

Dept

Qty

DC1

ED1

IE1

ISO1

PD1

R&D1

SD1

QA1

QC1

QE1

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17.5

14.5

12.50

8.50

4.13

15.6

15.5

2.70

5.68

9.64

13.14

8.00

4.00

18.00.70

4.02.30

5.68

9.64

7.00

2.00

3.50

5.20

6.70

2.00

PCB EDAAE

Recommend PCB layout

Tolerance:±0.05

8.00

4.00

6.70

5.20

3.50

2.00

7.00

2.00

REV.

DESCRIPTION

DRAWN

CHECKED

APPROVED

A

NEW RELEASE

YCH 03/16/12'

LJC 09/04/10'

B

DRAWING UPDATE

JLZ 03/23/17'

C

DRAWING UPDATE

JLZ 12/08/23'

D

DRAWING UPDATE

JLZ 10/30/25'

Notes:

Specifications:

1. Contact Resistance: Contact resistance: 30mΩ(max.) Initial for VBUS and GND contacts. 50mΩ(max.) Initial for all other contacts.

2. Insulation Resistance: 1000MΩ Min.

3. Dielectric Withstanding Voltage: 100V AC(rms) For 1 Minute.

4. Current Rating:1.8A for VBUS PIN and its corresponding GND PIN. 0.25A (Min.) For all other contacts

5. Voltage Rating:30V Max

6. Temperature: -40°C~~85°C.

Materials:

1. Contact Material: Copper Alloy.

2. Shell Material: Steel.

3. Insulator Material: Thermoplastic.

Product Number Code:

DS1096-01 - X X X

Contact plating

0: Selective Gold Flash

03: Selective Gold 3u"

30: Selective Gold 30u"

Shell plating

N: Nickel

Color of housing:

L: Blue

W: White

B: Black

Pin #

Signal name

Description

Mating sequence

1&10

VBUS

Power

Second

2&11

D-

USB 2.0

Third

3&12

D+

Differential pair

4&13

GND

Ground for power return

Second

5&14

StdA_SSRX-

Superspeed receiver differential pair

Last

6&15

StdA_SSRX+

7&16

GND_DRAIN

Ground for signal return

8&17

StdA_SSTX-

Superspeed transmitter differential pair

9&18

StdA_SSTX+

Shell

Shield

Connector metal shell

Frist

GENERAL TOLERANCE

ANGLE TOLERANCE

X. ±0.60

X. ±5°

.X ±0.38

.X ±3°

.XX ±0.25

.XX ±2°

DRAWING TYPE

CUSTOMER

SCALE

1:1

SHEET

1 OF 1

DRAWING NO.

C-DS1096-01-XXX-D

PROJECTION

UNIT

SHEET SIZE

TITLE

SERIES

mm

A4

USB 3.0 Stack 18 Pin Female Right Angle Type

DS1096-01 SERIES

晨翔电子有限公司

CONNFLY CONNLY ELECTRONIC CO. LTD

(Series Image-Reference Only)