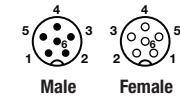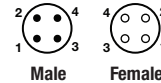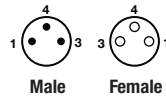## Bulkhead Connectors | M8 - Panel Feed-Through Connectors

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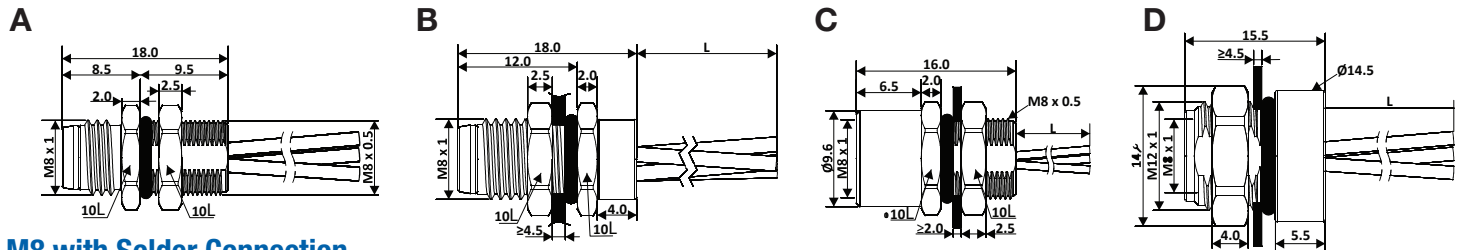- Brass Housing
- IP67 Rating
- A-Coding

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

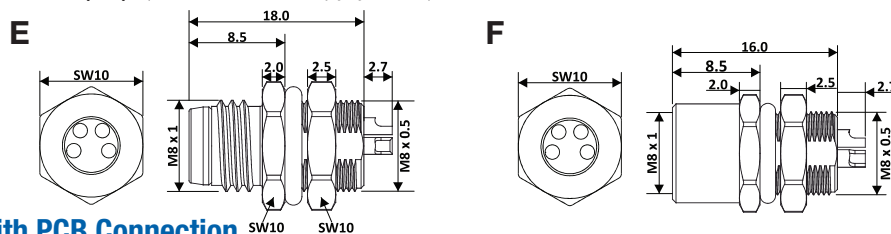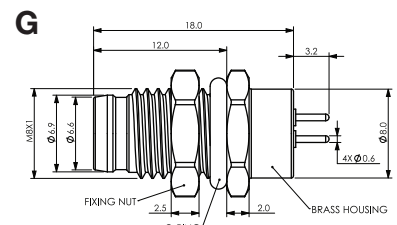| Termination	Mounting	Male/ Female	Panel Thread	3 Pole Cat No.	4 Pole Cat No.	Drawing No.
Solder	Front	Male	M08X0.5 mm	ALBKM08-FM8BR3-SL	ALBKM08-FM8BR4-SL	E
		Female	M08X0.5 mm	ALBKF08-FM8BR3-SL	ALBKF08-FM8BR4-SL	F

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

TYPE
CB = Cable Assembly

M/F
M = Male
F = Female

Size
08 = M8
12 = M12

Orientation
S = Straight
R = Right Angled

Pins
4
5
8
12

No. Wires
3
4
5
8
12

Shielded
S = Shielded
N = Non Shielded

LEDs
0
2
3

Cable Length
02 = 2m
05 = 5m
10 = 10m
–

Cable Color
B = Black   O = Orange
G = Green   T = Teal
U = Blue   Y = Yellow

Cable Type / Cross Section
PVC
PUR
TPE
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
CN	F	12	–	S	3	S	P	0	–	B	P	7

TYPE
CN = Field-Wired Connector

M/F
M = Male
F = Female

Size
08 = M08
12 = M12

Orientation
S = Straight
R = Right Angled

Pins
3
4
5

Connection
S = Screw
L = Solder

Housing Material
P = Plastic (PA66)
B = Brass
S = Stainless Steel
Z = Zin Die Cast

LEDs
0
2
3

Coupling Nut
B = Brass
P = Plastic

Cable Outlet MOC
P = Plastic
B = Brass
Z = Zinc Casted
S = Stainless Steel

Cable Outlet
7 = PG7
9 = PG9

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

TYPE
ALBK = Bulkhead/ Panel-Mount Connector

Male/Female
M = Male
F = Female

Type
08 = M8
12 = M12

Mounting
F = Front
R = Rear

Thread
P = PG9
M = M16
M20 = M20
M8 = M8
M10 = M10

Nut Material
B = Brass
P = Plastic
S = Stainless

Housing Material
L = Plastic
R = Brass
S = Stainless

No. Pins
3
4
5
8
12

Termination
P = Pre-Wired
S = Solder / Screw / PCB

Cable / Wire Length
0 = No Wire/PCB
L = Solder
1 = 100mm
2 = 200mm
3 = 300mm
5 = 500mm

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Altech](#):

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 ALBKM12-FMBR12-P2 ALBKM12-FMBR12-S0 ALBKM12-FMBR4-P2 ALBKM12-FMBR4-S0 ALBKM12-FMBR4-SL ALBKM12-FMBR5-P2 ALBKM12-FMBR5-S0 ALBKM12-FMBR5-SL ALBKM12-FMBR8-P2 ALBKM12-FMBR8-S0 ALBKM12-FPBR12-P2 ALBKM12-FPBR12-S0 ALBKM12-FPBR4-P2 ALBKM12-FPBR4-S0 ALBKM12-FPBR5-P2 ALBKM12-FPBR5-S0 ALBKM12-FPBR8-P2 ALBKM12-FPBR8-S0 ALBKM12-RMBR12-P2 ALBKM12-RMBR12-S0 ALBKM12-RMBR4-P2 ALBKM12-RMBR4-S0 ALBKM12-RMBR5-P2 ALBKM12-RMBR5-S0 ALBKM12-RMBR8-P2 ALBKM12-RMBR8-S0 ALBKM12-RPBR12-P2 ALBKM12-RPBR12-S0 ALBKM12-RPBR4-P2 ALBKM12-RPBR4-S0 ALBKM12-RPBR5-P2 ALBKM12-RPBR5-S0 ALBKM12-RPBR8-P2 ALBKM12-RPBR8-S0 ALBKM12-R12BR5-S0 ALBKF08-RM10BR6-P5 ALBKM12-R12BR4-S0 ALBKM12-R12BR12-S0 ALBKF08-RM12BR3-T5 ALBKM12-R12BR8-S0 ALBKF08-RM8BR6-P5 ALBKF08-RM12BR4-T5 ALBKF08-FM8BR3-T5 ALBKF08-FM8BR3-T5-E ALBKF08-FM8BR4-T5 ALBKF08-FM8BR6-P5-E ALBKF08-FM8BR6-P5 ALBKF12-FMBR4-SR ALBKF12-RMBR8-02BPUR ALBKM12-FM20BR8-P2 ALBKM12-FPBR4-T5 ALBKM12-RMBR8-P3 ALBKF12-FM20BR5-P2 ALBKF12-FMBR12-P5 ALBKF12-RMBR12-P5 ALBKF12-RMBR4-01BPUR-ST ALBKF12-RMBR5-SH0 ALBKF12-RPBR12-T5 ALBKM12-FPBR5-T5 ALBKM12-RMBR4-05BPVC-ST