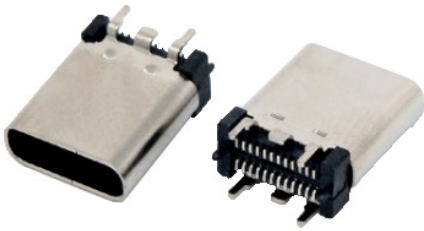


# USB 3.1 Type C Receptacle Upright SMT

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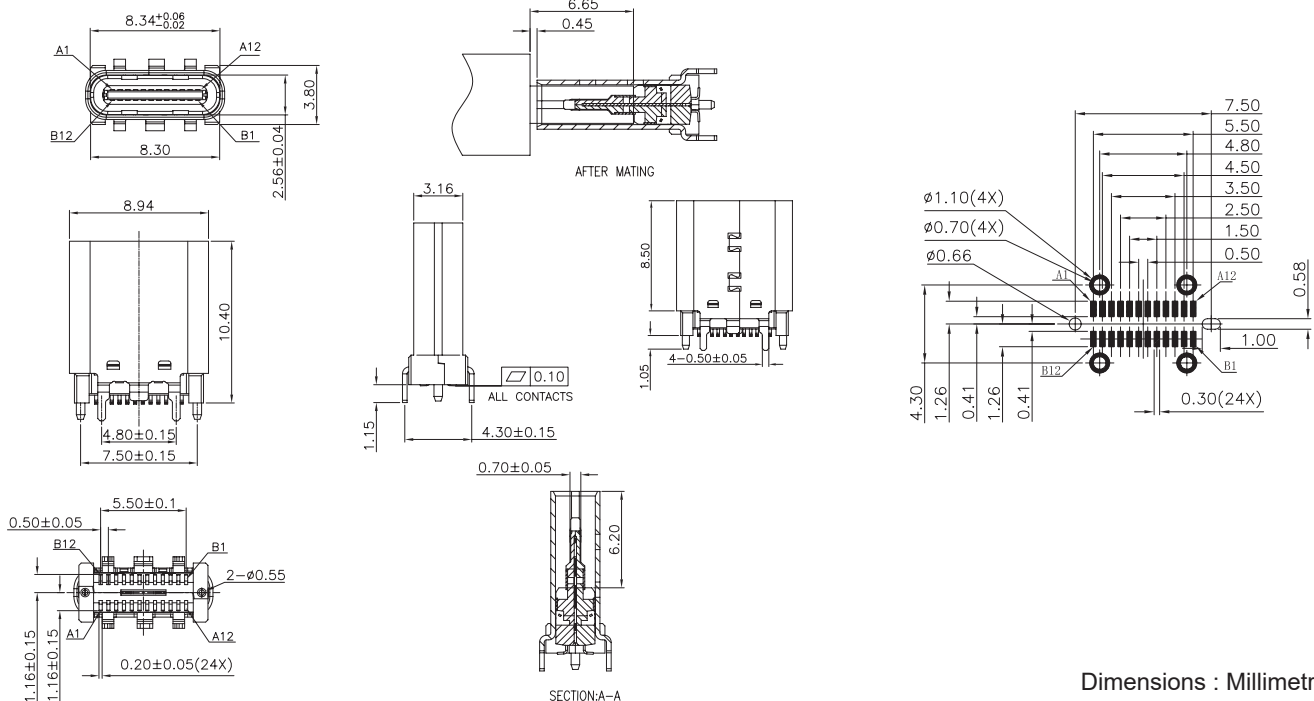
**RoHS  
Compliant**



## Specifications

USB Connector Type	: USB 3.1 Type C Receptacle
No. of Contacts	: 24
USB Connector Mounting	: Upright SMT
Current Rating	: 5A
Voltage Rating	: 5V
LLCR	: VBUS & GND Pin and Other Pins: 40mΩ/Pin Max. Shield: 50mΩ/Max. LLCR Max. Change of all pins: 10mΩ
Insulation Resistance	: 100MΩ Min.
Dielectric Withstanding Voltage	: 100V AC for 1 minute
Temperature Range	: -25°C to +85°C
Insertion Force	: 0.5kgf to 2kgf
Extraction Force	: 0.8kgf to 2kgf
Durability	: 10,000 Cycles

## Diagram



Dimensions : Millimetres

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# USB 3.1 Type C Receptacle Upright SMT

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## Material Specifications

1. Housing: High Temperature Resistant Plastic (LCP), UL94V-0
2. Contacts: Copper Alloy (C1814) T=0.12mm
3. MID Plate: Stainless Steel (SUS301) T=0.15mm
4. EMI Plate: Stainless Steel (SUS301) T=0.1mm
5. Shell: Stainless Steel (SUS304) T=0.3mm

## Plating

1. Contacts: Ni 50 $\mu$ " Min. under plated over all  
Au Plated on the functional area of contact. (Half-Gold Tin 3 $\mu$ "  
Front Shell & Outer Shell: Ni 30 $\mu$ " Min. under plated over all
2. MID Plate: Clear only
3. EMI Plate: Clear only

This product range is available in Cut & Tape and Tape & Reel Options

## Part Number Table

Description	Part Number
USB 3.1 Type C Receptacle, 24Pos, Upright SMT	MC002808

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