MAXIMUM SOLUTIONS

SuperSpeed USB 3.1 Type C Receptacle



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

Features:

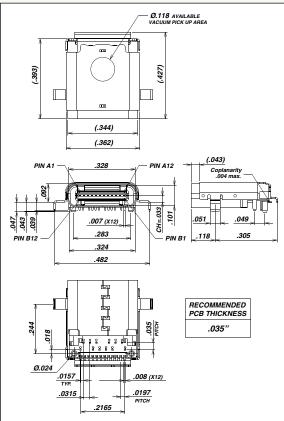
- USB 3.1 Mid-Mount, Hybrid Layout
- Full metal housing with enhanced EMI/RFI prevention
- Reversible USB Type C Connector. The type C connector style has no polarization so cables, with type C plugs, may be connected regardless of orientation.
- 2X faster than USB 3.0 (up to 10 Gbps) with more efficient 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, 900 parts per 13" Reel

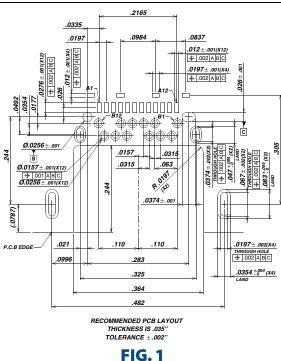
Mill-Max also carries USB SMT and through-hole, Types A and B, compatible with USB 1.0 and 2.0 specifications; USB 3.0 through-hole mount sockets, Types A and B receptacles; USB 3.0 Micro-B SMT Sockets, Type B Receptacles and Mini USB SMT Sockets, Types A and B.

For more information, please visit: www.mill-max.com/PR654.



SERIES 898 • UNIVERSAL SERIAL BUS 3.1 TYPE C • MID-MOUNT RECEPTACLE





- USB 3.1 Mid-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



RoHS-2

ORDERING INFORMATION

FIG. 1	Mid-Mount Type C Receptacle, Hybrid Layout
	898-43-024-90-310000
	(Tape & Reel Packaged, 900 parts per 13" reel)

Technical Specifications

Materials:

Terminals: Copper Alloy, Tin-Plated Contacts: Copper Alloy, 30 µ" Gold-Plated Casing and Shield: Stainless Steel

Insulator material: High temperature thermoplastic rated UL94V-0

General Specifications:

Temperature Range: Storage: -20°C to +60°C Operating: -40°C to +85°C Nominal: +20°C

Electrical:

Voltage: 50VAC (rms)

LLCR: $40m\Omega$ (initial), $\Delta 10m\Omega$ (after) Dielectric Strength: 100VAC Insulation resistance: $100M\Omega$ 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.

Wrenching Test: 75 N load applied to plug inserted to receptacle in four directions at a distance of 15mm from the edge of receptacle,

plug should remain functional after test

