

STERJ4510G Universal RJ45 I/O Connector



UNIVERSAL RJ45 I/O... MAXIMUM SHIELDING!



- ✓ Dual RJ45 receptacles
- ✓ Designed to pass all Ethernet standards including 10/100/1000 and 10GBASE-T
- ✓ Ethernet speeds up to 10Gbit/s and 600 MHz with CAT7 cable
- ✓ 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 ETHERNET CONNECTOR!

The Ramsey Electronics® STERJ4510G provides a passive 100% shielded RJ45 to RJ45 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 up from .062" to 0.165" (1.58mm to 4.19mm).

ETHERNET TO 10GbE, OR 8-LINE UNIVERSAL DATA!

One simple shielded and capable I/O connector can now accommodate ALL your Ethernet speeds as well as an 8-line universal data connector for other data protocols and interconnections.

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|--------------|-----------|
| ✓ 10GBASE-T | 10Gbit/s |
| ✓ 1000BASE-T | 1Gbit/s |
| ✓ 100BASE-T | 100Mbit/s |
| ✓ 10BASE-T | 10Mbit/s |

While the STERJ4510G 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 Ethernet 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 Ethernet 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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STERJ4510G_Rev-D

SPECIFICATIONS	
Product Part Number:	STERJ4510G
UPC	871183005324
Outside Dimensions:	1.63"H x 1.63"W x 1.40"D (41.3mmH x 41.3mmW x 35.5mmD)
Weight:	1.9oz (.05kg) with nut, and RF gasket
Construction:	Nickel plated aluminum
Mounting:	Single 1.25" OD D or round hole with provided EMI collar gasket, and 1.125-18 UNEF jam nut, .165" (4.19mm) max panel thickness
Body Style:	MIL-DTL-38999
External Connection:	RJ45 shielded female
Internal Connection:	RJ45 shielded female
Data Rating:	Up to 10 Gbit/s Ethernet with CAT6A/7
Frequency Rating:	Up to 600 MHz with CAT7 cable
Current Rating:	Compliant with 802.3at/at PoE standards
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.