

|   |      |     |
|---|------|-----|
| A | Dept | Qty |
|   | DC   | 1   |
|   | ED   | 1   |
|   | IE   | 1   |
| B | ISO  | 1   |
|   | PD   | 1   |
|   | R&D  | 1   |
|   | SD   | 1   |
|   | QA   | 1   |
|   | QC   | 1   |
|   | QE   | 1   |
|   |      |     |

NOTE:

1.1. Housing: high temperature resistant plastic UL 94 V-0

1-3. Shell: Stainless steel

2-1. Current rating:2.0A  
Voltage rating:5.0V

Vbus & Gnd pins and other pins: 40mΩ/Pin Max.

2-3 Insulation resistance: 100MΩ Min

3.Environmental performance:

4-1. The peak temperature on the board shall

5.Product number code:

[illegible]

|  |  |  |  |  |                  |
|--|--|--|--|--|------------------|
|  |  |  |  |  | R. Tape Off Reel |
|  |  |  |  |  | Shell Plating    |

|  |  |  |  |               |
|--|--|--|--|---------------|
|  |  |  |  | Housing color |
|--|--|--|--|---------------|

|  |  |                 |
|--|--|-----------------|
|  |  | Contact Plating |
|  |  | 8: Gold flash   |

|  |  |               |
|--|--|---------------|
|  |  | Mounting type |
|  |  | 2 - SMT *     |

Connector type  
F: Female

16: 16pin

|           |            |  |       |                                 |
|-----------|------------|--|-------|---------------------------------|
| TOLERANCE | PROJECTION |  | TITLE | USER: E. J. ... DATE: E. J. ... |
|-----------|------------|--|-------|---------------------------------|

|     |            |    |                              |                  |
|-----|------------|----|------------------------------|------------------|
| ±5° | UNITS      | mm | Type E=0.5mm Centre H=1.55mm |                  |
|     | SHEET SIZE |    | SERIES                       | PG1111 G1 SERIES |

昌翔电子有限公司

1 OF 2  
CONNELLY CONNELLY ELECTRONIC CO. LTD

5                  |                  6                  |                  7                  |                  8



|                   |                 |            |                                                                                       |       |                                      |
|-------------------|-----------------|------------|---------------------------------------------------------------------------------------|-------|--------------------------------------|
| GENERAL TOLERANCE | ANGLE TOLERANCE | PROJECTION |  | TITLE | USB Type-C 16P Female Horizontal SMT |
|-------------------|-----------------|------------|---------------------------------------------------------------------------------------|-------|--------------------------------------|

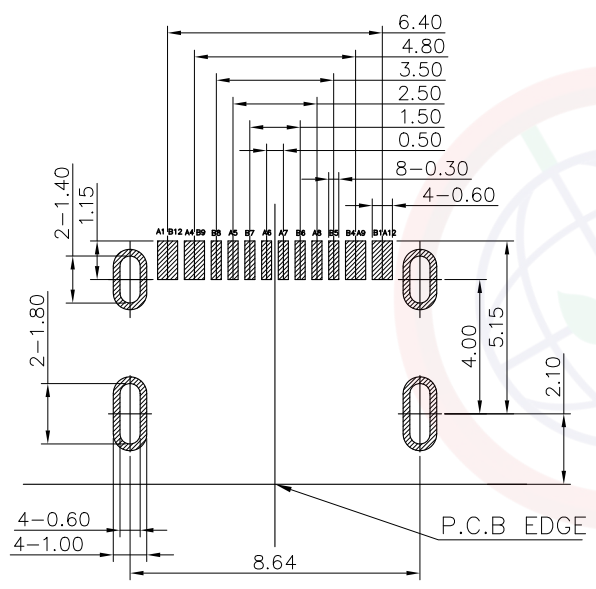
|           |            |           |           |            |    |        |                  |
|-----------|------------|-----------|-----------|------------|----|--------|------------------|
| $\lambda$ | $\pm 0.80$ | $\lambda$ | $\pm 5$   |            |    |        |                  |
| $\lambda$ | $\pm 0.38$ | $\lambda$ | $\pm 3^*$ | SHEET SIZE | A4 | SERIES | DS1144-64 SERIES |

|              |          |                                                                                                |
|--------------|----------|------------------------------------------------------------------------------------------------|
| DRAWING TYPE | CUSTOMER |  豐翔電子有限公司 |
|--------------|----------|------------------------------------------------------------------------------------------------|

|             |                      |                                    |
|-------------|----------------------|------------------------------------|
| DRAWING NO. | C-DS1144-64-XXXXXX-B | CONNFLY CONNFLY ELECTRONIC CO. LTD |
|-------------|----------------------|------------------------------------|

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| Dept | Qty |
|------|-----|
| DC   | 1   |
| ED   | 1   |
| IE   | 1   |
| ISO  | 1   |
| PD   | 1   |
| R&D  | 1   |
| SD   | 1   |
| QA   | 1   |
| QC   | 1   |
| QE   | 1   |



Recommend PCB layout  
(Tolerance:±0.05)

USB Type-C Pin Assignments

| Pin Number | Signal Name | Pin Number | Signal Name |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A4         | VBUS        | B9         | VBUS        |
| A5         | CC1         | B8         | SBU2        |
| A6         | Dp1         | B7         | Dn2         |
| A7         | Dn1         | B6         | Dp2         |
| A8         | SBU1        | B5         | CC2         |
| A9         | VBUS        | B4         | VBUS        |
| A12        | GND         | B1         | GND         |

| REV. | DESCRIPTION    | DRAWN         | CHECKED | APPROVED |
|------|----------------|---------------|---------|----------|
| A    | NEW RELEASE    | JLZ 01/18/21' |         |          |
| B    | DRAWING UPDATE | JLZ 04/27/23' |         |          |
|      |                |               |         |          |
|      |                |               |         |          |

- NOTE:
- Material specification:
    - Housing:High temperature resistant plastic,UL94 V-0.
    - Contacts:Copper alloy
    - Shell: Stainless steel
  - Electrical performance:
    - Current rating:2.0A  
Voltage rating:5.0V
    - LLCR:  
Vbus & Gnd pins and other pins: 40mΩ/Pin Max.  
Shield: 50mΩ/Max.  
LLCR Max. Change of all pins: 10mΩ.
    - Insulation resistance: 100MΩ Min
    - Dielectric withstand voltage,AC 100V for 1 minute.
  - Environmental performance:
    - Operating temperature: -25°C~+85°C.
  - Ir reflow:
    - The peak temperature on the board shall  
Be maintained for 10 seconds at 260°C.
  - Product number code:  
DS1144-64 - X X X X X X 0
- Packing Type  
R: Tape On Reel
- Shell Plating  
N: Full Nickel
- Housing color  
B: Black
- Contact Plating  
8: Gold flash  
C: 3u" gold
- Mounting type  
S: SMT type
- Connector type  
F: Female
- No. of contacts  
16: 16pin

| GENERAL TOLERANCE |                      | ANGLE TOLERANCE |        | PROJECTION | TITLE | USB Type-C 16P Female Horizontal SMT<br>Type L=6.5mm Centre-H=1.68mm |                  |
|-------------------|----------------------|-----------------|--------|------------|-------|----------------------------------------------------------------------|------------------|
| X.                | ±0.60                | X.              | ±5°    | UNITS      | mm    |                                                                      |                  |
| .X                | ±0.38                | .X              | ±3°    | SHEET SIZE | A4    | SERIES                                                               | DS1144-64 SERIES |
| .XX               | ±0.25                | .XX             | ±2°    |            |       |                                                                      |                  |
| DRAWING TYPE      | CUSTOMER             |                 |        |            |       |                                                                      |                  |
| SCALE             | 1:1                  | SHEET           | 2 OF 2 |            |       |                                                                      |                  |
| DRAWING NO.       | C-DS1144-64-XXXXXX-B |                 |        |            |       |                                                                      |                  |

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