

# USB Type-C Receptacle

## SMT + Dip Type, HF, with Spring



### Specifications:

#### Mechanical

Insertion Force : 5N to 20N  
 Withdrawal Force : 8N to 20N  
 After 10,000 cycles mating : 6N ~ 2N Min.

#### Electrical

Applied current (requirement)

VBUS Pin: 5A  
 GND Pin: 6.25A  
 VConn Pin: 1.25A  
 Other Contacts: 0.25A

Withstanding Voltage : 100V AC for 1 minute.

Insulation Resistance : 100MΩ Min.

Contact Resistance : Initial: 40mΩ Max.  
 After Test: 50mΩ Max.

Shell Plating : Nickel Plated

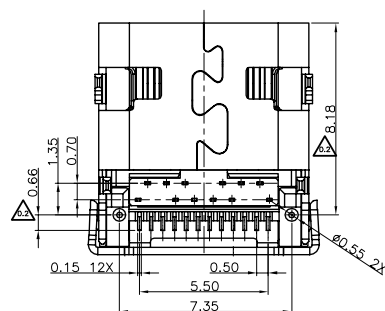
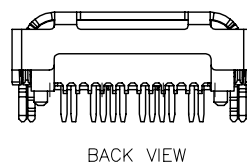
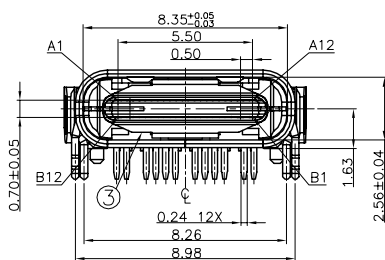
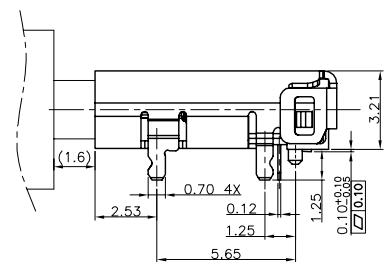
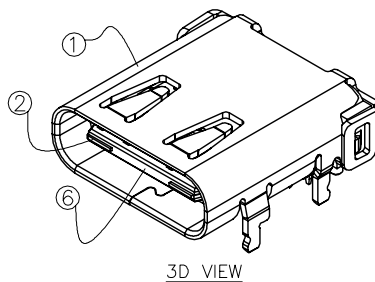
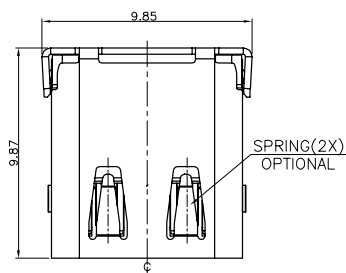
Contact Plating : Contact Area: Au 1μ", Solder Area: Gold Flash

#### Environmental

Operation Temperature : -25°C to +85°C

**RoHS  
Compliant**

### Diagram



Centre Height H=1.63mm, Dip L=1.25mm

No.	Name	Material	Qty.
1.	Shell	SUS	1
2.	Latch	SUS	1
3.	EMI	SUS	1
6.	Latch Housing	Thermoplastic, UL94V-0	1

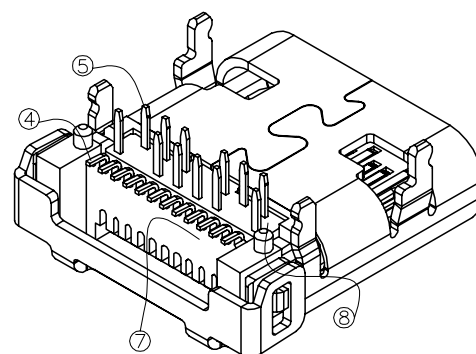
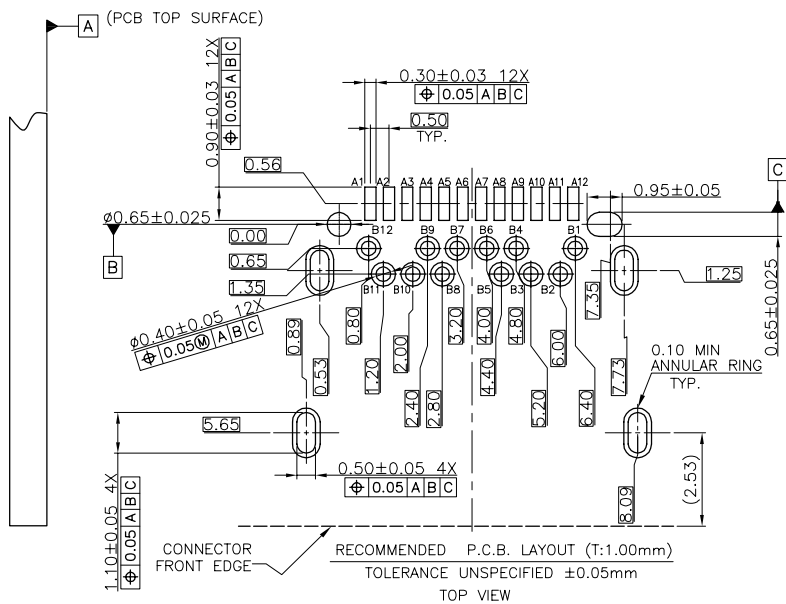
Dimensions : Millimetres

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## SMT + Dip Type, HF, with Spring



Dimensions : Millimetres

No.	Name	Material	Qty.
4.	SMT Connector	Copper Alloy	12
5.	DIP Connector	Copper Alloy	12
7.	SMT Housing	Thermoplastic, UL94V-0	1
8.	DIP Housing	Thermoplastic, UL94V-0	1

### Part Number Table

Description	Part Number
USB Type-C Receptacle, w/ Spring, 24 Position, SMT +TH, Black	MC001002

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