MP Hybrid Connectors and Cable Assemblies

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MP002498

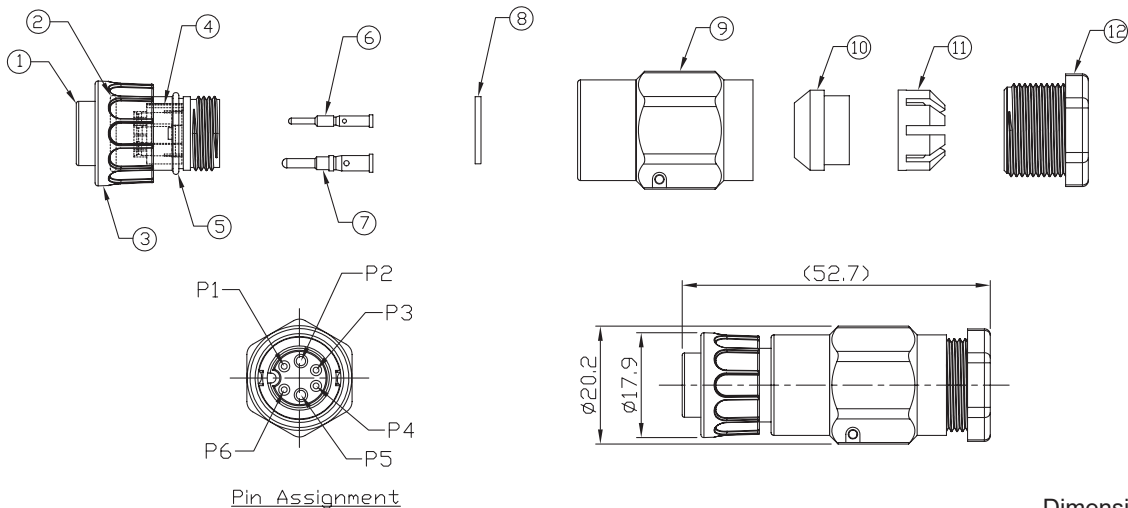C2 5A+10A 4P+2P Field Install able Cable end Male Crimp Lock

Specifications

IP Rating	: IP67
Recommend Cable Diameter	: 5mm to 6mm
Recommend Cover Torque	: 6 to 7Kg-cm
Recommend Gland Nut Torque	: 9 to 10Kg-cm

Diagram

Pin Assignment

Dimensions : Millimetres

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	O-Ring	Silicone; Colour: Red	
3	Lock Nut	Thermoplastic; Colour: Black	
4	Base	Thermoplastic; Colour: Black	
5	O-Ring	Silicone; Colour: Red	
6	Contacts (5A)	Copper Alloy; Finish: Au Plated	4
7	Contacts (10A)	Copper Alloy; Finish: Au Plated	2
8	Gasket	Silicone; Colour: Black	1
9	Cover	Thermoplastic; Colour: Black	
10	Gland	Silicone; Colour: Green	
11	Cage	Thermoplastic; Colour: White	
12	Gland Nut	Thermoplastic; Colour: Black	

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MP002499

C2 5A+10A 4P+2P Field Install able Cable to Cable Female Crimp Lock

Specifications

IP Rating	: IP67
Recommend Cable Diameter	: 5mm to 6mm
Recommend Cover Torque	: 6 to 7Kg-cm
Recommend Gland Nut Torque	: 9 to 10Kg-cm

Diagram

Pin Assignment

Dimensions : Millimetres
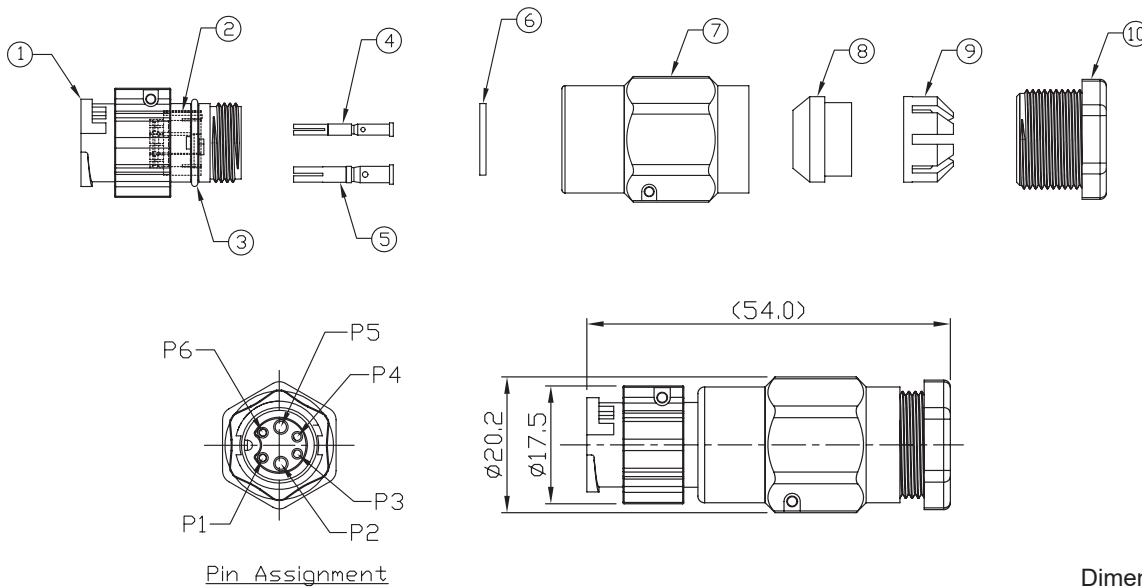
No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Base	Thermoplastic; Colour: Black	
3	O-Ring	Silicone; Colour: Red	
4	Contacts (5A)	Copper Alloy; Finish: Au Plated	4
5	Contacts (10A)	Copper Alloy; Finish: Au Plated	2
6	Gasket	Silicone; Colour: Black	1
7	Cover	Thermoplastic; Colour: Black	
8	Gland	Silicone; Colour: Green	
9	Cage	Thermoplastic; Colour: White	
10	Gland Nut	Thermoplastic; Colour: Black	

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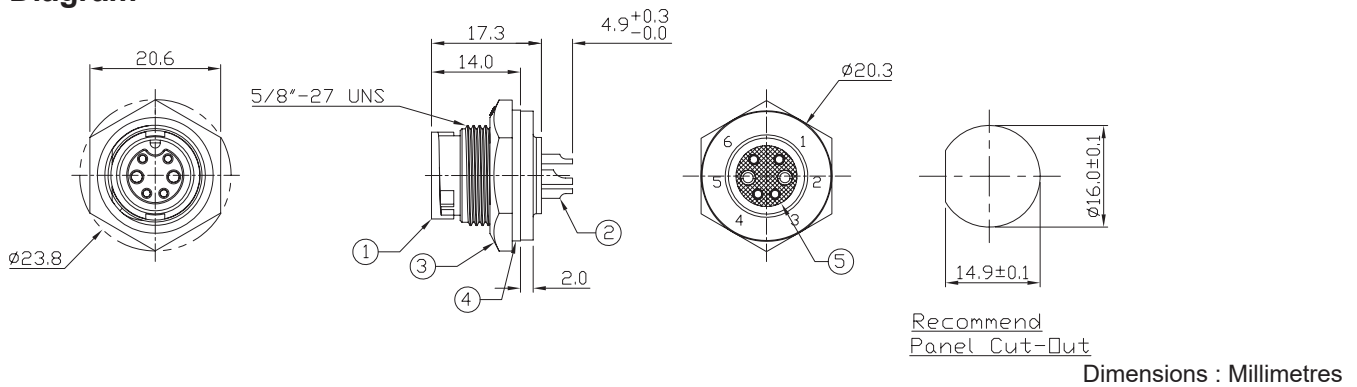
MP Hybrid Connectors and Cable Assemblies

MP002500

C2 5A+10A 6P Panel Female Solder Lock

Specifications

IP Rating	: IP67	
Recommend Panel Thickness	: 0.8mm to 4mm	
Recommend Torque	: 9 to 10Kg-cm	

Diagram

5/8"-27 UNS

20.6
Ø23.8
17.3
14.0
4.9 +0.3 −0.0
2.0
Ø20.3
Ø16.0±0.1
14.9±0.1

Recommend Panel Cut-Out

Dimensions : Millimetres

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Contacts	Copper Alloy; Finish: Au Plated	6
3	Hex Nut	Thermoplastic; Colour: Black	1
4	Gasket	Silicone; Colour: Black	
5	Glue	Epoxy; Colour: Black	-

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MP002501

C2 10A+1A 2P+10P Panel Rear Mount Female Solder Lock (Code A)

Specifications

IP Rating	: IP67
Recommend Panel Thickness	: 0.8mm to 4mm
Recommend Torque	: 9 to 10Kgf-cm

Diagram

Dimensions : Millimetres

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Gasket	Silicone; Colour: Black	
3	Spanner Nut	Thermoplastic; Colour: Black	
4	Contacts	Copper Alloy; Finish: Au Plated	12
5	Glue	Epoxy; Colour: Black	-

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MP002502

C2 10A+1A 2P+10P Panel Rear Mount Male Solder Lock (Code A)

Specifications

IP Rating	: IP67
Recommend Panel Thickness	: 0.8mm to 3.5mm
Recommend Torque	: 9 to 10Kgf-cm
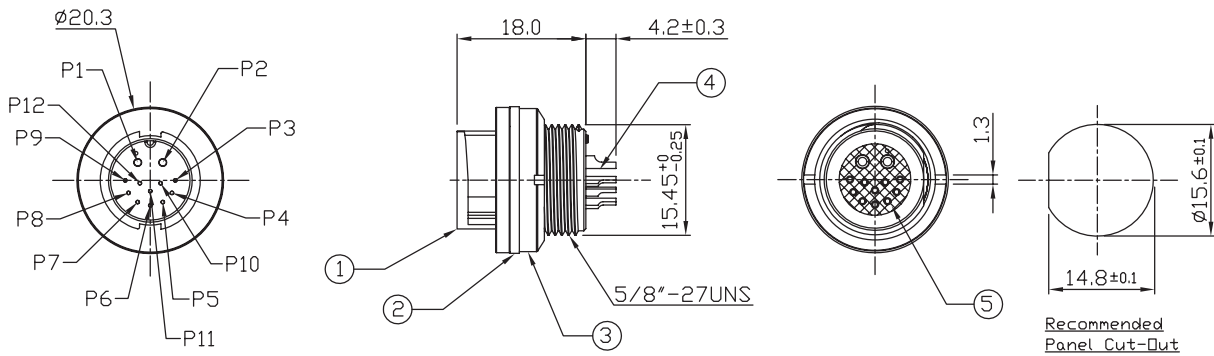
Diagram

Dimensions : Millimetres

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Gasket	Silicone; Colour: Black	
3	Spanner Nut	Thermoplastic; Colour: Black	
4	Contacts	Copper Alloy; Finish: Au Plated	12
5	Glue	Epoxy; Colour: Black	-

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MP002503

C2 10A+1A 2P+10P Cable end Female Lock (Code A)

Specification

IP Rating	: IP67

Diagram

Wiring Diagram

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Contacts	Copper Alloy; Finish: Au Plated	12
3	O-Ring	Silicone; Colour: Red	1
4	Lock Nut	Thermoplastic; Colour: Black	
5	Inner Mold	Thermoplastic; Colour: White or Black	
6	Over Mold	PVC; Colour: Black	
7	Cable	UL2464 18AWG×2C+26AWG×10C+D+AL/My, OD=8mm; Colour: Black	

Dimensions : Millimetres

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MP002504

C2 10A+1A 2P+10P Cable end Male Lock (Code A)

Specification

IP Rating	: IP67

Diagram

2000mm ±100   49.25   ø17.9
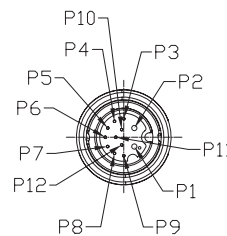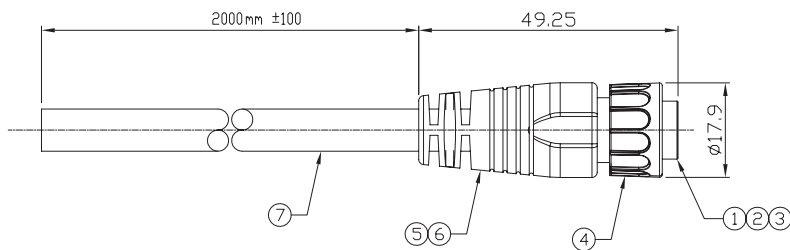
1	Black
2	Red
3	Brown
4	Orange
5	Yellow
6	Green
7	Blue
8	Purple
9	Gray
10	White
11	Pink
12	Black/White

Wiring Diagram

Dimensions : Millimetres

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Contacts	Copper Alloy; Finish: Au Plated	12
3	O-Ring	Silicone; Colour: Red	1
4	Lock Nut	Thermoplastic; Colour: Black	
5	Inner Mold	Thermoplastic; Colour: White or Black	
6	Over Mold	PVC; Colour: Black	
7	Cable	UL2464 18AWG×2C+26AWG×10C+D+AL/My, OD=8mm; Colour: Black	

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MP002505

Hybrid C3 15A+2A 2P+2P Panel Female Solder Lock

Specifications

IP Rating	: IP67
Recommend Panel Thickness	: 0.8mm to 4mm
Recommend Torque	: 6 to 7Kgf-cm

Diagram
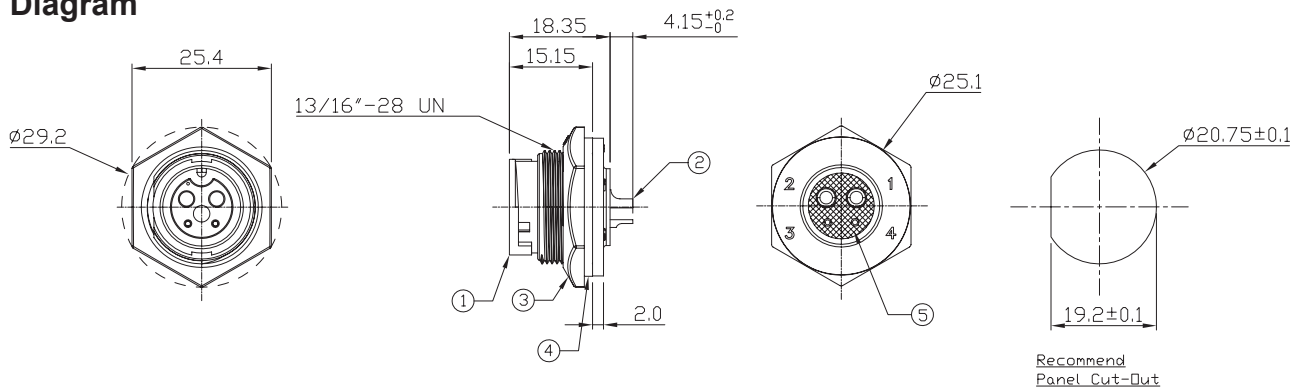
Dimensions : Millimetres

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Contacts	Copper Alloy; Finish: Au Plated	4
3	Hex Nut	Thermoplastic; Colour: Black	1
4	Gasket	Silicone; Colour: Black	
5	Glue	Epoxy; Colour: Black	-

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MP002506

C3 10A+2A 3P+2P Panel Female Solder Lock

Specifications

IP Rating	:	IP67
Recommend Panel Thickness	:	0.8mm to 4mm
Recommend Torque	:	6 to 7Kgf-cm

Diagram

13/16"−28 UN

25.4
Ø29.2
18.35
15.15
6.5
4.15
2.0
Ø25.1
20.75±0.1
19.2±0.1

Recommend Panel Cut-Out
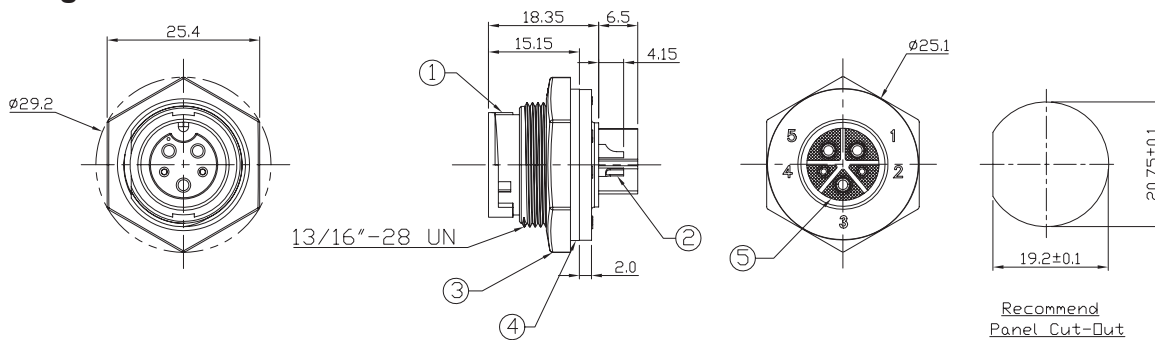
Dimensions : Millimetres

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Contacts	Copper Alloy; Finish: Au Plated	5
3	Hex Nut	Thermoplastic; Colour: Black	1
4	Gasket	Silicone; Colour: Black	
5	Glue	Epoxy; Colour: Black	-

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MP002507

Hybrid C3 10A+2A 3P+2P Cable End Male Lock with PU Cable

Specification

IP Rating : IP67
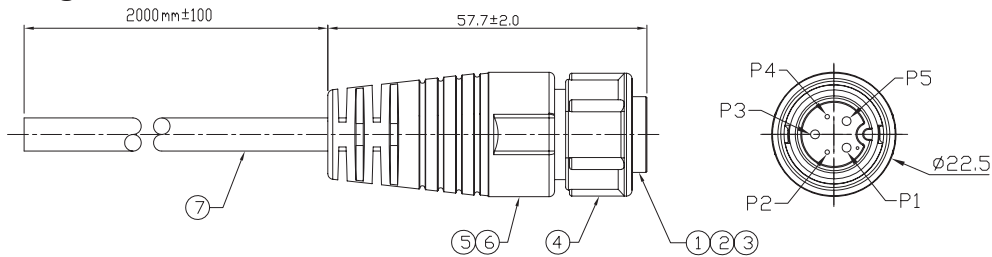
Diagram

Dimensions : Millimetres

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Contacts	Copper Alloy; Finish: Au Plated	5
3	O-Ring	Silicone; Colour: Red	1
4	Lock Nut	Thermoplastic; Colour: Black	
5	Inner Mold	Thermoplastic; Colour: White or Black	
6	Over Mold	TPE; Colour: Black	
7	Cable	UL20549 16AWG×3C+26AWG×2C+Al/My+D OD=6.9mm, PU, Colour: Black	

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MP Hybrid Connectors and Cable Assemblies

MP002508

Hybrid C3 15A+2A 2P+2P Cable End Male Lock

Specification

IP Rating : IP67

Diagram
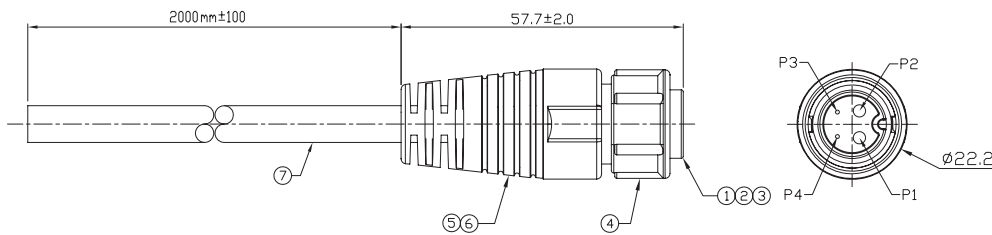
Wiring Diagram

1	Red
2	Brown
3	Blue
4	White

Dimensions : Millimetres

No.	Part Name	Material/Finish	Qty.
1	Housing	Thermoplastic; Colour: Black	1
2	Contacts	Copper Alloy; Finish: Au Plated	4
3	O-Ring	Silicone; Colour: Red	
4	Lock Nut	Thermoplastic; Colour: Black	
5	Inner Mold	Thermoplastic; Colour: White or Black	1
6	Over Mold	PVC; Colour: Black	
7	Cable	UL20549 16AWG×3C+26AWG×2C+Al/My+D OD=7.5mm, PU, Colour: Black	

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Part Number Table

Description	Part Number
Circular Connector, 4P+2P, Male, IP67	MP002498
Circular Connector, 4P+2P, Female, IP67	MP002499
Circular Connector, 2P+10P, Female Panel Rear Mount, IP67	MP002501
Circular Connector, 2P+10P, Male Panel Rear Mount, IP67	MP002502
Circular Cable Assembly 10P + 2P Female C2 Panel to Free End, Black, 2m, IP67	MP002503
Circular Cable Assembly 10P + 2P Male C2 Panel to Free End, Black, 2m, IP67	MP002504
Hybrid Circular Connector, 2P+2P, Female, C3 Panel Mount, IP67	MP002505
Circular Connector, 3P+2P, Female, C2 Panel Mount, IP67	MP002506
Circular Cable Assembly, 3P + 2P Male C3 Panel to Free End, Black, 2m, IP67	MP002507
Circular Cable Assembly, 2P + 2P Male C3 Panel to Free End, Black, 2m, IP67	MP002508
Circular Connector, 4P+2P, Female, C2 Panel Mount, IP67	MP002500

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