

| REV. | ECN | DESCRIPTION | MDF'D | DATE |
|------|-----|-------------|-------|------|
|      |     | 新订图面        |       |      |

## 规格说明 Specifications:

### 1. 电气特性 Electrical:

额定电压(Rated voltage): 5V DC

额定电流(Rated current): 3A VBUS引脚;

1.25A用于GND引脚, 其他引脚为0.25A.

接触电阻(Contact resistance): 40mΩ Max

测试条件:20mv, 100mA下测量.

绝缘电阻(Insulation resistance): 100MΩ Min

耐电压(Withstand Voltage): 100V AC

### 2. 机械性能 Mechanical:

插入力(Mate force): 0.5-2.0Kg

拔出力(Unmate force): 0.6-2.0Kg

插拔次数(Durability): 5000 Cycles.

### 3. 材料 Material:

胶芯(Housing): LCP UL94 V-0

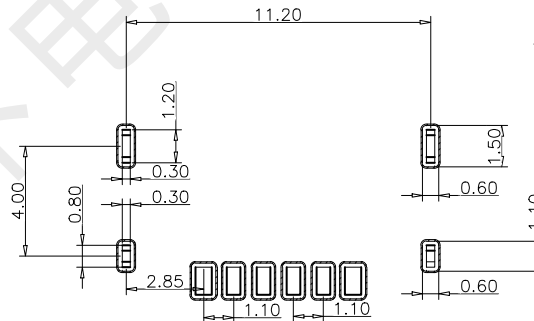
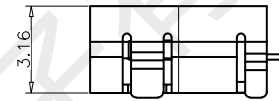
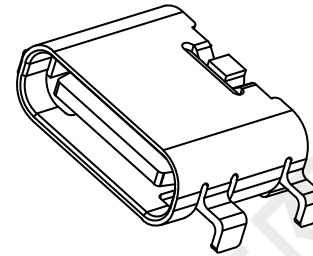
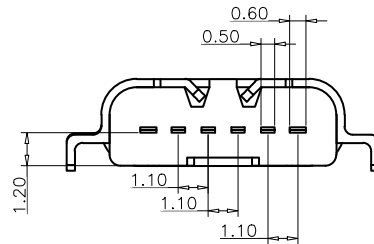
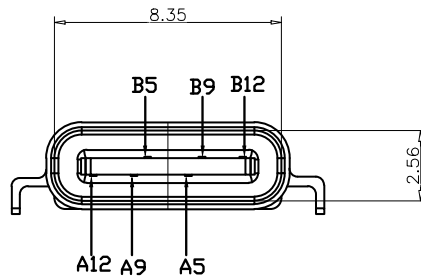
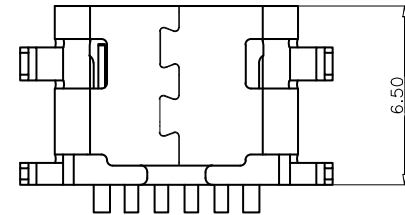
端子(Contact): C2680, T=0.2mm; 镍底, 镀金

外壳(Shell): 不锈钢201-H 表面镀镍

### 4. 温度范围(Temperature Range): -30℃ to +80℃.

USB TYPE C PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
|            |             | B12        | GND         |
|            |             | B9         | VBUS        |
| A5         | CC1         |            |             |
|            |             | B5         | CC2         |
| A9         | VBUS        |            |             |
| A12        | GND         |            |             |



RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)  
TOLERANCE FOR PCB LAYOUT IS ±0.05

TABLE:

| NO | PART            | Q'TY | Material                           |
|----|-----------------|------|------------------------------------|
| 1  | SHELL           | 1    | ZINC ALLOY, NI30u"Min PLATED       |
| 2  | CONTACT         | 6    | C2680, TIN80u"/Au1u"/NI30u" PLATED |
| 3  | 1MD HOUSING     | 1    | LCP UL94 V-0 BLACK                 |
| 4  | CAP             | 1    | LCP UL94 V-0 BLACK                 |
| 5  | WATERPROOF RING | 1    | SILICONE UL94 V-0 BLACK            |



|              |                     |              |             |               |     |
|--------------|---------------------|--------------|-------------|---------------|-----|
| 品名 (ITEM NO) | HX TYPE-C 6P CB 1.2 | 页码 (SHEET)   | 1           | 单位 (UNIT):    | MM  |
| 料号 (PART NO) |                     | 版本 (REV)     | A1          | 比例 (SCALE)    | 1:1 |
| 图号 (DWG NO)  | A1                  | 日期 (DATE)    | 2020. 7. 17 | 设计 (DESIGN)   | 黄彬  |
|              |                     | 审核 (CHECKED) | 张伟          | 核准 (APPROVED) | 罗小春 |

| TOLERANCE UNSPECIFIED |       |
|-----------------------|-------|
| X.X                   | ±0.20 |
| X.XX                  | ±0.15 |
| X.XXX                 | ±0.10 |
| X°                    | ±5°   |
| X.X°                  | ±2°   |