

M8 Panel-Mount Receptacle, PCB Pins

M8 × 1.0 panel-mount receptacle with pcb pins. Male or female, straight front or rear mount, or right-angle front mount. A-coded 3, 4, 6 or 8 pin, B-coded 5 pin, D-coded 4 pin (female right-angle also P-coded 4 pin).



ORDERING CODE

M8[encoding]-[pins]P-[M/F]-[ST/RA]-[FR/RR]-PCB

CONNECTOR

M8 × 1.0, male or female

MOUNTING

Straight front or rear mount, or right-angle front mount

PINS AND CODING

A 3/4/6/8 · B 5 · D 4 · P 4 (F-RA)

PANEL THREAD

Set by style (see page 2)

TERMINATION

PCB pins

CONSTRUCTION

Standard	IEC 61076-2-104
Termination	Dip-solder PCB pins
Locking	M8 × 1.0 screw
Contacts	Brass, gold plated
Nut and shell	Brass, nickel plated
Insert	TPU
Seal	FKM
Panel thread	Male front: M8 × 1.0 · female front: M11 × 1.0 · rear: M8 × 0.5 · right-angle: M8 × 1.0 (male), M10 × 0.75 (female)

RATINGS BY PIN COUNT

3-pin A-coded	60 V · 3 A
4-pin A-coded	30 V · 3 A
6-pin A-coded	30 V · 1 A
8-pin A-coded	30 V · 1 A
5-pin B-coded	30 V · 3 A
4-pin D-coded	30 V · 3 A
4-pin P-coded	30 V · 3 A

GENERAL

Operating temp.	–25 to +85 °C
Current rating at	40 °C
Insulation resist.	≥ 100 MΩ
Contact resist.	≤ 5 mΩ
Mating cycles	> 100
Compliance	RoHS / REACH

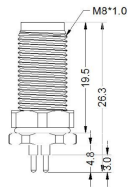
BUILT TO ORDER

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

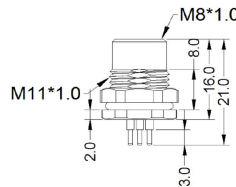
NEED SOMETHING DIFFERENT?

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

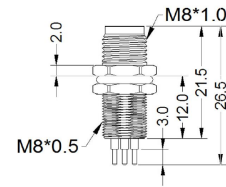
Dimensions, pin layouts and ordering



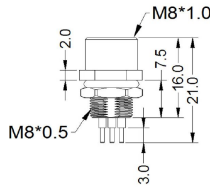
MALE, STRAIGHT, FRONT MOUNT



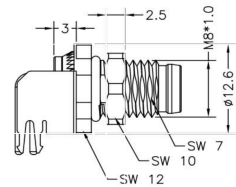
FEMALE, STRAIGHT, FRONT MOUNT



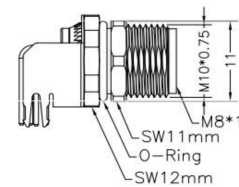
MALE, STRAIGHT, REAR MOUNT



FEMALE, STRAIGHT, REAR MOUNT

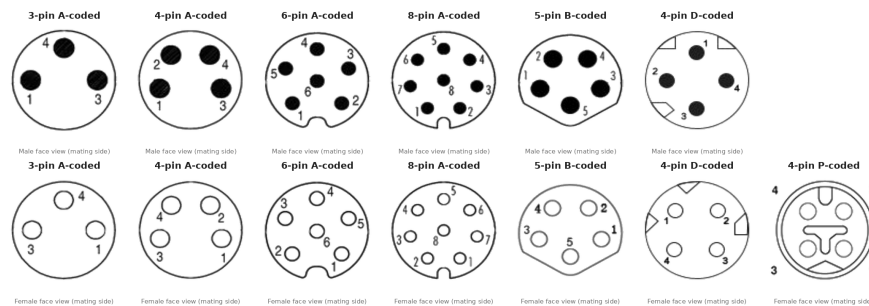


MALE, RIGHT-ANGLE, FRONT MOUNT



FEMALE, RIGHT-ANGLE, FRONT MOUNT

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



ORDERING CODE

M8A

- **4P**

- **F**

- **ST**

- **FR**

- **PCB**

M8 + coding: A, B, D, P pins

M = male, F = female ST or RA head

FR = front, RR = rear mount

pcb pins

Example: M8A-4P-F-ST-FR-PCB = 4-pin A-coded female straight receptacle, front mount, pcb pins.

STANDARD CONFIGURATIONS (35)

M8A-3P-M-ST-FR-PCB
M8A-4P-M-ST-FR-PCB
M8A-6P-M-ST-FR-PCB
M8A-8P-M-ST-FR-PCB
M8B-5P-M-ST-FR-PCB
M8D-4P-M-ST-FR-PCB
M8A-3P-F-ST-FR-PCB

M8A-4P-F-ST-FR-PCB
M8A-6P-F-ST-FR-PCB
M8A-8P-F-ST-FR-PCB
M8B-5P-F-ST-FR-PCB
M8D-4P-F-ST-FR-PCB
M8A-3P-M-ST-RR-PCB
M8A-4P-M-ST-RR-PCB

M8A-6P-M-ST-RR-PCB
M8A-8P-M-ST-RR-PCB
M8B-5P-M-ST-RR-PCB
M8D-4P-M-ST-RR-PCB
M8A-3P-F-ST-RR-PCB
M8A-4P-F-ST-RR-PCB
M8A-6P-F-ST-RR-PCB

M8A-8P-F-ST-RR-PCB
M8B-5P-F-ST-RR-PCB
M8D-4P-F-ST-RR-PCB
M8A-3P-M-RA-FR-PCB
M8A-4P-M-RA-FR-PCB
M8A-6P-M-RA-FR-PCB
M8A-8P-M-RA-FR-PCB

M8B-5P-M-RA-FR-PCB
M8A-3P-F-RA-FR-PCB
M8A-4P-F-RA-FR-PCB
M8A-6P-F-RA-FR-PCB
M8A-8P-F-RA-FR-PCB
M8B-5P-F-RA-FR-PCB
M8P-4P-F-RA-FR-PCB