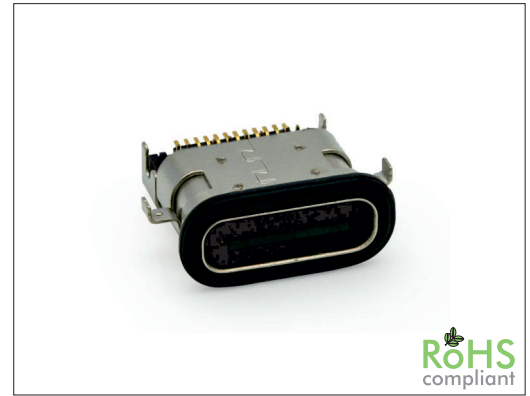


General specifications

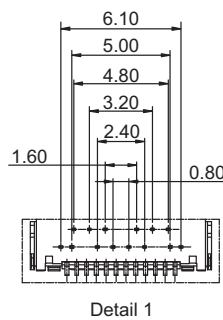
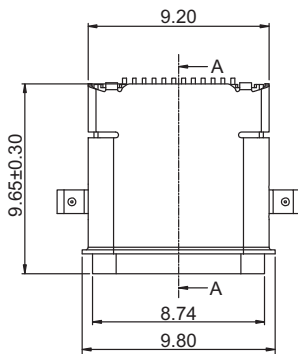
| | |
|---------------------------|---|
| Insulator material | PA46, color: black |
| Contact material | Copper alloy |
| Current rating | 5 A combined at 4 VBus pin, 1.25 A at VCONN pin, 0.25 A at all other pin |
| Voltage rating | 20 V AC/DC |
| Insulator resistance | 100 MΩ min. |
| Dielectrical withstanding | 100 VAC for 1 min |
| Operating temperature | -40 °C to +105 °C |
| Durability | 10000 cycles |
| Soldering | JEDEC lead free reflow soldering process |

Mating parts series

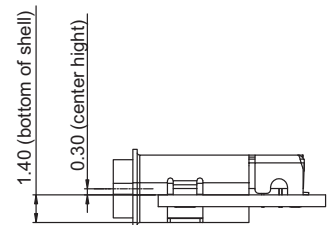
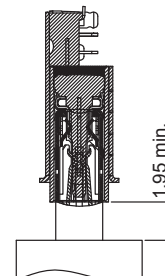
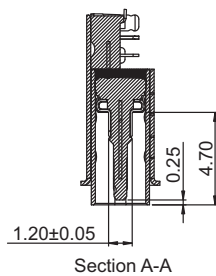
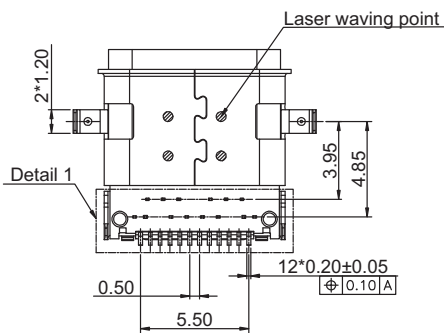
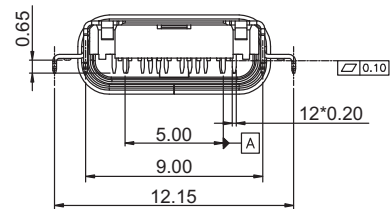
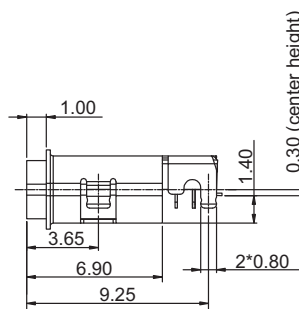
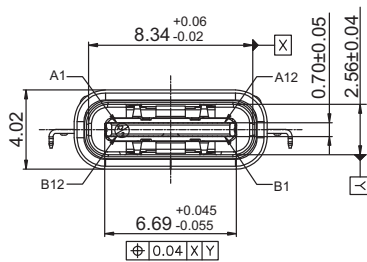


Mechanical dimensions

Unit: mm



| Pin no. | Signal name | Pin no. | Signal name |
|---------|-------------|---------|-------------|
| A1 | GND | B12 | GND |
| A2 | SSTXp1 | B11 | SSRXp1 |
| A3 | SSTXn1 | B10 | SSRXn1 |
| A4 | Vbus | B9 | Vbus |
| A5 | CC1 | B8 | SBU2 |
| A6 | Dp1 | B7 | Dn2 |
| A7 | Dn1 | B6 | Dp2 |
| A8 | SBU1 | B5 | CC2 |
| A9 | Vbus | B4 | Vbus |
| A10 | SSRXn2 | B3 | SSTXn2 |
| A11 | SSRXp2 | B2 | SSTXp2 |
| A12 | GND | B1 | GND |



| Tolerances | | |
|------------|-----|--------|
| Linear | X | ± 0.30 |
| | .XX | ± 0.20 |

Part numbering guide

3838 S

Series
S = Socket

F

Contact plating
F = 15 μ² selective gold

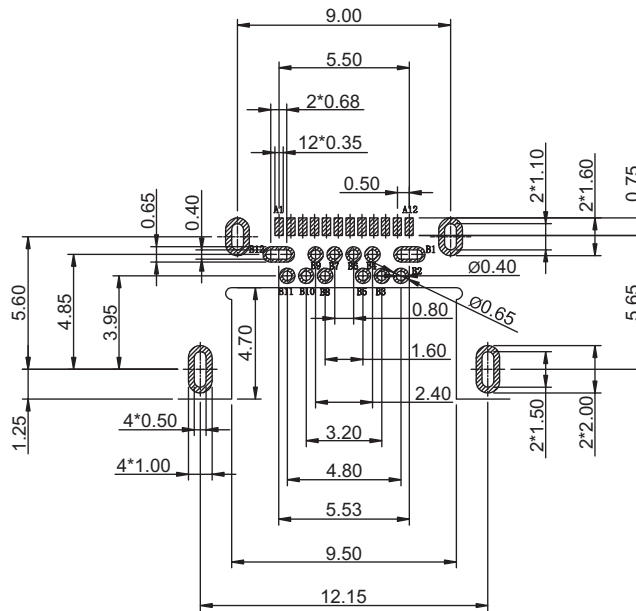
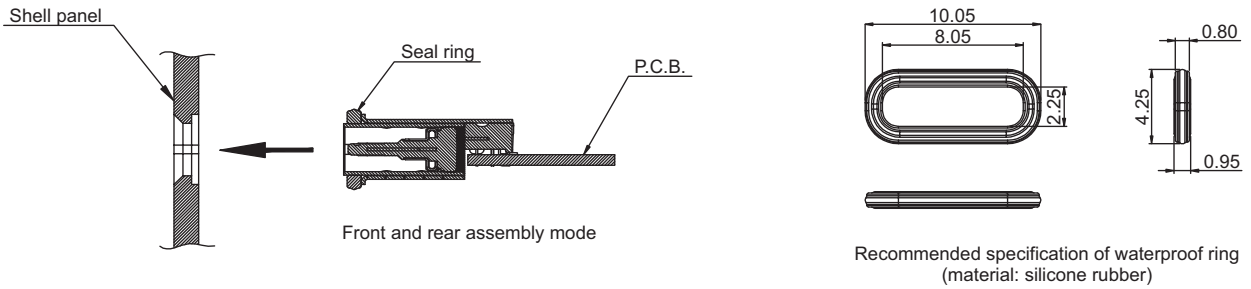
R

Packing
R = Reel

* standard



Unit: mm



Recommended P.C.B. layout
tolerances: ± 0.05 , thickness: 0.60

| Tolerances | |
|------------|-----------------|
| Linear | X ± 0.25 |
| | .XX ± 0.20 |
| | .XXX ± 0.10 |

