

RECTANGULAR MODULAR MICRO-RMM SERIES



DESCRIPTION

Amphenol's Rectangular Modular Micro **RMM** Series is a low-profile, high-density rugged connector that fills the gap between the Micro-D (MIL-DTL-83513) and D-Sub (MIL-DTL-24308) product lines. Designed to meet the harsh environments of the Aerospace, Defense and Industrial markets, the unique modular insert design allows for a wide variety of insert arrangements combining signal, power and RF contacts. Custom designs featuring Sealing, Filtering, and High Speed contacts are also available.

PRODUCT BENEFITS

- Modular insert arrangements – Signal, Power and RF positions
- Expandable insert patterns - 1 to 3 rows, 2 to 120 positions
- Mixed layout options : High frequency, high power and low frequency contacts in one connector
- Lower profile than traditional Micro-D series
- Meets performance requirements of MIL-DTL-83513G



Product Features & Technical Specifications

Service Temperature Range: -55°C to +125°C

Termination Style: Crimp discrete wires, cable / ribbon assemblies, PC tail

Shell Material: Aluminum alloy or high performance polymer

Insert Material: PPS (Ryton) per Mil-M-24519

Insulation Resistance: 5000 Meg-ohms min.

Contact Resistance: < 26 milliOhms

Mechanical Shock and Vibration: >50 G / >20 G (10 – 2000 Hz) Peak Acceleration

Mating / Mounting: Board to Board, Board to Wire, Wire to Wire, Front & Rear Panel mount

HOW TO ORDER:



1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Connector Series	Number of Rows	Gender	Signal (LF) Contact Termination	Signal (LF) Contact Layout	Fixing Hardware	Quantity of RF/RP contacts on LF Contact -1 side	Quantity of RF/RP contacts opposite to LF Contact -1 side	RF/RP Contact Type	Polar Key Shift
RMM	2	R	01	060	RA	01	01		KLM

STEP 1:

Connector Series	
RMM	Rectangular Modular Micro Connector

STEP 2:

Number of Rows	
1	1 Row
2	2 Rows
3	3 Rows

STEP 3:

Gender	
R	Receptacle
P	Plug

STEP 4:

Signal (LF) Contact Termination Type	
01	Crimp style, 22 awg
02	Crimp style, 24 - 28 awg
03	Straight PCB, 3.0 mm tail ext
04	Straight PCB, 4.5 mm tail ext
05	Straight PCB, 5.1 mm tail ext
06	Straight PCB, 9.1 mm tail ext
07	90 deg PCB 3.0 mm
08	90 deg PCB 4.5 mm
09	Straight SMT 2.25 mm
10	Straight SMT 3.35 mm
11	90 deg SMT 0.9 mm
12	Press Fit

STEP 5:

Signal (LF) Contact Layout	
002 to 025	1 Row
004 to 050	2 Rows (no RF/RP Contacts)
004 to 060	2 Rows
006 to 120	3 Rows

STEP 6:

Fixing hardware	
Hardware Code	Hardware Code
Please contact Amphenol Canada for information	
PA	RA
PB	RB
PC	RC
PD	RD
PE	RE
PF	RF
PG	RG
PH	RH
PJ	RJ
PK	RK
PL	RL
PM	RM
PN	RN
PP	RP
PQ	RQ
PR	RR
PS	RS
PT	RT
PU	RU
PV	RV
PW	RW
PX	RX
PY	RY
PZ	RZ

STEP 7:

Quantity of RF/RP contacts on LF Contact -1 side	
Leave blank	1 Row No RF/RP Contacts
01 to 15	2 Rows
01 to 20	3 Rows

STEP 8:

Quantity of RF/RP contacts opposite to LF Contact -1 side	
Leave blank	1 Row No RF/RP Contacts
01 to 15	2 Rows
01 to 20	3 Rows

STEP 9:

RF/RP Contact Type
Please contact Amphenol Canada for information

STEP 10:

Polar Key Direction shifted from housing center	
K	K=1 - direction of LF contact 1
K	K=2 - direction opposite LF contact 1
LM	LM=Polarization key shift position compared to center of housing (each shift = 2 mm)