STEHDMI2 HDMI Shielded I/O Connector

HDMI FEEDTHROUGH... MAXIMUM SHIELDING!

✔ **Dual Type-A HDMI receptacles**

✔ **Designed to 48 Gbit/s V2.1 standards (using 48G cables)**

✔ **Backwards compatible to all previous versions**

✔ **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 FULLY SHIELDED HDMI CONNECTOR!

The Ramsey Electronics® STEHDMI2 provides a passive 100% shielded HDMI 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)*.

FINALLY, A FULLY SHIELDED HDMI A-A FEEDTHROUGH!

As HDMI I/O's began to be requested, we found all that was available were inexpensive non-shielded bulkheads that to say the least, provided substandard radiated RF shielding in an RF Isolation environment. For those customers that do not require any conductive RF isolation we have added a high performance HDMI bulkhead connector to our series of MIL spec shielded connectors.

As a passive 19 pin transparent pin-to-pin connector it is compatible with the latest V2.1 strandards and backwards compatible with all previous standards.

While the STEHDMI2 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 all HDMI versions. Like any unfiltered I/O interfaces, strict shielding practices need to be maintained throughout your connections to minimize chamber RF ingress and egress. RF Isolated interfaces are recommended wherever possible, and the use of this or any other non-isolated connectors in your specific RF shielded environment should be verified by your engineering department prior to ordering. These passive connectors feature the same size mounting holes as our RF Isolated interface series, for easy upgrade and downgrade. Our digital 4K HDMI interface provides >90 dB RF conductive insertion loss, check it out.

SPECIFICATIONS	
Product Part Number:	STEHDMI2
UPC	871183005430
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:	HDMI Type-A receptacle
Internal Connection:	HDMI Type-A receptacle
Maximum Data Rate:	42.6 Gbit/s for V2.1
Transmission Bandwidth:	48.0 Gbit/s for V2.1
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.

CAPTIVE SHIELDED PORT COVER

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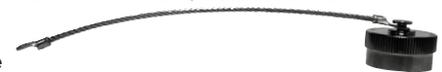
RF ISOLATION... CAN ONLY BE AS EFFECTIVE AS YOUR WORST I/O!

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 85 dB isolation throughout today's and tomorrow's technologies.

From CE certified power, to USB3.1, to 10GbE Ethernet, to 4K HDMI video, and everywhere in between, we'll keep you isolated!

| USB3.1 SuperSpeed | 10GbE PoE Ethernet | 10GbE 8-Line Data & Ethernet | Gigabit PoE Ethernet | Gigabit 8-Line Data & Ethernet | HDMI 4K Video | USB2.0 High Speed | Global Power Interface | Universal 20-Line Power & Control |