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 standards 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.

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!