

STEUSB3AA Universal USB I/O Connector



UNIVERSAL USB I/O... MAXIMUM SHIELDING!

- ✓ Dual Type-A USB receptacles
- ✓ Designed to pass all USB standards including USB3.1Gen2, USB3.1Gen1, USB3.0, USB2.0, USB1.1
- ✓ USB Data speeds up to 10Gbit/s at Superspeed+
- ✓ Simple single-hole mount and rugged milled and plated aluminum construction with RF gasket
- ✓ Includes screw-on captive port shield bonding cover for maximum shielding

THE ULTIMATE PASSIVE UNIVERSAL USB CONNECTOR!

The Ramsey Electronics® STEUSB3AA provides a passive 100% shielded USB type A to A connector solution for your RF Shielded Test Enclosure. Shielding and bonding to the enclosure is maintained with its single-hole RF gasketed mounting configuration. The connector is designed to be installed on the I/O panel of your test enclosure but can also be installed on any RF enclosure or screen room wall from .062" to 0.165" (1.58mm to 4.19mm).

USB3.1 SERIES DATA TRANSFERS UP TO 10Gbit/s

Now there is no reason to have separate USB2.0 and USB3.x connectors reducing your I/O costs, I/O space requirements, and I/O redundancy. The feedthrough connector is designed to pass all USB data and encoding schemes:

- ✓ USB3.1 Gen2 Superspeed+ 10Gbit/s
- ✓ USB3.1 Gen1 Superspeed 5Gbit/s
- ✓ USB3.0 Superspeed 5Gbit/s
- ✓ USB2.0 Highspeed 480Mbit/s
- ✓ USB1.1 Fullspeed 12Mbit/s

While the STEUSB3AA bulkhead interface connector is not RF filtered and does not provide any conductive RF isolation, it does provide a 100% shielded solution that is transparent to, and fully compatible with the USB configurations above. Like any unfiltered I/O interfaces, strict shielding practices need to be maintained throughout your connections to minimize chamber RF ingress and egress. RF filtered interfaces are recommended wherever possible, and the use of this or any other unfiltered connectors in your specific RF shielded environment should be verified by your engineering department prior to ordering. All unfiltered connectors feature the same size mounting holes as our filtered interface series, for easy upgrade and downgrade.

CAPTIVE SHIELDED PORT COVER

Unlike other USB bulkhead data connectors, when not in use, the data port can be capped off with the included captive shielded bonding cover, shielding the exposed data connector from the ambient free-air RF signals outside of the enclosure. Like all of our other connector shield caps, the cover is tethered and bonded to the RF Test Enclosure case ground.

RF ISOLATION... CAN ONLY BE AS EFFECTIVE AS YOUR WORST I/O!

When the lack of conductive RF isolation with unfiltered I/O connectors such as this provides RF ingress or egress issues into your Shielded Test Enclosure or Screen Room, look to Ramsey Electronics for latest state-of-the-art RF isolated interfaces to maintain greater than 80 dB isolation throughout today's and tomorrow's technologies.

From CE certified power, to USB, to 10GbE Ethernet, to 4K HDMI video, and everywhere in between, we'll keep you isolated!



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STEUSB3AA_Rev-F

SPECIFICATIONS	
Product Part Number:	STEUSB3AA
UPC	871183006208
Outside Dimensions:	1.37"H x 1.37"W x 1.40"D (34.9mmH x 34.9mmW x 35.5mmD)
Weight:	1.6oz (.04kg) with nut, and RF gasket
Construction:	Nickel plated aluminum
Mounting:	Single 1" OD D or round hole with provided EMI collar gasket, and 7/8-20 UNEF jam nut, .165" (4.19mm) max panel thickness
Body Style:	MIL-DTL-38999
External Connection:	USB3.x Type-A receptacle
Internal Connection:	USB3.x Type-A receptacle
Data Rating:	Up to 10Gbit/s for USB3.1Gen2 Superspeed+
Current Rating:	Pins 1&4 1.8A, other pins .25A
Temperature Rating:	-20°C to +85°C
Shielded Cover:	Screw-on with bonded and captive lanyard

Note: Specifications are average achieved and certified final test measurement values. Subject to change and revisions. Not responsible for typographical errors and omissions.