USB 3.1 Type C Receptacle USB 3.1 Type C Receptacle R/A DIP, 0.29mm Center Height, Waterproof Multicomp





RoHS **Compliant**

Specifications

USB Connector Type : USB 3.1 Type C Receptacle

No. of Contacts : 24

USB Connector Mounting : R/A Surface Mount, Through Hole Insulator Material : High Temperature Plastic UL94V-0, Black

Shell Material : Stainless Steel (0.2mm), 50µ" Min. Nickel Plating All Over

Inner Shell: Degrease

Contact Material : Copper Alloy (0.15mm)

Contact Plating : Min. 50µ" Gold Plating All Over Contact Area Min. 80µ" Matt Tin Plating All Over Solder Area

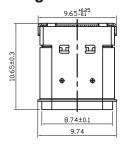
: $40m\Omega$ Max. For Initial; $10m\Omega$ for Initial Contact Resistance

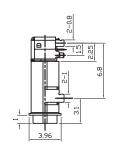
Measure @ 20mV, 100mA after test

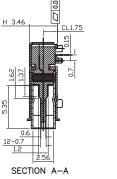
: 5A for VBUS Pin; 1.25A for VCONN Pin Contact Current Rating

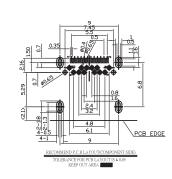
Dielectric Withstanding Voltage : 100V AC RMS Insulation Resistance : 100MΩ Min. : -40°C ~ 85°C Operating Temperature Mating Force : 5 ~ 20N **Unmated Force** : 8 ~ 20N Durability : 10,000 Cycles

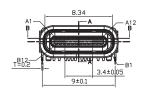
Diagram

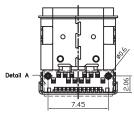


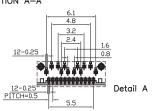


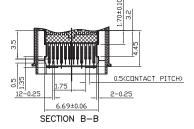












Dimensions: Millimetres

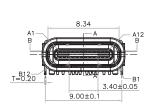
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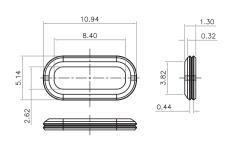


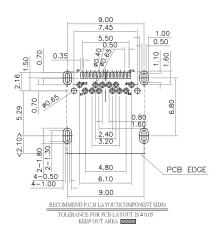
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USB 3.1 Type C Receptacle USB 3.1 Type C Receptacle R/A DIP, 0.29mm Center Height, Waterproof Multicomp









Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
А3	SSTXn1	Second	B10	SSRXn1	Second
A4	V _{BUS}	First	В9	V _{BUS}	First
A5	CC1	Second	В8	SBU2	Second
A6	Dp1	Second	В7	Dn2	Second
A7	Dn1	Second	В6	Dp2	Second
A8	SBU1	Second	В5	CC2	Second
A9	V _{BUS}	First	B4	V _{BUS}	First
A10	SSRXn2	Second	В3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First

Dimensions: Millimetres

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

Part Number Table

Description	Part Number
USB 3.1 Type C Receptacle, Waterproof, 24Pos, R/A DIP, 0.29mm Center Height	MC002811

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