



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

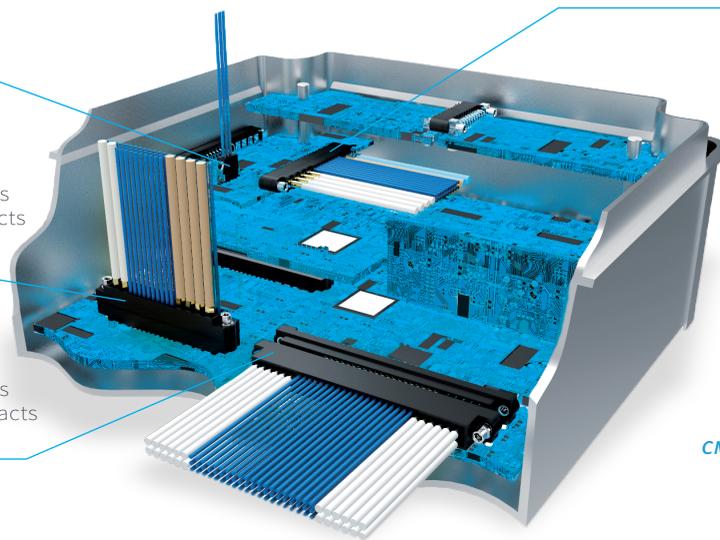
LF: 2 rows _ up to 50 contacts
With Latch

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 contacts
HF/HP: 2 rows _ up to 64 contacts
With screw fixing



CMM220

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

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

TECHNICAL FEATURES



PPS 30%
GF HOUSING



2MMPITCH



MECHANICAL
OPERATIONS UP
TO 2500 CYCLES



TEMPERATURE
CYCLING
-60°C~+260°C



VIBRATION
SEVERITY 15G



2PINS-120PINS



CONTACT
RESISTANCE
<10mΩ
INSULATION
RESISTANCE
>1GΩ



LF, HF, HP
MIXED LAYOUT



LF CONTACTS
UP TO 5A



HIGH
FREQUENCY
UP TO 11GHZ



WITHSTANDING
VOLTAGE
1200V



HIGH POWER
UP TO 30A

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.

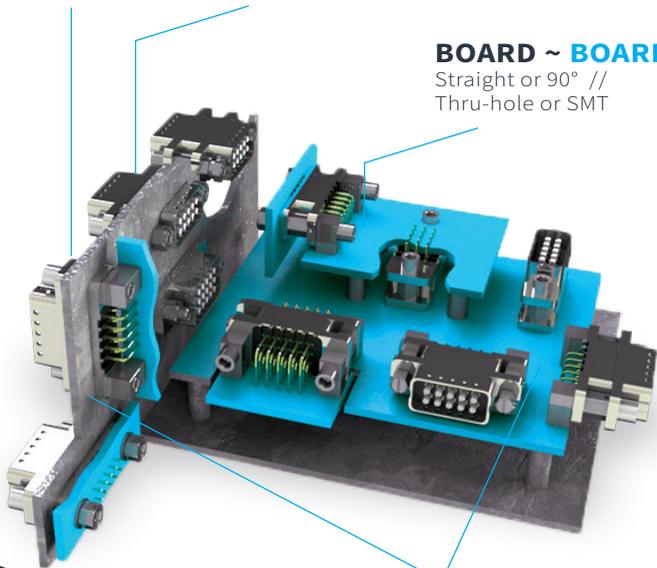
- 6 weeks lead time
- Minimum order quantity: 1
- Instantaneous CAD models including weight



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

LF SERIES

LF ARRANGEMENTS	SERIES	PROFILE	LF
D100		●●●●	1 row 2 to 30 pins
D220		●●●● ●●●●	2 rows 4 to 60 pins
D320		●●●● ●●●● ●●●●	3 rows 6 to 90 pins
D420		●●●● ●●●● ●●●● ●●●●	4 rows 8 to 120 pins

MIXED-LAYOUT

ARRANGEMENTS	SERIES	PROFILE	LF	HP/HF
D220		●●●●●●●●	2 rows 2 to 56 pins	1 row 1 to 15 pins
D320		●●●●●●●● ●●●●●●●●	3 rows 3 to 86 pins	1 row 1 to 15 pins
D420		●●●●●●●● ●●●●●●●● ●●●●●●●●	4 rows 4 to 112 pins	2 rows 2 to 30 pins
D430		●●●●●●●● ●●●●●●●● ●●●●●●●● ●●●●●●●●	4 rows 8 to 116 pins	2 rows 1 to 29 pins

TECHNICAL FEATURES



SHELL:
ALUMINIUM 6061
INSULATOR:
PPS 30% GF



LF CONTACTS
UP TO 5A



MECHANICAL
OPERATIONS
UP TO 2500
CYCLES



TEMPERATURE
CYCLING
-55°C → +125°C



VIBRATION
SEVERITY
20GRMS



2PINS-120PINS



HIGH POWER
UP TO 30A



CONTACT
RESISTANCE
< 10mΩ
INSULATION
RESISTANCE > 5GΩ



LF, HF, HP
MIXED LAYOUT



2MMPITCH



WITHSTANDING
VOLTAGE
600V

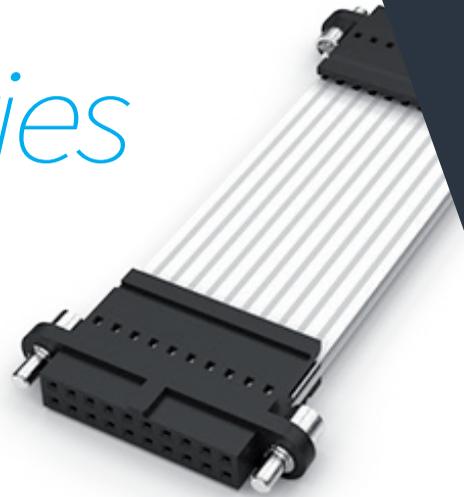
BACKSHELL ACCESSORY



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

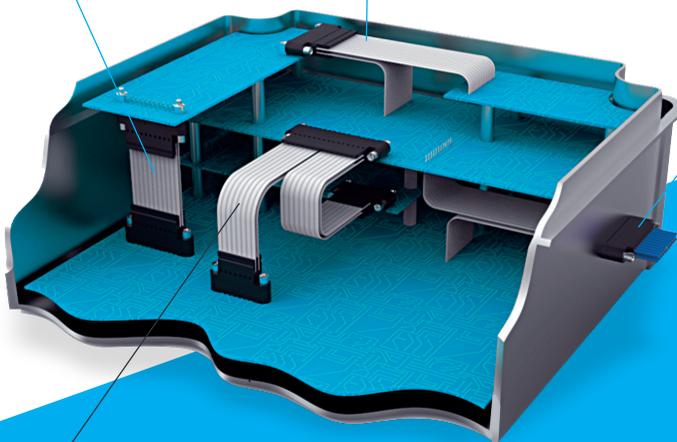
Female ~ Female

SOLDERPIN MICROFLEX

Solder pin ~ Female

CMM MATING

CMM 220



OCTOPUS MICROFLEX

Multiple branches

Contacts are crimped on the Flat Flexible Cable and then inserted in the housing



F~F MICROFLEX

FROM 04 TO 60 CONTACTS
SCREW FIXING ON BOTH ENDS



SOLDER PIN MICROFLEX

DIFFERENT BRANCH LENGTHS
NUMEROUS FIXING HARDWARES



OCTOPUS MICROFLEX

FROM 02 TO 10 BRANCHES
DIFFERENT BRANCH LENGTHS



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



04PINS-60PINS



WITHSTANDING
VOLTAGE
500V



CONTACT
RESISTANCE
< 15mΩ
INSULATION
RESISTANCE
> 300MΩ



MATE WITH
CMM220



2MM PITCH



SHIELDING
OPTION

NEW

ADDED *Values*

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.



**MIL-22759
WIRES**
RG RF CABLES



**MIXED
LAYOUT
& BACKPOTTING**



**EMI
METAL
BRAID**



**WIRE
STRIPPING
& SHRINKABLE TUBE**



**TIN
PLATED
TERMINATION**



**COMPONENTS
SOLDERING**

CUSTOM SOLUTIONS

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!

*CUSTOM
COAX*



*MULTI
CAVITIES*



*BESPOKE
LAYOUT*



*IP67
SEALING*



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