

MAXIMUM SOLUTIONS

Top-Mount SuperSpeed USB 3.1 Type C Receptacle



Mill-Max has added the **Top-Mount SuperSpeed Universal Serial Bus 3.1, Type C** to its line of USB IO Sockets. This top-mount receptacle is 2X faster than USB 3.0 with more efficient data transfer, higher throughput and improved I/O power efficiency.

Features:

- USB 3.1 Top-Mount, Hybrid Layout
- Full metal housing with enhanced EMI/RFI prevention
- Reversible USB Type C Connector. The type C connector style has no polarization so cables, with type C plugs, may be connected regardless of orientation.
- 2X faster than USB 3.0 (up to 10 Gbps) with more efficient data transfer, higher through-put and improved I/O power efficiency.
- Maintains backward compatibility with previous USB versions
- Provides optimized power efficiency to reduce drain on portable device batteries.
- For Storage, Smartphone, Tablet, Notebook, Docking, Automotive and Home Entertainment
- Packaged on Tape & Reel, 550 parts per 13" Reel

Mill-Max also carries the Mid-Mount USB 3.1 Type C, USB SMT and through-hole, Types A and B, compatible with USB 1.0 and 2.0 specifications; USB 3.0 through-hole mount sockets, Types A and B receptacles; USB 3.0 Micro-B SMT Sockets, Type B Receptacles and Mini USB SMT Sockets, Types A and B.

For more information, please visit: www.mill-max.com/PR660.

(11/15-- PR660)

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SERIES 898 • UNIVERSAL SERIAL BUS 3.1 TYPE C • TOP MOUNT RECEPTACLE

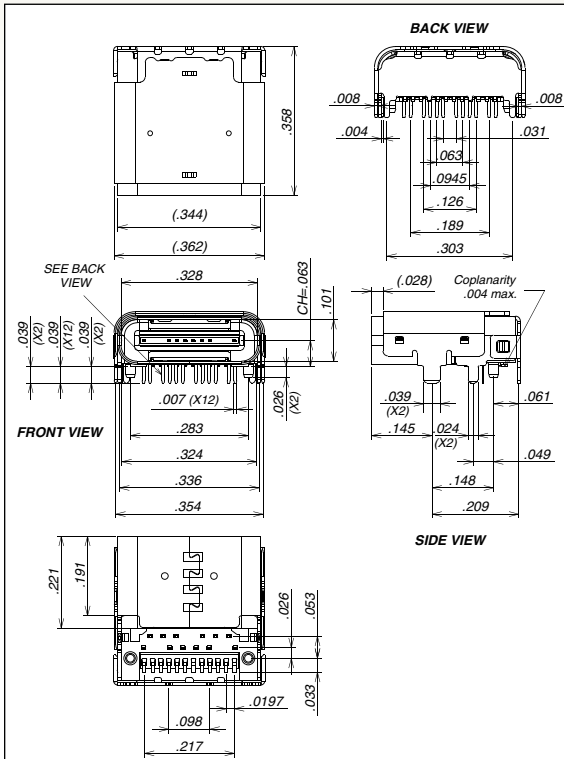


FIG. 1

- USB 3.1 Top Mount, Hybrid Layout
- Full metal housing with enhanced EMI/RFI prevention
- Reversible USB Type C Connector
- 10Gbps Data rate
- 2X faster than USB 3.0 with more efficient data transfer, higher through-put & improved I/O power efficiency
- For Storage, Smartphone, Tablet, Notebook, Docking, Automotive & Home Entertainment



ORDERING INFORMATION

FIG. 1	Top Mount Type C Receptacle, Hybrid Layout
	898-73-024-90-310001
	(Tape & Reel Packaged, 550 parts per 13" reel)

Technical Specifications

Materials:

Terminals: Copper Alloy, Tin-Plated
 Contacts: Copper Alloy, 30 μ m Gold-Plated
 Casing and Shield: Stainless Steel
 Insulator material: High temperature thermoplastic rated UL94V-0

RoHS-2
2011/65/EU

General Specifications:

Temperature Range:
 Storage: -20°C to +60°C
 Operating: -40°C to +80°C
 Nominal: +20°C

Electrical:

Voltage: 50VAC (rms)
 LLCr: 40m Ω (initial), Δ 10m Ω (after)
 Dielectric Strength: 100VAC
 Insulation resistance: 100M Ω min.
 Current Rating: VBUS and GND contacts rated @ 1.25A each, paralleled for a total of 5A

Mechanical:

Durability: 10,000 cycles
 Insertion force: 20 Newtons max.
 Extraction force: 8 Newtons min., 20 Newtons max.