USB Type C Receptacle, SMT Mount

RUSB-CFJ-016NL

Features

- USB Type C
- Supports up to 10Gbs speeds
- Vertical, SMT mount
- Reflow solder compatible
- Tape and reel packaging

Applications

- IoT, AI, VR, AR
- Laptop, Tablet
- Portable Electronics
- Consumer Electronics
- Portable Power

Specifications

Parameter	Conditions/Description	Min	Typ	Max	Units
Rated Input Voltage				30	VDC
Rated Input Current				1.5	A
Contact Resistance	Between terminals and mating plug			40	mΩ
Insulation Resistance	At 100 Vdc for 1 minute between adjacent contacts	100			MΩ
Voltage Withstand	At 60 Hz for 1 minute between adjacent contacts			100	VAC
Insertion Force	At a rate of 12.5 mm/min	5		20	N
Withdrawal Force	At a rate of 12.5 mm/min	8		20	N
Life	At a rate of 500 max cycles per hour	10,000			Cycles
Operating Temperature		-25		80	°C
Storage Temperature		-25		80	°C
Flammability Rating	UL94V-0				
RoHS	2011/65/EU				

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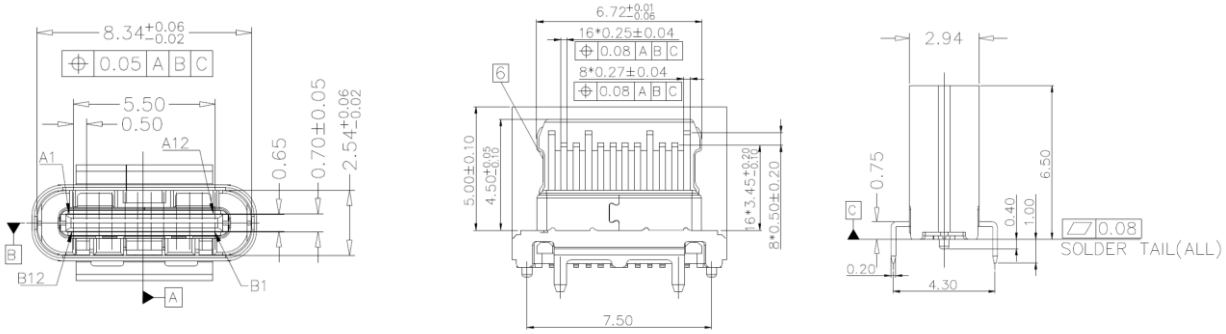
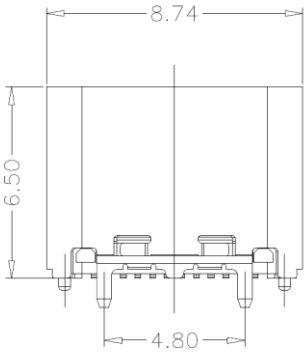
Mechanical Specifications

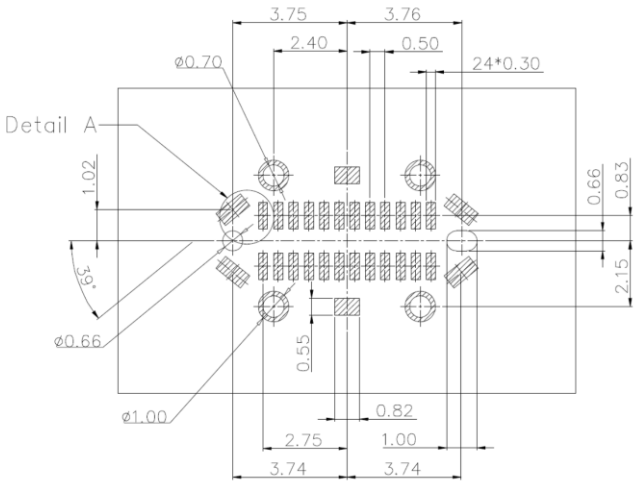




Materials

1	Housing: Stainless Steel
2	Terminal: Copper alloy, 5µ min. gold plated over Tin
3	Shell: Stainless Steel
4	Cover: Thermoplastic (Black)
5	Out shell: Stainless Steel
6	Out Housing: Thermoplastic, Black

Recommended PCB Layout



Notes

1. These parts are manufactured in accordance with this specification. If other conditions and specifications are required for this specification, please contact RDI for more information.

2. RDI will supply the parts in accordance with this specification unless we receive a written request to modify prior to an order placement.

3. In no case shall RDI be liable for any product failure from inappropriate handling or operation of the item beyond the scope of this specification.

4. When changing your production process, please notify RDI immediately.

5. RDI products are “COTS” – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and Consumer Applications. RDI’s products are not specifically designed for Military, Aviation, Aerospace, Life-dependent Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from RDI is required. Please contact RDI for more information.

6. All specifications and Marking will be subject to change without notice.