# USB 4.0 Type-C Receptacle multicomp

### **Specifications**

Material:

Insulator : Thermoplastic, rated UL 94V-0

Insulator colour : Black
Contacts : Copper Alloy

Shell : Stainless Steel, Nickel plated Mid Plate : Stainless Steel, Nickel plated

EMI Shell : Stainless Steel

Plating : 30u" Gold over Nickel underplate on contact area

Gold Flash over Nickel underplate on solder tails

**Electrical:** 

Voltage Rating : 30V AC max. Insulation resistance :  $100M\Omega$  min

Current rating : 5A max for VBUS and GND

0.9A max for all ther pin

Insulation Resistance :  $100M\Omega$  min.

Dielectric withstanding voltage : 100V AC for 1 minute

LLCR : VBUS & GND Pins and other Pins :  $40m\Omega/Pin$  max.

Shell: 50mΩ/,ax

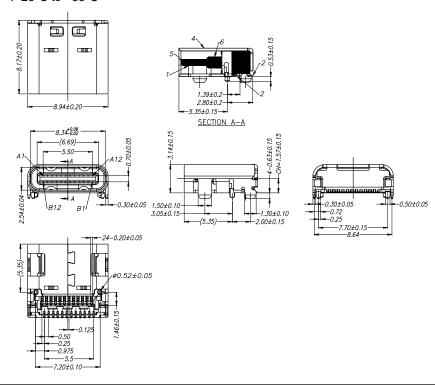
LLCR max. Change of all Pins :  $10m\Omega$ 

Mechanical:

Inseration : 5 to 20N Extration : 8 to 20N

Mating cycles : 10,000 insertions
Temperature Rating : -25°C to +85°C

### Diagram



Dimensions : Millimetres

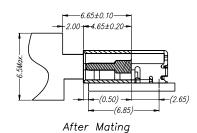
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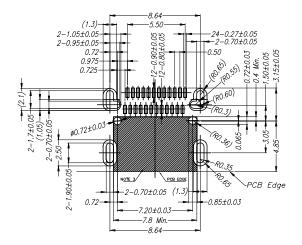


RoHS

**Compliant** 

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RECOMMENDED PCB LAYOUT

#### Pin Assignments

Pin Number	Signal Name	Pin Number	Signal Name
A1	GND	B12	GND
A2	TX1+	B11	RX1+
А3	TX1-	B10	RX1-
A4	VBUS	В9	VBUS
A5	CC1	B8	VBUS
A6	D+	В7	D-
A7	D-	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RX2-	В3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND

#### **Part Number Table**

Description	Part Number
USB 4.0 Type-C Receptacle, R/A, 40Gbps, Black	MP011016

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