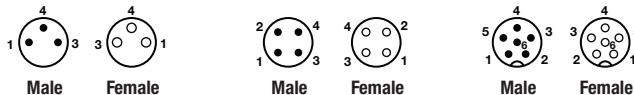
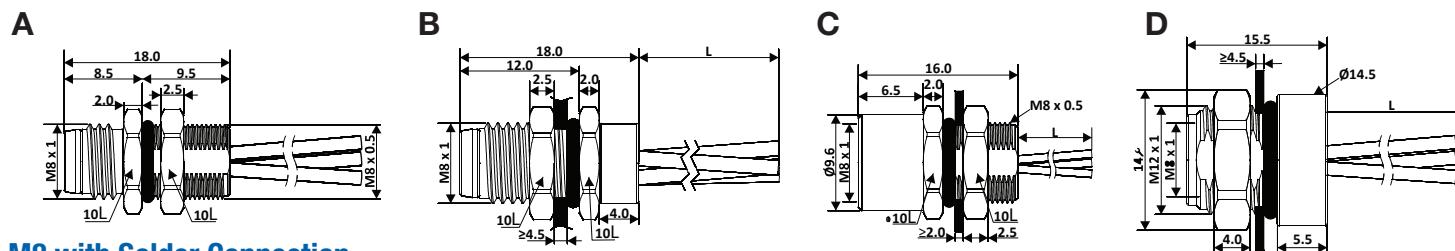


**Bulkhead Connectors | M8 - Panel Feed-Through Connectors**

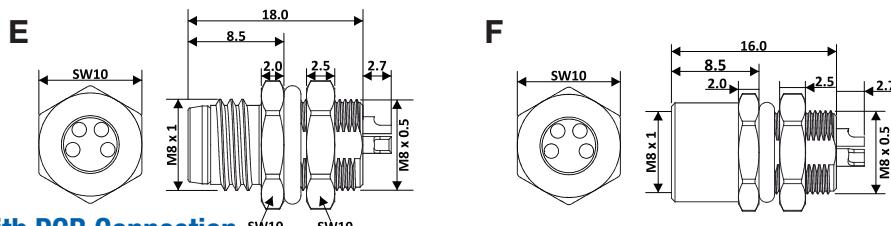
- Male/ Female M8 to open lead
- Solder versions
- PCB versions
- 3, 4, 6 pole Connectors
- Custom cable length available
- Brass Housing
- IP67 Rating
- A-Coding


**M8 with Assembled Wires (500mm length)**

Wire Type	Mounting	Male/ Female	Panel Thread	3 Pole Cat No.	4 Pole Cat No.	6 Pole Cat No.	Drawing No.
PVC	Front	Male	M08X0.5 mm	ALBKM08-FM8BR3-P5	ALBKM08-FM8BR4-P5	ALBKM08-FM8BR6-P5	A
		Female	M08X0.5 mm	ALBKF08-FM8BR3-P5	ALBKF08-FM8BR4-P5	ALBKF08-FM8BR6-P5	B
	Rear	Male	M08X0.5 mm	ALBKM08-RM8BR3-P5	ALBKM08-RM8BR4-P5	ALBKM08-RM8BR6-P5	C
		Female	M12x1mm	ALBKF08-RM12BR3-P5	ALBKF08-RM12BR4-P5	ALBKF08-RM8BR6-P5	D
TPE	Front	Male	M08X0.5 mm	ALBKM08-FM8BR3-T5	ALBKM08-FM8BR4-T5	ALBKM08-FM8BR6-T5	A
		Female	M08X0.5 mm	ALBKF08-FM8BR3-T5	ALBKF08-FM8BR4-T5	ALBKF08-FM8BR6-T5	B
	Rear	Male	M08X0.5 mm	ALBKM08-RM8BR3-T5	ALBKM08-RM8BR4-T5	ALBKM08-RM8BR6-T5	C
		Female	M12x1mm	ALBKF08-RM12BR3-T5	ALBKF08-RM12BR4-T5	ALBKF08-RM8BR6-T5	D

**Dimensions (mm) / (to convert to inches multiply by 0.03937)**

**M8 with Solder Connection**

Termination	Mounting	Male/ Female	Panel Thread	3 Pole Cat No.	4 Pole Cat No.	Drawing No.
Solder	Front	Male	M08X0.5 mm	ALBKM08-FM8BR3-SL	ALBKM08-FM8BR4-SL	E
		Female	M08X0.5 mm	ALBKF08-FM8BR3-SL	ALBKF08-FM8BR4-SL	F

**Dimensions (mm) / (to convert to inches multiply by 0.03937)**

**M8 with PCB Connection**

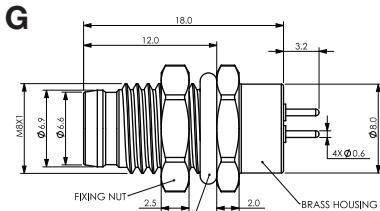
Termination	Mounting	Male/ Female	Panel Thread	3 Pole Cat No.	4 Pole Cat No.	Drawing No.
PCB	Front	Male	M08X0.5 mm	ALBKM08-RM8BR3-S0	ALBKM08-RM8BR4-S0	G

**Technical Information**
**General Specification**

Operating Voltage	60V/ 30V (3,4 pole)
Current Rating	3A
Insulation Resistance	>=100 MΩ
Temperature Range	-25°C...+75°C
Protection Degree	IP67

**Material Specification**

Housing Material	Brass Ni Plated
Contact	CU-Zn
Contact Plating	Gold Plated
Contact Carrier	Nylon 66
O-Ring	Neoprene



## Overview and Ordering Information

### Molded Sensor & Actuator Cable Assemblies

- Female/ Male Connectors to Open Cable
- Straight and Angled Connectors
- PVC and PUR Cables
- M8 and M12 versions
- 2, 5, 10m standard length
- Custom length available



CB	F	12	-	S	4	4	N	0	-	02	B	PVC	Cable Type / Cross Section
<b>TYPE</b> CB = Cable Assembly				<b>Orientation</b> S = Straight R = Right Angled		<b>No. Wires</b> 3 4 5		<b>LEDs</b> 0 2 3		<b>Cable Length</b> 02 = 2m 05 = 5m 10 = 10m -			
<b>M/F</b> M = Male F = Female	<b>Size</b> 08 = M8 12 = M12			<b>Pins</b> 4 5 8 12		<b>Shielded</b> S = Shielded N = Non Shielded				<b>Cable Color</b> B = Black G = Green U = Blue O = Orange T = Teal Y = Yellow			
													P34 : PVC 22AWG P75 : PVC 18 AWG PTFE

### Field-Wired Connectors

- Female/ Male Versions
- M8 and M12 versions
- Straight and Angled Connectors
- M8: 3, 4 pole
- M12: 4, 5, 8 pole
- Screw/ Solder Terminals
- A-Coding



1	2	3	-	4	5	6	7	8	-	9	10	11	Cable Outlet
CN	F	12	-	S	3	S	P	0	-	B	P	7	7 = PG7 9 = PG9
<b>TYPE</b> CN = Field-Wired Connector				<b>Orientation</b> S = Straight R = Right Angled		<b>Connection</b> S = Screw L = Solder		<b>LEDs</b> 0 2 3		<b>Coupling Nut</b> B = Brass P = Plastic			
<b>M/F</b> M = Male F = Female	<b>Size</b> 08 = M08 12 = M12			<b>Pins</b> 3 4 5		<b>Housing Material</b> P = Plastic (PA66) B = Brass S = Stainless Steel Z = Zinc Die Cast				<b>Cable Outlet MOC</b> P = Plastic B = Brass Z = Zinc Casted S = Stainless Steel			

### Bulkhead/ Panel-Mount Connector

- Female/ Male Versions
- M8 and M12 versions
- Front/ Rear Mount connectors
- M8: 3, 4 pole
- M12: 4, 5, 8, 12 pole
- Custom cable length
- A-Coding



1	2	3	-	4	5	6	7	8	-	9	10	
ALBK	F	12	-	F	P	B	R	5	-	P	2	
<b>TYPE</b> ALBK = Bulkhead/ Panel-Mount Connector				<b>Mounting</b> F = Front R = Rear		<b>Nut Material</b> B = Brass P = Plastic S = Stainless		<b>No. Pins</b> 3 4 5		<b>Termination</b> P = Pre-Wired S = Solder / Screw / PCB		
<b>Male/Female</b> M = Male F = Female	<b>Type</b> 08 = M8 12 = M12			<b>Thread</b> P = PG9 M = M16 M20 = M20 M8 = M8 M10 = M10		<b>Housing Material</b> L = Plastic R = Brass S = Stainless		<b>Cable / Wire Length</b> 0 = No Wire/PCB L = Solder 1 = 100mm 2 = 200mm 3 = 300mm 5 = 500mm				

# Mouser Electronics

Authorized Distributor

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[ALBKF08-RM12BR3-P5](#) [ALBKF08-RM12BR4-P5](#) [ALBKF08-FM8BR3-P5](#) [ALBKF08-FM8BR3-P5-E](#) [ALBKF08-FM8BR3-SL](#) [ALBKF08-FM8BR4-P5](#) [ALBKF08-FM8BR4-SL](#) [ALBKF12-FMBR12-P2](#) [ALBKF12-FMBR12-S0](#) [ALBKF12-FMBR4-P2](#) [ALBKF12-FMBR4-S0](#) [ALBKF12-FMBR4-SL](#) [ALBKF12-FMBR5-P2](#) [ALBKF12-FMBR5-S0](#) [ALBKF12-FMBR5-SL](#) [ALBKF12-FMBR8-P2](#) [ALBKF12-FMBR8-S0](#) [ALBKF12-FPBR12-P2](#) [ALBKF12-FPBR12-S0](#) [ALBKF12-FPBR4-P2](#) [ALBKF12-FPBR4-S0](#) [ALBKF12-FPBR5-P2](#) [ALBKF12-FPBR5-S0](#) [ALBKF12-FPBR8-P2](#) [ALBKF12-FPBR8-S0](#) [ALBKF12-RMBR12-P2](#) [ALBKF12-RMBR12-S0](#) [ALBKF12-RMBR4-S0](#) [ALBKF12-RMBR5-P2](#) [ALBKF12-RMBR5-S0](#) [ALBKF12-RMBR8-P2](#) [ALBKF12-RMBR8-S0](#) [ALBKF12-RPBR12-P2](#) [ALBKF12-RPBR12-S0](#) [ALBKF12-RPBR4-P2](#) [ALBKF12-RPBR4-S0](#) [ALBKF12-RPBR5-P2](#) [ALBKF12-RPBR5-S0](#) [ALBKF12-RPBR8-P2](#) [ALBKF12-RPBR8-S0](#) [ALBKF12-FMBR12-P2](#) [ALBKF12-FMBR12-S0](#) [ALBKF12-FMBR4-P2](#) [ALBKF12-FMBR4-S0](#) [ALBKF12-FMBR4-SL](#) [ALBKF12-FMBR5-P2](#) [ALBKF12-FMBR5-S0](#) [ALBKF12-FMBR8-P2](#) [ALBKF12-FPBR12-P2](#) [ALBKF12-FPBR12-S0](#) [ALBKF12-FPBR4-P2](#) [ALBKF12-FPBR4-S0](#) [ALBKF12-FPBR5-P2](#) [ALBKF12-FPBR5-S0](#) [ALBKF12-FPBR8-P2](#) [ALBKF12-FPBR8-S0](#) [ALBKF12-RMBR4-P2](#) [ALBKF12-RMBR4-S0](#) [ALBKF12-RMBR5-P2](#) [ALBKF12-RMBR5-S0](#) [ALBKF12-RMBR8-P2](#) [ALBKF12-RPBR12-P2](#) [ALBKF12-RPBR12-S0](#) [ALBKF12-RPBR4-P2](#) [ALBKF12-RPBR4-S0](#) [ALBKF12-RPBR5-P2](#) [ALBKF12-RPBR5-S0](#) [ALBKF12-RPBR8-P2](#) [ALBKF12-RPBR8-S0](#) [ALBKF12-RPBR5-P2](#) [ALBKF12-RPBR5-S0](#) [ALBKF12-RPBR8-P2](#) [ALBKF12-RPBR8-S0](#) [ALBKF08-RM10BR6-P5](#) [ALBKM12-R12BR4-S0](#) [ALBKM12-R12BR12-S0](#) [ALBKF08-RM12BR3-T5](#) [ALBKM12-R12BR8-S0](#) [ALBKF08-RM8BR6-P5](#) [ALBKF08-RM12BR4-T5](#)