOJECTION

X. ±  
.X ±  
.XX ±  
.XXX ±  
ANG ±



ORDER INFORMATION

USB31-FRS11BL-9A-LF

SERIES | | | | | LEADFREE  
9 PIN A TYPE  
FEMALE | | | | | BLUE  
11.88mm  
SPRING  
DIP 90°

DESCRIPTION: USB 3.0雙層90度

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