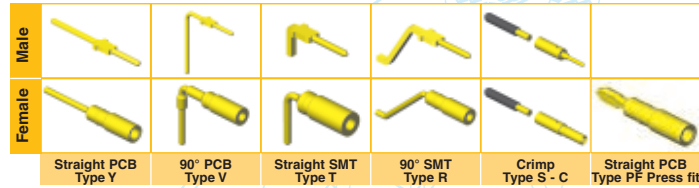


Our contacts

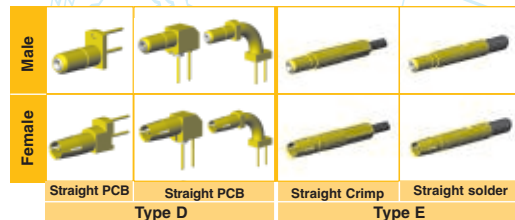
Low Frequency Contacts: 3A Max



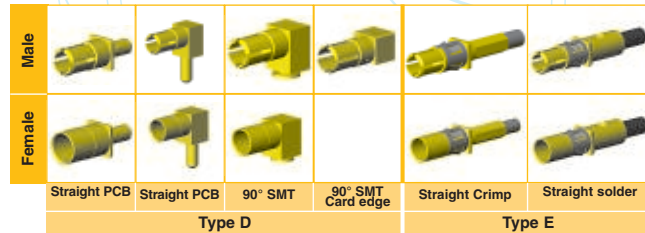
High Frequency Contacts Series 30: 6 GHz Max



High Frequency Contacts Series 22: 1,5 GHz Max



High Power Contacts Series 30: 20A Max



High Power Contacts Series 22: 10A Max



Please consult our catalogue pages 7 to 11



Technical Features

NICOMATIC specializes in the design, development & manufacture of electronic connectors. The CMM system is a 2 mm pitch connector available in board to board, board to wire & wire to wire configurations.

MATERIALS

INSULATOR : Special PPS Fiberglass filled thermoplastic UL 94-V0 (oxygen free, no humidity absorption, radiation resistance)

LF CONTACTS :

- Male : Terminal- copper alloy / gold Contact / gold
- Female : Terminal- copper alloy / gold Socket body beryllium copper / gold

FIXING HARDWARE :

- Latch : Beryllium copper / plated nickel (CMM 100/200 series)
- Jackscrew : stainless steel (CMM 220/320/340 series) (Rack, locked or floating option)

ELECTRICAL

- LF contacts : 3 A max. @ 25°C - 2.2 A max. @ 85°C
- Working voltage (sea level) : 240V DC (tested at 800V)
- Proof voltage : 360V DC (tested at 1200V)
- Contact resistance (initially) : max.10 mΩ
- Insulation resistance : 1 000 M Ω min.

MECHANICAL

- Mechanical operations : 500 cycles min.
- Contact insertion and withdrawal force : 2 N max., 0.2 min.
- Contact retention in insulator : 10 N min.
- Contacts removal : 3 cycles

ENVIRONMENTAL

- Temperature range : from -60°C to + 250°C Complies with vapor phase and infrared techniques (260°C Max)
- Vibration severity : 0.75 mm, 10 g RMS 6 hours long random with superimposed sinusoid. No intermittencies measured when using an H.S.L.I. (High Speed Logic Interrupt) detector with a trip threshold of 2 ns
- Shock severity : 100 g for 6 ms
- Resistance : HcFc 141 bMGX (ATOCHM) solvent

NICOMATIC Advantages

- High Density
- Mixed Layout
- Flexible and Secure Interconnection
- High Reliability under extreme environmental conditions
- RoHS
- Whiskers Free



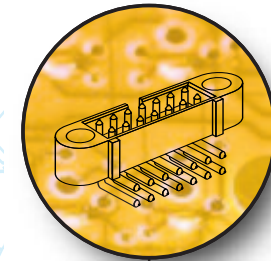
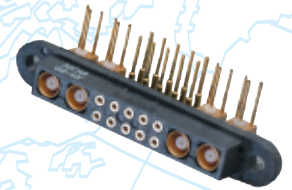
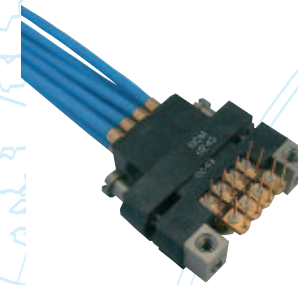
For more information, please consult www.nicomatic.com



03/2008-C.CMM Leaf.



specialized in
electronic connectors



CMM series
micro-connectors



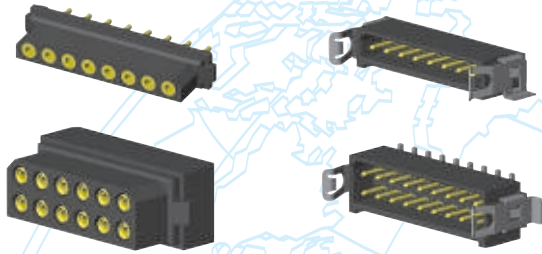
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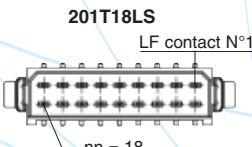
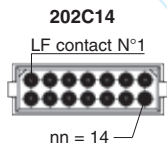
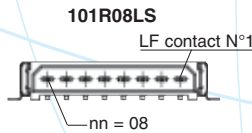
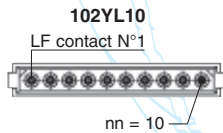
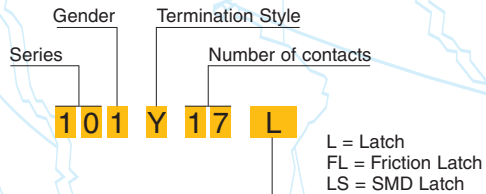
<http://www.nicomatic.com>

CMM series 100/200

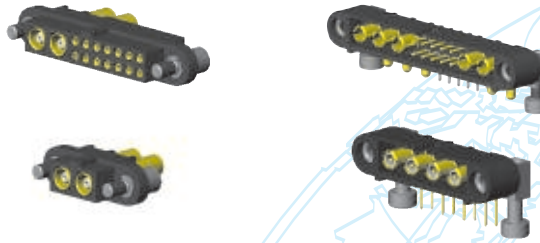


- CMM 100 : 1 row from 2 to 25 contacts
- CMM 200 : 2 rows from 4 to 50 contacts, multiple of 2
- For LF (Low Frequency) contacts only
- Male LF contacts : straight and 90° PCB, straight and 90° SMD, crimp on wire AWG 22-28
- Female LF contacts : straight PCB, press fit, straight and 90° SMD, crimp on wire AWG 22-28
- Polarized by chamfer
- Locking with latches (traditional, friction or SMD)

Part numbering

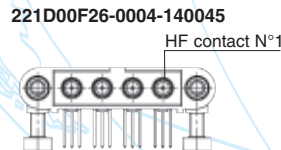
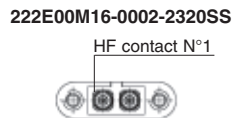
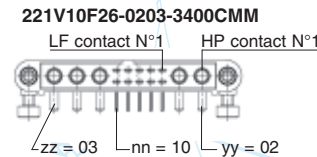
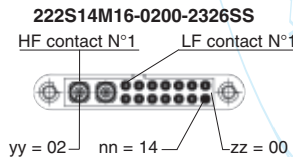
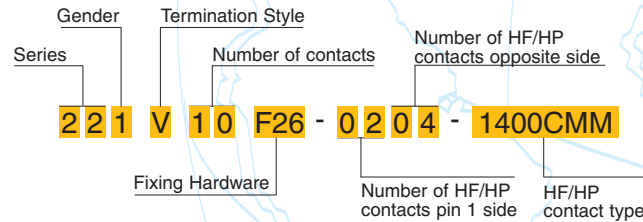


CMM series 220



- CMM 220 LF : 2 rows from 4 to 60 contacts
- CMM 220 HF/HP : 2 rows with Mixed Layout
- HF/HP contacts in one connector : up to 15 Series 30 contacts
- Male LF contacts : straight and 90° PCB, straight and 90° SMD, crimp on wire AWG 22-28 + 30-32
- Female LF contacts : straight PCB, press fit, straight SMD, crimp on wire AWG 22-28 + 30-32
- Polarized by slot/key
- Locking with stainless steel fixing hardware

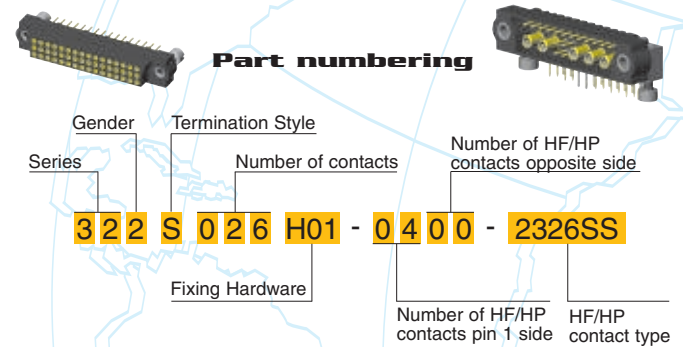
Part numbering



CMM series 320/340

- CMM 320 LF : 3 rows from 6 to 120 contacts
- CMM 320 HF/HP : 3 rows with Mixed Layout
- HF/HP contacts in one connector : up to 20 Series 30 contacts
- Male LF contacts : straight and 90° PCB, 90° SMD, crimp on wire AWG 22-28
- Female LF contacts : straight PCB, crimp on wire AWG 22-28
- Polarized by shape
- Locking with stainless steel fixing hardware

Part numbering



- CMM 340 HF/HP
 - 3 rows, mixed layout
 - up to 64 special contacts (series 22 contacts)

Part numbering

