

A

B

C

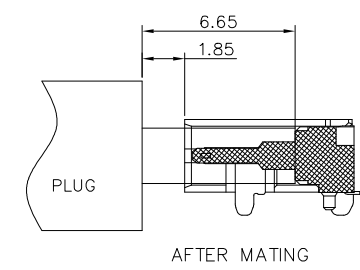
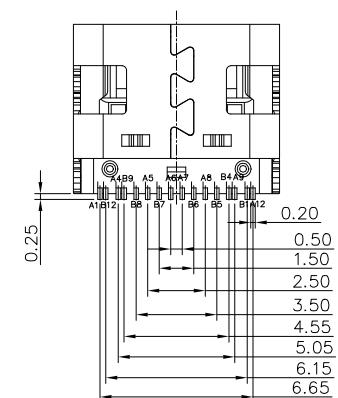
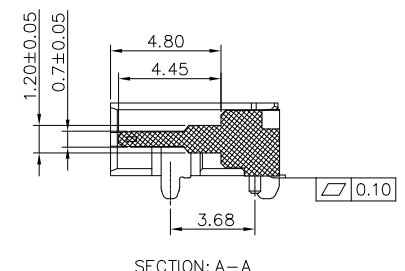
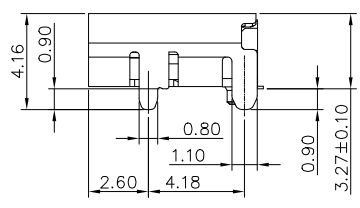
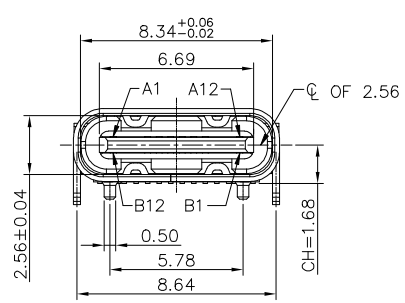
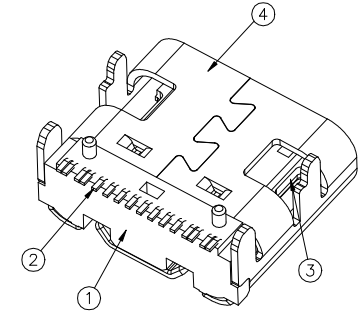
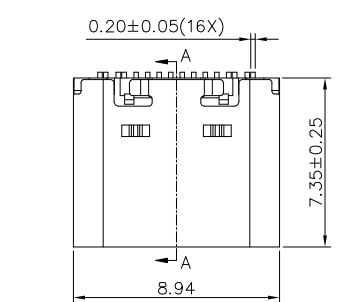
D

A

B

C

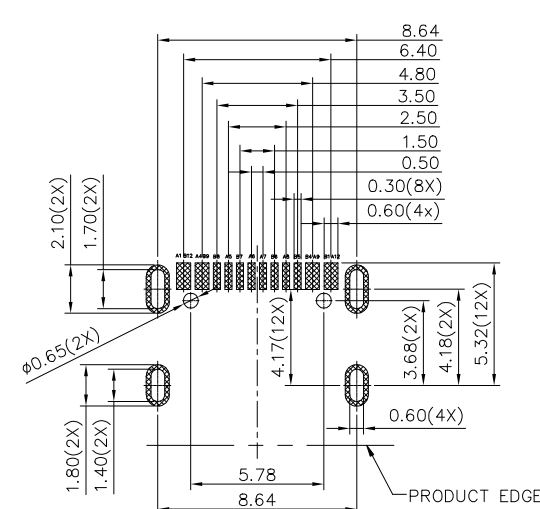
D



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 |

- NOTE:
- MECHANICAL PERFORMANCE:
1-1.INSERTION FORCE: 0.5~2.0kgf.
1-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
1-3.DURABILITY: 10000 CYCLES.
 - ELECTRICAL PERFORMANCE:
2-1. CURRENT RATING: 5.0A(CONTACT MATERIAL IS C1814)
3.0A(CONTACT MATERIAL IS SPECIAL MATERIALS)
VOLTAGE RATING: 5.0V
2-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ
2-3.INSULATION RESISTANCE: 100MΩ MIN
2-4.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 SPECIFICATION: GS-12-1613.



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

10155435-000 X X LF
PACKAGING
1. TAPE AND REEL
CONTACT PLATING
1. GOLD FLASH
2. 30u" Au
3. 15u" Au

| | | | | | | | | | | |
|-------------|---------------|----|------------|---------------------------------------|---------------|------------|-------------------------------|--|--|--|
| mat'l. code | | | | surface | tolerance | projection | product family | | | |
| | | | | ISO 1302 | ISO 406 | ISO 1101 | HPL 511 | | | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | title | | | |
| C | ELX-N-37846-1 | YY | 2020/07/30 | angles | .0±.35 | mm | USB Type C Female | | | |
| | | | | linear | .00±.25 | | R/A SMT 16Pin | | | |
| | | | | 0°±2° | .000±.15 | scale 1:1 | dwg no | | | |
| | | | | dr | Yuan-Yuan Bao | 2020/07/30 | sheet 1 of 1 | | | |
| | | | | engr | Yuan-Yuan Bao | 2020/07/30 | 10155435 | | | |
| | | | | chr | Li-Qing Lei | 2020/07/30 | A3 | | | |
| | | | | appd | Tim Yao | 2020/07/30 | type Product Customer Drawing | | | |
| sheet index | revision | | | | | | | | | |
| | sheet | | | | | | | | | |