MMHT – I/O Cable (Male)

MMHT interconnects are used in high-temperature applications. These rugged cable connectors come with a variety of termination, hardware and wiring options. Custom lengths are available on wire termination products.

**Sample Part Number Format:** MMHT-212-025-161-41WA

**Technical Data:**

- **Pin Contacts:** Copper-based alloy strip
- **Contact Finish:** Gold plate per ASTM 8488, SAE AMS-2422
- **Shell:** Aluminum alloy 6061-T6 per SAE AMS-QQ-A-25011 or 6061-T651 per SAE AMS-QQ-A-20018
- **Shell Finishes:** Electroless nickel per SAE AMS-2402, Class 3, 500 µ" minimum or black anodized per MIL-A-8625, Type III Class 2, or 303 stainless steel per ASTM A581/A581M or ASTM A582/A582M, passivated per SAE AMS-2700
- **Molded Insulators:** High-temp thermoplastic
- **Embedment:** High-temp epoxy
- **Hardware:** Corrosion-resistant steel per ASTM A562/A562M, passivated per ASTM A587, SAE AMS-QQ-P-35
- **Tolerances:** Unless otherwise specified: ± 0.005"; Fractions: ±1/64"; Wire lengths – insulated/stranded: +1.0"/-0.0"; uninsulated/solid: +0.02"/-0.0".

**Contact Rating:** 3 amperes maximum

**Operating Temperature:** -55°C to 205°C

**Test Voltage:** 600V RMS, 60Hz

**Insulation Resistance:** 5,000 megohms minimum @ 500 VDC

**Durability:** 500 connector mating cycles

**Contact Engaging Force:** 6.0 ounces maximum/contact

**Contact Separating Force:** 0.5 ounces minimum/contact

**Mating and Unmating Force:** 10 ounces maximum

**Contact Ratings:**

- **1A** – Pin, straight, 26 awg solder cup
- **11** – Pin, straight, 26 awg solder cup
- **1E** – Pin, straight, 0.125" lead length
- **13** – Pin, straight, 0.250" lead length
- **14** – Pin, straight, 0.500" lead length
- **16** – Pin, straight, crimped wire
- **18** – Pin, straight, 0.500" lead length (solder cup, pigtail)
- **19** – Pin, straight, 0.500" lead length (crimp wire)
- **1L** – Pin, straight, 0.500" lead length (embed"

**Ordering Information:**

- **SERIES**
  - 0.050" Rugged Metal I/O Connector (Male)
- **ROWS**
  - 2 – 2-Row (9-37 contacts)
  - 3 – 3-Row (51 & 89 contacts)
  - 4 – 4-Row (100 contacts)
- **BODY STYLE**
  - 1 – Plug
- **BODY MATERIAL**
  - 2 – High-temp thermoplastic with electroless nickel shell
  - 3 – High-temp thermoplastic with hard black anodized shell
  - 4 – High-temp thermoplastic with stainless steel shell
- **SIZE**
  - 009 – 9 Contacts
  - 015 – 15 Contacts
  - 021 – 21 Contacts
  - 025 – 25 Contacts
  - 031 – 31 Contacts
  - 037 – 37 Contacts
  - 041 – 41 Contacts
  - 051 – 51 Contacts
  - 069 – 69 Contacts
  - 081 – 81 Contacts
  - 100 – 100 Contacts

**Wiring Codes:**

- **00** – None
- **XX** – 500 connector mating cycles
- **FR** – Float-mount: front panel mounting
- **FF** – Float-mount: rear panel mounting

**Contact CUSTOMER SERVICE**

**CALh 512-863-5585**

x6464

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