

M12 A-Coded Panel-Mount Receptacle, Pre-Wired Leads

M12 × 1.0 A-coded panel-mount receptacle with pre-wired single leads. Male or female, straight front or rear mount; PG9 or M16 panel thread; 3, 4, 5, 8, 12 or 17 pins. Leads 0.3, 0.5 or 1.0 m.



ORDERING CODE

M12A-[pins]P-[M/F]-ST-[FR/RR]-WL-[PG9/M16]-[length]

CONNECTOR

M12 × 1.0, A-coded, male or female

MOUNTING

Straight front or rear mount

PINS

3, 4, 5, 8, 12 or 17

PANEL THREAD

PG9 or M16

TERMINATION

Pre-wired single leads: 0.3, 0.5 or 1.0 m

CONSTRUCTION

Standard	IEC 61076-2-101
Termination	Pre-wired single leads
Locking	M12 × 1.0 screw
Contacts (male)	Brass, gold plated
Contacts (female)	Phosphor bronze, gold plated
Nut and shell	Brass, nickel plated
Insert	TPU
Seal	FKM
Lead wire	0.14 to 0.75 mm ² range (confirm)

RATINGS BY PIN COUNT

3-pin	250 V · 4 A
4-pin	250 V · 4 A
5-pin	60 V · 4 A
8-pin	30 V · 2 A
12-pin	30 V · 1.5 A
17-pin	30 V · 1.5 A

GENERAL

Operating temp.	–40 to +85 °C
Current rating at	40 °C
Insulation resist.	≥ 100 MΩ
Contact resist.	≤ 5 mΩ
Mating cycles	> 100
Compliance	RoHS / REACH

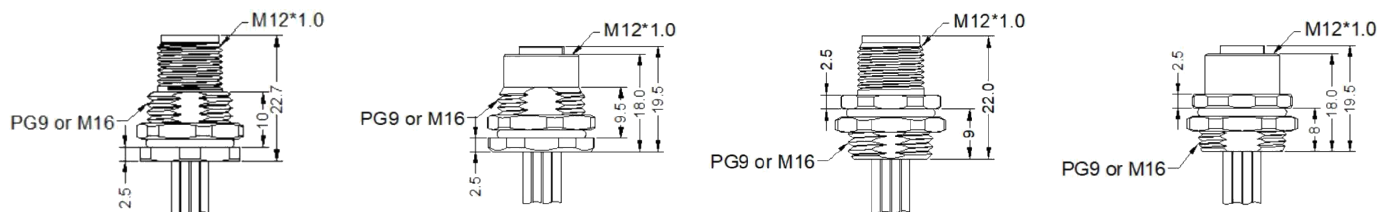
BUILT TO ORDER

Standard versions ship in about 5 to 6 weeks. Request a quote on formrep.com or call 816-782-7800.

NEED SOMETHING DIFFERENT?

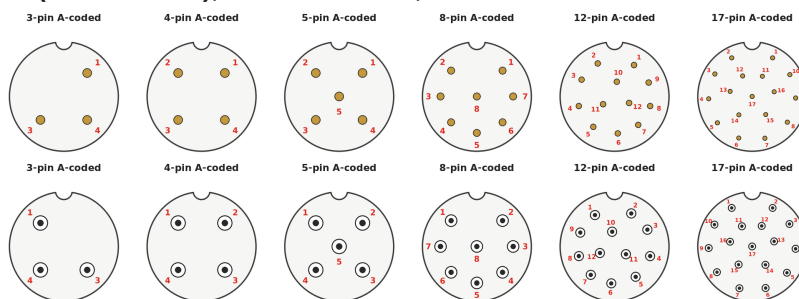
Other lead lengths, threads and pin counts may be available. Ask for a made-to-fit quote.

Dimensions, pin layouts and ordering



MALE, STRAIGHT, FRONT MOUNT FEMALE, STRAIGHT, FRONT MOUNT MALE, STRAIGHT, REAR MOUNT FEMALE, STRAIGHT, REAR MOUNT

PIN LAYOUTS, FACE VIEWS (MATING SIDE); MALE TOP ROW, FEMALE BOTTOM ROW



ORDERING CODE

M12A - **4P** - **F** - **ST** - **FR** - **WL** - **PG9** - **0M5**

M12 A-coded pins M = male, F = female ST or RA head FR = front, RR = rear mount pre-wired single leads PG9 or M16 0M3, 0M5, 1M0 lead

Example: M12A-4P-F-ST-FR-WL-PG9-0M5 = 4-pin A-coded female straight receptacle, front mount, pre-wired single leads, PG9 panel thread, 0.5 m leads.

STANDARD CONFIGURATIONS (144)

M12A-3P-M-ST-FR-WL-PG9-0M3	M12A-12P-M-ST-FR-WL-PG9-0M3	M12A-5P-F-ST-FR-WL-PG9-0M3	M12A-3P-M-ST-RR-WL-PG9-0M3	M12A-12P-M-ST-RR-WL-PG9-0M3	M12A-5P-F-ST-RR-WL-PG9-0M3
M12A-3P-M-ST-FR-WL-PG9-0M5	M12A-12P-M-ST-FR-WL-PG9-0M5	M12A-5P-F-ST-FR-WL-PG9-0M5	M12A-3P-M-ST-RR-WL-PG9-0M5	M12A-12P-M-ST-RR-WL-PG9-0M5	M12A-5P-F-ST-RR-WL-PG9-0M5
M12A-3P-M-ST-FR-WL-PG9-1M0	M12A-12P-M-ST-FR-WL-PG9-1M0	M12A-5P-F-ST-FR-WL-PG9-1M0	M12A-3P-M-ST-RR-WL-PG9-1M0	M12A-12P-M-ST-RR-WL-PG9-1M0	M12A-5P-F-ST-RR-WL-PG9-1M0
M12A-3P-M-ST-FR-WL-M16-0M3	M12A-12P-M-ST-FR-WL-M16-0M3	M12A-5P-F-ST-FR-WL-M16-0M3	M12A-3P-M-ST-RR-WL-M16-0M3	M12A-12P-M-ST-RR-WL-M16-0M3	M12A-5P-F-ST-RR-WL-M16-0M3
M12A-3P-M-ST-FR-WL-M16-0M5	M12A-12P-M-ST-FR-WL-M16-0M5	M12A-5P-F-ST-FR-WL-M16-0M5	M12A-3P-M-ST-RR-WL-M16-0M5	M12A-12P-M-ST-RR-WL-M16-0M5	M12A-5P-F-ST-RR-WL-M16-0M5
M12A-3P-M-ST-FR-WL-M16-1M0	M12A-12P-M-ST-FR-WL-M16-1M0	M12A-5P-F-ST-FR-WL-M16-1M0	M12A-3P-M-ST-RR-WL-M16-1M0	M12A-12P-M-ST-RR-WL-M16-1M0	M12A-5P-F-ST-RR-WL-M16-1M0
M12A-4P-M-ST-FR-WL-PG9-0M3	M12A-17P-M-ST-FR-WL-PG9-0M3	M12A-8P-F-ST-FR-WL-PG9-0M3	M12A-4P-M-ST-RR-WL-PG9-0M3	M12A-17P-M-ST-RR-WL-PG9-0M3	M12A-8P-F-ST-RR-WL-PG9-0M3
M12A-4P-M-ST-FR-WL-PG9-0M5	M12A-17P-M-ST-FR-WL-PG9-0M5	M12A-8P-F-ST-FR-WL-PG9-0M5	M12A-4P-M-ST-RR-WL-PG9-0M5	M12A-17P-M-ST-RR-WL-PG9-0M5	M12A-8P-F-ST-RR-WL-PG9-0M5
M12A-4P-M-ST-FR-WL-PG9-1M0	M12A-17P-M-ST-FR-WL-PG9-1M0	M12A-8P-F-ST-FR-WL-PG9-1M0	M12A-4P-M-ST-RR-WL-PG9-1M0	M12A-17P-M-ST-RR-WL-PG9-1M0	M12A-8P-F-ST-RR-WL-PG9-1M0
M12A-4P-M-ST-FR-WL-M16-0M3	M12A-17P-M-ST-FR-WL-M16-0M3	M12A-8P-F-ST-FR-WL-M16-0M3	M12A-4P-M-ST-RR-WL-M16-0M3	M12A-17P-M-ST-RR-WL-M16-0M3	M12A-8P-F-ST-RR-WL-M16-0M3
M12A-4P-M-ST-FR-WL-M16-0M5	M12A-17P-M-ST-FR-WL-M16-0M5	M12A-8P-F-ST-FR-WL-M16-0M5	M12A-4P-M-ST-RR-WL-M16-0M5	M12A-17P-M-ST-RR-WL-M16-0M5	M12A-8P-F-ST-RR-WL-M16-0M5
M12A-4P-M-ST-FR-WL-M16-1M0	M12A-17P-M-ST-FR-WL-M16-1M0	M12A-8P-F-ST-FR-WL-M16-1M0	M12A-4P-M-ST-RR-WL-M16-1M0	M12A-17P-M-ST-RR-WL-M16-1M0	M12A-8P-F-ST-RR-WL-M16-1M0
M12A-5P-M-ST-FR-WL-PG9-0M3	M12A-3P-F-ST-FR-WL-PG9-0M3	M12A-12P-F-ST-FR-WL-PG9-0M3	M12A-5P-M-ST-RR-WL-PG9-0M3	M12A-3P-F-ST-RR-WL-PG9-0M3	M12A-12P-F-ST-RR-WL-PG9-0M3
M12A-5P-M-ST-FR-WL-PG9-0M5	M12A-3P-F-ST-FR-WL-PG9-0M5	M12A-12P-F-ST-FR-WL-PG9-0M5	M12A-5P-M-ST-RR-WL-PG9-0M5	M12A-3P-F-ST-RR-WL-PG9-0M5	M12A-12P-F-ST-RR-WL-PG9-0M5
M12A-5P-M-ST-FR-WL-PG9-1M0	M12A-3P-F-ST-FR-WL-PG9-1M0	M12A-12P-F-ST-FR-WL-PG9-1M0	M12A-5P-M-ST-RR-WL-PG9-1M0	M12A-3P-F-ST-RR-WL-PG9-1M0	M12A-12P-F-ST-RR-WL-PG9-1M0
M12A-5P-M-ST-FR-WL-M16-0M3	M12A-3P-F-ST-FR-WL-M16-0M3	M12A-12P-F-ST-FR-WL-M16-0M3	M12A-5P-M-ST-RR-WL-M16-0M3	M12A-3P-F-ST-RR-WL-M16-0M3	M12A-12P-F-ST-RR-WL-M16-0M3
M12A-5P-M-ST-FR-WL-M16-0M5	M12A-3P-F-ST-FR-WL-M16-0M5	M12A-12P-F-ST-FR-WL-M16-0M5	M12A-5P-M-ST-RR-WL-M16-0M5	M12A-3P-F-ST-RR-WL-M16-0M5	M12A-12P-F-ST-RR-WL-M16-0M5
M12A-5P-M-ST-FR-WL-M16-1M0	M12A-3P-F-ST-FR-WL-M16-1M0	M12A-12P-F-ST-FR-WL-M16-1M0	M12A-5P-M-ST-RR-WL-M16-1M0	M12A-3P-F-ST-RR-WL-M16-1M0	M12A-12P-F-ST-RR-WL-M16-1M0
M12A-8P-M-ST-FR-WL-PG9-0M3	M12A-4P-F-ST-FR-WL-PG9-0M3	M12A-17P-F-ST-FR-WL-PG9-0M3	M12A-8P-M-ST-RR-WL-PG9-0M3	M12A-4P-F-ST-RR-WL-PG9-0M3	M12A-17P-F-ST-RR-WL-PG9-0M3
M12A-8P-M-ST-FR-WL-PG9-0M5	M12A-4P-F-ST-FR-WL-PG9-0M5	M12A-17P-F-ST-FR-WL-PG9-0M5	M12A-8P-M-ST-RR-WL-PG9-0M5	M12A-4P-F-ST-RR-WL-PG9-0M5	M12A-17P-F-ST-RR-WL-PG9-0M5
M12A-8P-M-ST-FR-WL-PG9-1M0	M12A-4P-F-ST-FR-WL-PG9-1M0	M12A-17P-F-ST-FR-WL-PG9-1M0	M12A-8P-M-ST-RR-WL-PG9-1M0	M12A-4P-F-ST-RR-WL-PG9-1M0	M12A-17P-F-ST-RR-WL-PG9-1M0
M12A-8P-M-ST-FR-WL-M16-0M3	M12A-4P-F-ST-FR-WL-M16-0M3	M12A-17P-F-ST-FR-WL-M16-0M3	M12A-8P-M-ST-RR-WL-M16-0M3	M12A-4P-F-ST-RR-WL-M16-0M3	M12A-17P-F-ST-RR-WL-M16-0M3
M12A-8P-M-ST-FR-WL-M16-0M5	M12A-4P-F-ST-FR-WL-M16-0M5	M12A-17P-F-ST-FR-WL-M16-0M5	M12A-8P-M-ST-RR-WL-M16-0M5	M12A-4P-F-ST-RR-WL-M16-0M5	M12A-17P-F-ST-RR-WL-M16-0M5
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