



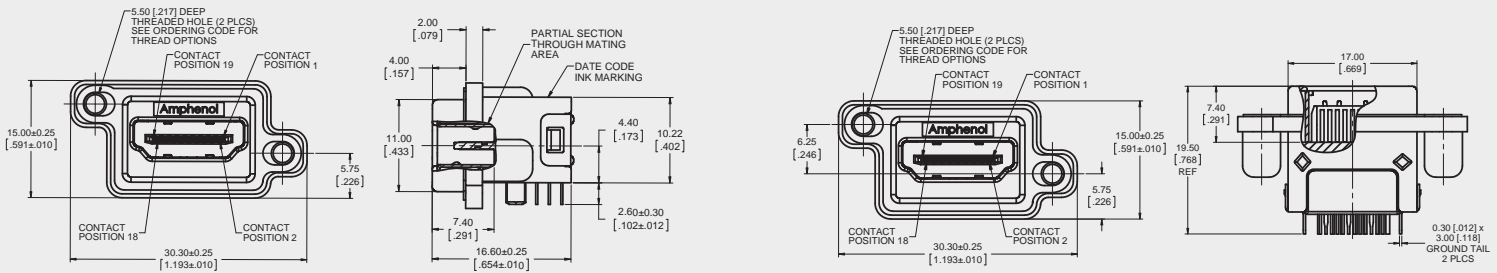
Features

- Superior seal beyond IP67 requirements
- Improved thermal cycling performance
- RoHS Compliant
- Receptacles will mate with any standard type A HDMI plug
- Conductive silicone rubber gasket
- Robust construction - Zinc die cast shell



Markets

Amphenol's line of Rugged HDMI connectors serve many markets and applications across the globe including Transportation, Military, Medical and Industrial.



Photos Shown: MHDR-A111-30, MDHR-A511-30

Technical Specifications

External Shell:	Die Cast Zinc, Matte Tin over Nickel Plated
Housing Inserts:	High Temperature Resistant LCP, Glass Reinforced, UL94V-0, Black
Contacts:	Copper Alloy Plated with 0.76µm (30µ") min Gold over 1.27µm (50µ") min Nickel on the Mating Area and 2.54µm (100µ") min Matte
Internal Shields & Rear Shields:	Tin over Nickel on the Contact Tails
Panel Gasket:	Stainless Steel, Passivated
Internal O-rings:	Conductive Silicone Rubber, Black Silicone Rubber, Beige
Water & Dust Protection Level:	Code IP67 per IEC 60529
Operating Temperature:	-55°C to +105°C
Insertion Force:	Per EIA-364-13, 44.1N (4.5 kg _f , 9.1lb _f) max
Withdrawal Force:	Per EIA-364-13, 9.8N (1.0 kg _f , 2.2lb _f) to 39.2N (4.0 kg _f , 8.8lb _f)
Durability	Per EIA 364-09, 10 000 Mating Cycles
Vibration:	Per EIA 364-28 Condition III (15g, 10-2000Hz, 12 Hrs), No Discontinuity ≥ 1µs
Shock:	Per EIA 364-27 Test Condition A (11ms, 50g, ½ Sine), No Discontinuity ≥ 1µs
Temperature Life w/o Load:	Per EIA-364-17, 105°C, 1000 Hours
Thermal Shock:	Per EIA-364-32, -55°C to +125°C, 10 Cycles
Humidity:	Per EIA 364-31, 10 Cycles, 240 Hrs, 25°C to 65°C, 90-95%RH, with -10 Cold Shock
Mixed Flowing Gas	Per EIA 364-65 Class IIA (Cl ₂ , NO ₂ , H ₂ S, & SO ₂), 14 Day Exposure
Solvent Resistance:	Isopropyl Alcohol & 5% Sodium Hydroxide Solution, 24 Hrs Each
Solderability:	Per EIA-364-52, 95% Coverage after Category 2 Steam Aging
Current Rating:	0.5A max per Contact (ΔT ≤ 30°C)
Contact Resistance:	10 mΩ max, Initial
Insulation Resistance:	1000 MΩ min
DWV:	500 VAC rms (between adjacent contacts or contacts to ground)
Differential Impedance:	100 Ω ± 15%

To learn more about Harsh Environment Connectors:

web: amphenolcanada.com

email: sales@amphenolcanada.com