

## M12 A-Coded Panel-Mount Receptacle, Solder Cups

M12 × 1.0 A-coded panel-mount receptacle with solder cups. Male or female, straight front or rear mount; PG9 or M16 panel thread; 3, 4, 5, 8, 12 or 17 pins.



### ORDERING CODE

**M12A-[pins]P-[M/F]-ST-[FR/RR]-SC-[PG9/M16]**

### 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

**Solder cups**

### CONSTRUCTION

|                   |                              |
|-------------------|------------------------------|
| Standard          | IEC 61076-2-101              |
| Termination       | Solder cups                  |
| 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                          |

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

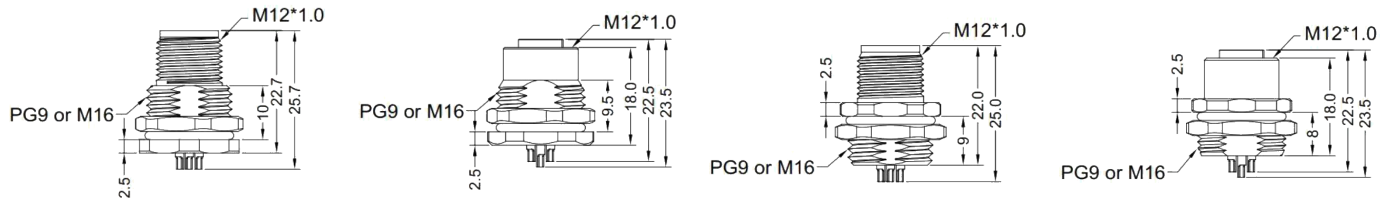
### BUILT TO ORDER

Standard versions ship in about 5 to 6 weeks. Request a quote on [formrep.com](http://formrep.com) or call 816-782-7800.

### NEED SOMETHING DIFFERENT?

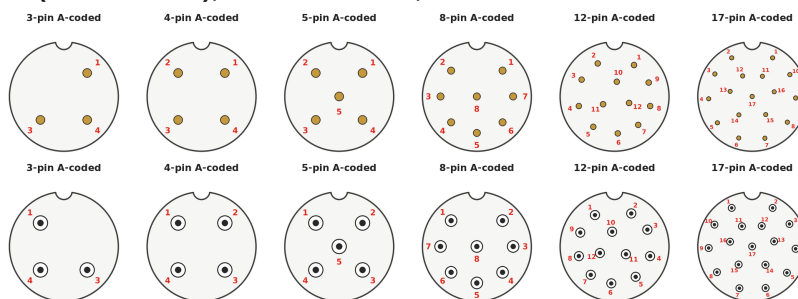
Other lead lengths, threads and pin counts may be available. Ask for a made-to-fit quote.

## 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** - **SC** - **PG9**  
M12 A-coded   pins   M = male, F = female   ST or RA head   FR = front, RR = rear mount   solder cups   PG9 or M16

Example: M12A-4P-F-ST-FR-SC-PG9 = 4-pin A-coded female straight receptacle, front mount, solder cups, PG9 panel thread.

### STANDARD CONFIGURATIONS (48)

|                         |                         |                         |                         |
|-------------------------|-------------------------|-------------------------|-------------------------|
| M12A-3P-M-ST-FR-SC-PG9  | M12A-3P-F-ST-FR-SC-PG9  | M12A-3P-M-ST-RR-SC-PG9  | M12A-3P-F-ST-RR-SC-PG9  |
| M12A-3P-M-ST-FR-SC-M16  | M12A-3P-F-ST-FR-SC-M16  | M12A-3P-M-ST-RR-SC-M16  | M12A-3P-F-ST-RR-SC-M16  |
| M12A-4P-M-ST-FR-SC-PG9  | M12A-4P-F-ST-FR-SC-PG9  | M12A-4P-M-ST-RR-SC-PG9  | M12A-4P-F-ST-RR-SC-PG9  |
| M12A-4P-M-ST-FR-SC-M16  | M12A-4P-F-ST-FR-SC-M16  | M12A-4P-M-ST-RR-SC-M16  | M12A-4P-F-ST-RR-SC-M16  |
| M12A-5P-M-ST-FR-SC-PG9  | M12A-5P-F-ST-FR-SC-PG9  | M12A-5P-M-ST-RR-SC-PG9  | M12A-5P-F-ST-RR-SC-PG9  |
| M12A-5P-M-ST-FR-SC-M16  | M12A-5P-F-ST-FR-SC-M16  | M12A-5P-M-ST-RR-SC-M16  | M12A-5P-F-ST-RR-SC-M16  |
| M12A-8P-M-ST-FR-SC-PG9  | M12A-8P-F-ST-FR-SC-PG9  | M12A-8P-M-ST-RR-SC-PG9  | M12A-8P-F-ST-RR-SC-PG9  |
| M12A-8P-M-ST-FR-SC-M16  | M12A-8P-F-ST-FR-SC-M16  | M12A-8P-M-ST-RR-SC-M16  | M12A-8P-F-ST-RR-SC-M16  |
| M12A-12P-M-ST-FR-SC-PG9 | M12A-12P-F-ST-FR-SC-PG9 | M12A-12P-M-ST-RR-SC-PG9 | M12A-12P-F-ST-RR-SC-PG9 |
| M12A-12P-M-ST-FR-SC-M16 | M12A-12P-F-ST-FR-SC-M16 | M12A-12P-M-ST-RR-SC-M16 | M12A-12P-F-ST-RR-SC-M16 |
| M12A-17P-M-ST-FR-SC-PG9 | M12A-17P-F-ST-FR-SC-PG9 | M12A-17P-M-ST-RR-SC-PG9 | M12A-17P-F-ST-RR-SC-PG9 |
| M12A-17P-M-ST-FR-SC-M16 | M12A-17P-F-ST-FR-SC-M16 | M12A-17P-M-ST-RR-SC-M16 | M12A-17P-F-ST-RR-SC-M16 |