CMM Series

CMM 2mm pitch connectors are designed to exceed the performance requirements of MIL-DTL-55302F. This modular connector allows more than 20 million standard arrangements. Depending on the series, the CMM can mix signal (LF) contacts, High Frequency (HF), High Power (HP) contacts, distributed on 1 to 3 rows.

• 1 week lead time
• Minimum order quantity: 1
• Instantaneous CAD models with weight indication

**CMM200**
- LF: 2 rows _ up to 50 contacts
  - With Latch

**CMM220**
- LF: 2 rows _ up to 60 contacts
  - HF/HP: 1 row _ up to 15 contacts
  - With screw fixing

**CMM320**
- LF: 3 rows _ up to 120 contacts
  - HF/HP: 1 row _ up to 20 contacts
  - With screw fixing

**CMM340**
- LF: 3 rows _ up to 111 contactcs
  - HF/HP: 2 rows _ up to 64 contacts
  - With screw fixing

**TECHNICAL FEATURES**

- **PPS 30% GF HOUSING**
- **2mm PITCH**
- **CONTACT RESISTANCE <10mΩ**
- **MECHANICAL OPERATIONS UP TO 2500 CYCLES**
- **TEMPEATURE CYCLING -60°C~+260°C**
- **VIBRATION SEVERITY 15G**
- **2PINS~120PINS**
- **LF, HF, HP MIXED LAYOUT**
- **LF CONTACTS UP TO 5A**
- **HIGH FREQUENCY UP TO 11GHz**
- **WITHSTANDING VOLTAGE 1200V**
- **HIGH POWER UP TO 30A**

**APPLICATIONS**

- BOARD ~ BOARD
- BOARD ~ WIRE
- WIRE ~ WIRE

**TERMINATION**

- PCB
  - Straight or 90° Thru-hole, SMT, Press-fit & card edge

- CABLE
  - Straight or 90° Solder or Crimp
  - Easy fixings

**RANGE**

- CMM100
- CMM200
- CMM220
- CMM320
- CMM340 EXCLUSIVE
DMM Series

DMM is a modular alternative to the Micro-D M83513 connector enabling an infinite choice of arrangements & terminations. Qualified to MIL-DTL-83513G performance, it allows space saving, electromagnetic & mechanical protection.

- 6 weeks lead time
- Minimum order quantity: 1
- Instantaneous CAD models including weight

**Panel Mount**
Rear or Front

**Wire ~ Wire**
Straight or 90° // Solder or Crimp

**Board ~ Board**
Straight or 90° // Thru-hole or SMT

**Board ~ Wire**
Straight or 90° // Thru-hole or SMT
Straight or 90° // Solder or Crimp

---

**Technical Features**

- **Shell:** Aluminium 6061
- **Insulator:** PPS 30% GF
- **Contact Resistance:** < 10mΩ
- **Temperature Cycling:** -55°C to +125°C
- **Vibration Severity:** 20G RMS
- **Pitch:** 2 mm
- **High Power:** up to 30A
- **High Voltage:** 600V
- **Withstanding Voltage:** 600V
- **Mechanical Operations:** up to 2500 cycles
- **Mechanical Operations Mix-Lay:**
- **LF Contacts:** up to 5A
- **2 Pins~120 Pins**
- **Backshell Accessory**

---

**Backshell Accessory**
**MICROFLEX Series**

**Microflex™** is an alternative to a round cable harness, with screw fixing for high vibration environments. Ready to plug solution with CMM 220 connectors for high mechanical resistance. This solution has been qualified according to MIL-DTL-55302F.

- **6 weeks lead time**
- **Minimum Order Quantity:** 1
- **Weight reduction up to 60% vs round cable**
- **Ready to plug solution**

**F-F MICROFLEX**
Female – Female

**SOLDERPIN MICROFLEX**
Solder pin – Female

**CMM MATING**
CMM 220

**OCTOPUS MICROFLEX**
Multiple branches

**TECHNICAL FEATURES**

- **Save 60% space & weight**
- **Up to 3A**
- **Flexibility life expectancy:** 10,000,000 cycles
- **Mechanical operations:** Up to 500 cycles
- **Temperature cycling:** -55°C ~ +125°C
- **Vibration severity:** 15G
- **Contacts are crimped on the Flat Flexible Cable and then inserted in the housing**
- **Withstanding voltage:** 500V
- **Contact resistance:** < 15mΩ
- **Insulation resistance:** > 300MΩ
- **Mate with CMM220**
- **2mm pitch**
- **New shielding option**

**NEW**
Providing “ready to use” modular solutions is a priority for Nicomatic:

**HARNESS MANUFACTURING**

Pre-wired connectors? EMI harness? Please ask and our facility will make it within an outstanding lead-time.

A dedicated R&D team, 60 projects per year, all capabilities in house, prototyping LT: 12 weeks and of course a free pre-study. Contact us!