



# **JST**

**France**

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# USB TYPE – C CONNECTORS

USB TYPE-C REVERSABLE MATING I/O CONNECTORS PROVIDE ONE-SOLUTION FOR DATA, POWER & AUDIO/VIDEO CONNECTIONS THAT ALLOW FASTER SPEEDS & INCREASED POWER

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SMT

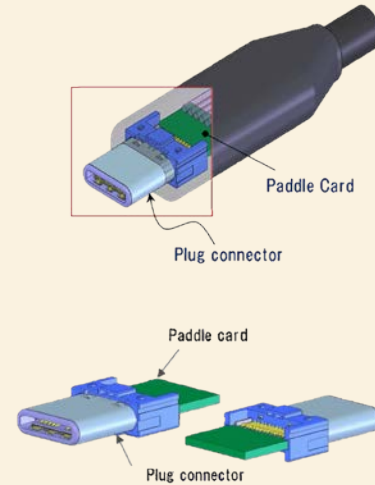
## USB TYPE-C : Plug

Enables supporting high speed transmission: 10Hbps Max  
Features a reversible plug

- USB Type-C Impedance:  $85 \pm 90 \Omega$
- Connector strength against bending

### General specifications:

- N° of circuits : 24
- Current rating :
  - Power 5.0A AC,DC
  - Signal 0.25 A AC, DC
- Voltage rating : 20V AC, DC
- Temperature :  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Paddle card thickness :  $t=0.8\text{mm}$



SMT

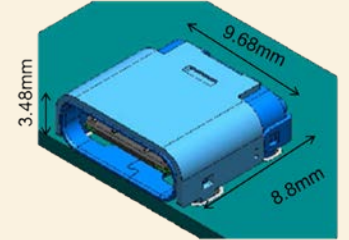
## USB TYPE-C : On Board

Enables supporting high speed transmission: 10Hbps Max & providing power supply 5A Max  
Features a reversible plug orientation

- Easy assembly
- Robust structure

### General specifications:

- N° of circuits : 24
- Current rating :
  - 1.25 A/Pins (DC)      Vbus & GND & CC1 & CC2 circuits
  - 0.25 A/Pins (DC)      Other circuits
- Voltage rating : 20V AC, DC
- Temperature :  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$



SMT

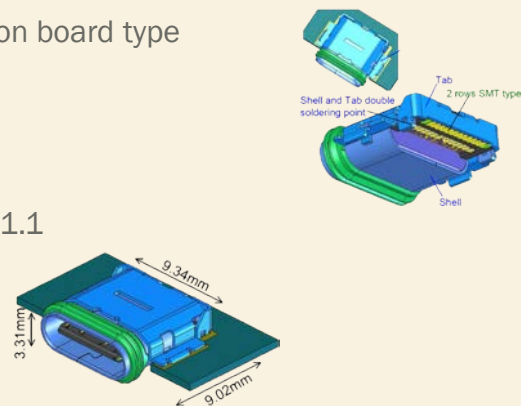
## USB TYPE-C : Dust / Waterproof type

Target dust/water proof performance: over IP67  
Target high speed transmission 10 Gbps and power feeding (max 100W)  
Reversible mated plug

- Dust/Waterproof performance (over IP67) gasket fills the gap between chassis & connector
- Offset height variation: mid-mount or on board type
- Robust design
- 2rows SMT type

### General specifications:

- Compliant standard of USB Type-C ver1.1
- N° of circuits : 24
- Current rating : Max. 5A AC, DC
- Voltage rating : 20V AC, DC
- Temperature range:  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$



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## USB TYPE-C : Non splash proof type

Space saving in consideration of splash proof type

- Target market
- Offset height variation :  $-0.15\text{mm}$  to  $+0.35\text{mm}$  in the same structure
- Space saving: total connector length is 7.95mm
- Splash proof type has Gasket & O-ring

### General specifications:

- Compliant standard of USB Type-C ver1.1
- N° of circuits : 24
- Current rating : Max. 5A AC, DC
- Voltage rating : 20V AC, DC
- Temperature range:  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

