

M12 X-Coded Panel-Mount Receptacle, PCB Pins

M12 × 1.0 X-coded panel-mount receptacle with PCB pins. Male or female; straight front or rear mount, or right-angle front mount. 8 pins. Common for industrial Ethernet.



ORDERING CODE

M12X-8P-[M/F]-[ST/RA]-[FR/RR]-PCB-[PG9/M16/M12]

CONNECTOR

M12 × 1.0, X-coded, male or female

MOUNTING

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

PINS

8

PANEL THREAD

PG9 or M16 or M12 (see notes)

TERMINATION

PCB pins

CONSTRUCTION

Standard	IEC 61076-2-101
Termination	PCB pins
Locking	M12 × 1.0 screw
Contacts	Brass, gold plated
Nut and shell	Brass, nickel plated
Insert	TPU
Seal	FKM
Shielding	Shielded

RATINGS

8-pin X-coded	60 V · 0.5 A
Male front, M16	30 V · 2 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

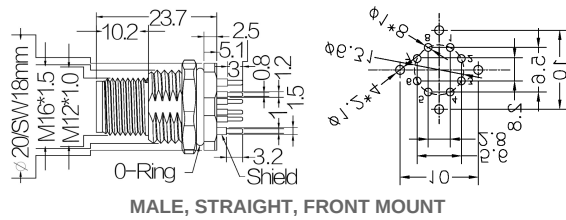
BUILT TO ORDER

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

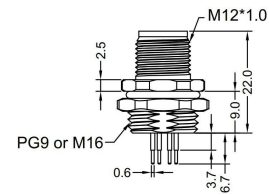
NEED SOMETHING DIFFERENT?

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

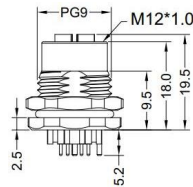
Dimensions, pin layout and ordering



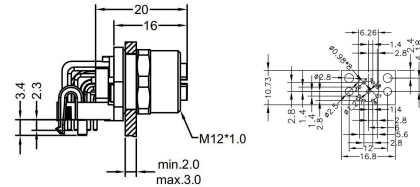
MALE, STRAIGHT, FRONT MOUNT



MALE, STRAIGHT, REAR MOUNT

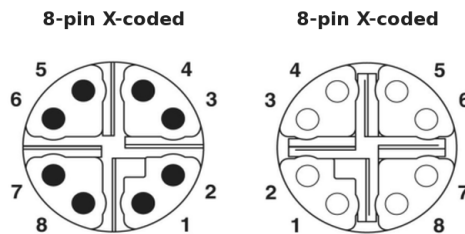


FEMALE, STRAIGHT, FRONT MOUNT



FEMALE, RIGHT-ANGLE, FRONT MOUNT

PIN LAYOUT, FACE VIEW (MATING SIDE); MALE LEFT, FEMALE RIGHT



Male face view (mating side)

Female face view (mating side)

ORDERING CODE

M12X

—

8P

—

M

—

ST

—

FR

—

PCB

—

M16

M12 X-coded

8 pins

M = male, F = female

ST or RA head

FR = front, RR = rear
mount

PCB pins

PG9/M16/M12 thread

Example: M12X-8P-M-ST-FR-PCB-M16 = 8-pin X-coded male straight, front mount receptacle, PCB pins, M16 thread.

STANDARD CONFIGURATIONS (6)

M12X-8P-M-ST-FR-PCB-M16
M12X-8P-M-ST-RR-PCB-PG9

M12X-8P-M-ST-RR-PCB-M16
M12X-8P-F-ST-FR-PCB-PG9

M12X-8P-F-ST-FR-PCB-M16
M12X-8P-F-RA-FR-PCB-M12