

# EDAC



## SERIES 690W

### WATERPROOF USB & HDMI



#### FEATURES:

- E-SEAL Waterproof Connectors
  - Standard USB TypeA
  - Micro USB
  - Mini USB Type B
  - HDMI Type A
- Material: Thermoplastic, UL 94V-0 Rated, Black color
- Shell: Steel, Nickel Plated
- O-Ring: Silicone
- Contact Material: Phosphor Bronze, Gold Plated
- Compatible with all Windows versions
- 1.2Mbps or 480Mbps communication speed
- Complies with USB1.0 (USB2.0 upon request)
- Compatible with asynchronous and isochronous data transfer methods
- Silicone rubber seals
- Secure latching system for safe mating under severe vibration or shock conditions

#### SPECIFICATIONS:

- Rated Current: 1A
- Contact Resistance: 50 mOhm Max
- Insulation Resistance: 100 MOhm Min
- Temperature Rating: -25°C ~ +85°C
- Degree of Protection: IP67 as per IEC60529



Example Part Number:

## 690-W04-260-012

<b>SERIES:</b> USB, HDMI . . . . 690		<b>TYPE:</b> 11 . . . . HDMI TYPE A, MALE 12 . . . . HDMI TYPE A, FEMALE 13 . . . . USB TYPE A, MALE 14 . . . . USB TYPE A, FEMALE 43 . . . . MINI USB TYPE B, MALE 44 . . . . MINI USB TYPE B, FEMALE 83 . . . . MICRO USB, FEMALE
<b>CROSS / REF:</b> EDAC CODE WATERPROOF . . . . W		<b>INSULATOR COLOR:</b> 0 . . . . BLACK
<b>NO. OF CONTACTS:</b> (STANDARD USB-A) 4 CONTACT PINS . . . . 04 (MICRO OR MINI USB) 5 CONTACT PINS . . . . 05 (HDMI) 19 CONTACT PINS . . . . 19		<b>CONTACT CODE:</b> 60 . . . . STRAIGHT TYPE 90 . . . . SMT TYPE (MICRO USB ONLY)
<b>CONTACT PLATING</b> Gold Flash Plating over Nickel . . . . 2 15 µIN of Gold Plating over Nickel . . . . 3 30 µIN of Gold Plating over Nickel . . . . 6		

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**NOTE:**  
MICRO USB IS ONLY AVAILABLE IN SMT TYPE