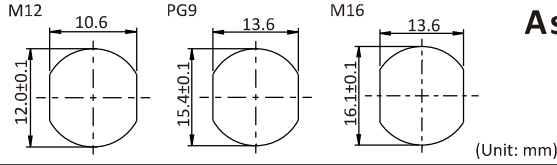


M12 A-Code

Bulkhead / Receptacle, Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	3
Coding	A
Rated Voltage (AC/DC)	250V
Nominal current	4A
Pin Assignment	MM FF
MM: Male Connector Male Contact FF: Female Connector Female Contact	

M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut

PG9				
<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p>	Plastic	Solder Pins	MSAP-03PMMS-SF8001*	MSAP-03PFFS-SF8001*
		Straight PCB	MSAP-03PMMP-SF8001*	MSAP-03PFFP-SF8001*
		Right Angle PCB	MSAP-03PMMR-SF8001*	MSAP-03PFFR-SF8001*
	Metal Nut	Solder Pins	M12A-03PMMS-SF8001	M12A-03PFFS-SF8001
		Straight PCB	M12A-03PMMP-SF8001	M12A-03PFFP-SF8001
		Right Angle PCB	M12A-03PMMR-SF8001	M12A-03PFFR-SF8001
	Shielded	Solder Pins	MSAS-03PMMS-SF8001	MSAS-03PFFS-SF8001
		Straight PCB	MSAS-03PMMP-SF8001	MSAS-03PFFP-SF8001
		Right Angle PCB	MSAS-03PMMR-SF8001*	MSAS-03PFFR-SF8001*
	Stainless	Solder Pins	SM12A-03PMMS-SF8001*	SM12A-03PFFS-SF8001*
		Straight PCB	SM12A-03PMMP-SF8001*	SM12A-03PFFP-SF8001*
		Right Angle PCB	SM12A-03PMMR-SF8001	SM12A-03PFFR-SF8001*
Stainless Shielded	Solder Pins	SMSAS-03PMMS-SF8001*	SMSAS-03PFFS-SF8001*	
	Straight PCB	SMSAS-03PMMP-SF8001*	SMSAS-03PFFP-SF8001*	
	Right Angle PCB	SMSAS-03PMMR-SF8001*	SMSAS-03PFFR-SF8001*	

M16 x 1.5				
<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p> <p>(Plastic, FF)</p>	Plastic	Solder Pins	MSAP-03PMMS-SF8002*	MSAP-03PFFS-SF8002
		Straight PCB	MSAP-03PMMP-SF8002*	MSAP-03PFFP-SF8002
		Right Angle PCB	MSAP-03PMMR-SF8002*	MSAP-03PFFR-SF8002
	Metal Nut	Solder Pins	M12A-03PMMS-SF8002	M12A-03PFFS-SF8002
		Straight PCB	M12A-03PMMP-SF8002	M12A-03PFFP-SF8002
		Right Angle PCB	M12A-03PMMR-SF8002	M12A-03PFFR-SF8002
	Shielded	Solder Pins	MSAS-03PMMS-SF8002	MSAS-03PFFS-SF8002
		Straight PCB	MSAS-03PMMP-SF8002	MSAS-03PFFP-SF8002
		Right Angle PCB	MSAS-03PMMR-SF8002*	MSAS-03PFFR-SF8002*
	Stainless	Solder Pins	SM12A-03PMMS-SF8002*	SM12A-03PFFS-SF8002*
		Straight PCB	SM12A-03PMMP-SF8002*	SM12A-03PFFP-SF8002*
		Right Angle PCB	SM12A-03PMMR-SF8002*	SM12A-03PFFR-SF8002*
Stainless Shielded	Solder Pins	SMSAS-03PMMS-SF8002*	SMSAS-03PFFS-SF8002*	
	Straight PCB	SMSAS-03PMMP-SF8002*	SMSAS-03PFFP-SF8002*	
	Right Angle PCB	SMSAS-03PMMR-SF8002*	SMSAS-03PFFR-SF8002*	

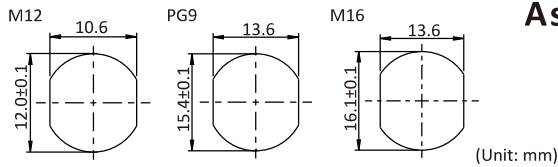
M12 x 1.0				
<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p> <p>(Plastic, MM)</p>	Plastic	Solder Pins	MSAP-03PMMS-SF8003*	MSAP-03PFFS-SF8003*
		Straight PCB	MSAP-03PMMP-SF8003*	MSAP-03PFFP-SF8003*
		Right Angle PCB	MSAP-03PMMR-SF8003	MSAP-03PFFR-SF8003*
	Metal Nut	Solder Pins	M12A-03PMMS-SF8003*	M12A-03PFFS-SF8003*
		Straight PCB	M12A-03PMMP-SF8003*	M12A-03PFFP-SF8003*
		Right Angle PCB	M12A-03PMMR-SF7003*	M12A-03PFFR-SF7003*
	Shielded	Solder Pins	MSAS-03PMMS-SF8003*	MSAS-03PFFS-SF8003*
		Straight PCB	MSAS-03PMMP-SF8003*	MSAS-03PFFP-SF8003*
		Right Angle PCB	MSAS-03PMMR-SF8003*	MSAS-03PFFR-SF8003*
	Stainless	Solder Pins	SM12A-03PMMS-SF8003*	SM12A-03PFFS-SF8003*
		Straight PCB	SM12A-03PMMP-SF8003*	SM12A-03PFFP-SF8003*
		Right Angle PCB	SM12A-03PMMR-SF8003*	SM12A-03PFFR-SF8003*
Stainless Shielded	Solder Pins	SMSAS-03PMMS-SF8003*	SMSAS-03PFFS-SF8003*	
	Straight PCB	SMSAS-03PMMP-SF8003*	SMSAS-03PFFP-SF8003*	
	Right Angle PCB	SMSAS-03PMMR-SF8003*	SMSAS-03PFFR-SF8003*	

* Upon Request

M12 A-Code

Bulkhead / Receptacle, Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	4
Coding	A
Rated Voltage (AC/DC)	250V
Nominal current	4A
Pin Assignment	MM FF
MM: Male Connector Male Contact FF: Female Connector Female Contact	

M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut

PG9

<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p>	Plastic	Solder Pins	MSAP-04PMMS-SF8001*	MSAP-04PFFS-SF8001*
		Straight PCB	MSAP-04PMMP-SF8001*	MSAP-04PFFP-SF8001*
		Right Angle PCB	MSAP-04PMMR-SF8001*	MSAP-04PFFR-SF8001*
	Metal Nut	Solder Pins	M12A-04PMMS-SF8001	M12A-04PFFS-SF8001
		Straight PCB	M12A-04PMMP-SF8001	M12A-04PFFP-SF8001
		Right Angle PCB	M12A-04PMMR-SF8001	M12A-04PFFR-SF8001
	Shielded	Solder Pins	MSAS-04PMMS-SF8001	MSAS-04PFFS-SF8001
		Straight PCB	MSAS-04PMMP-SF8001	MSAS-04PFFP-SF8001
		Right Angle PCB	MSAS-04PMMR-SF8001*	MSAS-04PFFR-SF8001*
	Stainless	Solder Pins	SM12A-04PMMS-SF8001*	SM12A-04PFFS-SF8001*
		Straight PCB	SM12A-04PMMP-SF8001*	SM12A-04PFFP-SF8001*
		Right Angle PCB	SM12A-04PMMR-SF8001*	SM12A-04PFFR-SF8001*
Stainless Shielded	Solder Pins	SMSAS-04PMMS-SF8001*	SMSAS-04PFFS-SF8001*	
	Straight PCB	SMSAS-04PMMP-SF8001*	SMSAS-04PFFP-SF8001*	
	Right Angle PCB	SMSAS-04PMMR-SF8001*	SMSAS-04PFFR-SF8001*	

M16 x 1.5

<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p> <p>(A code, Pastic, FF)</p> <p>(B code, Female, Plastic)</p>	Plastic	Solder Pins	MSAP-04PMMS-SF8002*	MSAP-04PFFS-SF8002
		Straight PCB	MSAP-04PMMP-SF8002*	MSAP-04PFFP-SF8002
		Right Angle PCB	MSAP-04PMMR-SF8002*	MSAP-04PFFR-SF8002
	Metal Nut	Solder Pins	M12A-04PMMS-SF8002	M12A-04PFFS-SF8002
		Straight PCB	M12A-04PMMP-SF8002	M12A-04PFFP-SF8002
		Right Angle PCB	M12A-04PMMR-SF8002	M12A-04PFFR-SF8002
	Shielded	Solder Pins	MSAS-04PMMS-SF8002	MSAS-04PFFS-SF8002
		Straight PCB	MSAS-04PMMP-SF8002	MSAS-04PFFP-SF8002
		Right Angle PCB	MSAS-04PMMR-SF8002*	MSAS-04PFFR-SF8002*
	Stainless	Solder Pins	SM12A-04PMMS-SF8002*	SM12A-04PFFS-SF8002*
		Straight PCB	SM12A-04PMMP-SF8002*	SM12A-04PFFP-SF8002*
		Right Angle PCB	SM12A-04PMMR-SF8002*	SM12A-04PFFR-SF8002*
Stainless Shielded	Solder Pins	SMSAS-04PMMS-SF8002*	SMSAS-04PFFS-SF8002*	
	Straight PCB	SMSAS-04PMMP-SF8002*	SMSAS-04PFFP-SF8002*	
	Right Angle PCB	SMSAS-04PMMR-SF8002*	SMSAS-04PFFR-SF8002*	

M12 x 1.0

<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF) (MM)</p> <p>(Plastic, MM)</p>	Plastic	Solder Pins	MSAP-04PMMS-SF8003*	MSAP-04PFFS-SF8003*
		Straight PCB	MSAP-04PMMP-SF8003*	MSAP-04PFFP-SF8003*
		Right Angle PCB	MSAP-04PMMR-SF8003	MSAP-04PFFR-SF8003*
	Metal Nut	Solder Pins	M12A-04PMMS-SF8003*	M12A-04PFFS-SF8003*
		Straight PCB	M12A-04PMMP-SF8003*	M12A-04PFFP-SF8003*
		Right Angle PCB	M12A-04PMMR-SF7003	M12A-04PFFR-SF7003
	Shielded	Solder Pins	MSAS-04PMMS-SF8003*	MSAS-04PFFS-SF8003*
		Straight PCB	MSAS-04PMMP-SF8003*	MSAS-04PFFP-SF8003*
		Right Angle PCB	MSAS-04PMMR-SF8003*	MSAS-04PFFR-SF8003*
	Stainless	Solder Pins	SM12A-04PMMS-SF8003*	SM12A-04PFFS-SF8003*
		Straight PCB	SM12A-04PMMP-SF8003*	SM12A-04PFFP-SF8003*
		Right Angle PCB	SM12A-04PMMR-SF8003*	SM12A-04PFFR-SF8003*
Stainless Shielded	Solder Pins	SMSAS-04PMMS-SF8003*	SMSAS-04PFFS-SF8003*	
	Straight PCB	SMSAS-04PMMP-SF8003*	SMSAS-04PFFP-SF8003*	
	Right Angle PCB	SMSAS-04PMMR-SF8003*	SMSAS-04PFFR-SF8003*	

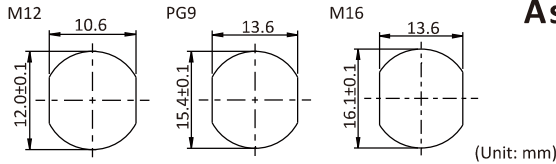
* Upon Request

4		5		5	
D		A		B	
250V		60V		60V	
4A		4A		4A	
MM	FF	MM	FF	MM	FF
MSDP-04PMMMS-SF8001*	MSDP-04PFFS-SF8001*	MSAP-05PMMMS-SF8001*	MSAP-05PFFS-SF8001*	MSBP-05PMMMS-SF8001*	MSBP-05PFFS-SF8001*
MSDP-04PMMMP-SF8001*	MSDP-04PFFP-SF8001*	MSAP-05PMMMP-SF8001*	MSAP-05PFFP-SF8001*	MSBP-05PMMMP-SF8001*	MSBP-05PFFP-SF8001*
MSDP-04PMMMR-SF8001*	MSDP-04PFFR-SF8001*	MSAP-05PMMMR-SF8001*	MSAP-05PFFR-SF8001*	MSBP-05PMMMR-SF8001*	MSBP-05PFFR-SF8001*
M12D-04PMMMS-SF8001	M12D-04PFFS-SF8001	M12A-05PMMMS-SF8001	M12A-05PFFS-SF8001	M12B-05PMMMS-SF8001	M12B-05PFFS-SF8001
M12D-04PMMMP-SF8001	M12D-04PFFP-SF8001	M12A-05PMMMP-SF8001	M12A-05PFFP-SF8001	M12B-05PMMMP-SF8001	M12B-05PFFP-SF8001
M12D-04PMMMR-SF8001	M12D-04PFFR-SF8001	M12A-05PMMMR-SF8001	M12A-05PFFR-SF8001	M12B-05PMMMR-SF8001	M12B-05PFFR-SF8001
MSDS-04PMMMS-SF8001	MSDS-04PFFS-SF8001	MSAS-05PMMMS-SF8001	MSAS-05PFFS-SF8001	MSBS-05PMMMS-SF8001*	MSBS-05PFFS-SF8001*
MSDS-04PMMMP-SF8001	MSDS-04PFFP-SF8001	MSAS-05PMMMP-SF8001	MSAS-05PFFP-SF8001	MSBS-05PMMMP-SF8001	MSBS-05PFFP-SF8001
MSDS-04PMMMR-SF8001*	MSDS-04PFFR-SF8001*	MSAS-05PMMMR-SF8001*	MSAS-05PFFR-SF8001*	MSBS-05PMMMR-SF8001*	MSBS-05PFFR-SF8001*
SM12D-04PMMMS-SF8001*	SM12D-04PFFS-SF8001*	SM12A-05PMMMS-SF8001	SM12A-05PFFS-SF8001	SM12B-05PMMMS-SF8001*	SM12B-05PFFS-SF8001*
SM12D-04PMMMP-SF8001*	SM12D-04PFFP-SF8001*	SM12A-05PMMMP-SF8001*	SM12A-05PFFP-SF8001*	SM12B-05PMMMP-SF8001*	SM12B-05PFFP-SF8001*
SM12D-04PMMMR-SF8001*	SM12D-04PFFR-SF8001*	SM12A-05PMMMR-SF8001*	SM12A-05PFFR-SF8001*	SM12B-05PMMMR-SF8001*	SM12B-05PFFR-SF8001*
SMSDS-04PMMMS-SF8001*	SMSDS-04PFFS-SF8001*	SMSAS-05PMMMS-SF8001*	SMSAS-05PFFS-SF8001*	SMSBS-05PMMMS-SF8001*	SMSBS-05PFFS-SF8001*
SMSDS-04PMMMP-SF8001*	SMSDS-04PFFP-SF8001*	SMSAS-05PMMMP-SF8001*	SMSAS-05PFFP-SF8001*	SMSBS-05PMMMP-SF8001*	SMSBS-05PFFP-SF8001*
SMSDS-04PMMMR-SF8001*	SMSDS-04PFFR-SF8001*	SMSAS-05PMMMR-SF8001*	SMSAS-05PFFR-SF8001*	SMSBS-05PMMMR-SF8001*	SMSBS-05PFFR-SF8001*
MSDP-04PMMMS-SF8002*	MSDP-04PFFS-SF8002*	MSAP-05PMMMS-SF8002*	MSAP-05PFFS-SF8002	MSBP-05PMMMS-SF8002*	MSBP-05PFFS-SF8002*
MSDP-04PMMMP-SF8002*	MSDP-04PFFP-SF8002*	MSAP-05PMMMP-SF8002*	MSAP-05PFFP-SF8002	MSBP-05PMMMP-SF8002*	MSBP-05PFFP-SF8002*
MSDP-04PMMMR-SF8002*	MSDP-04PFFR-SF8002	MSAP-05PMMMR-SF8002*	MSAP-05PFFR-SF8002	MSBP-05PMMMR-SF8002*	MSBP-05PFFR-SF8002
M12D-04PMMMS-SF8002	M12D-04PFFS-SF8002	M12A-05PMMMS-SF8002	M12A-05PFFS-SF8002	M12B-05PMMMS-SF8002	M12B-05PFFS-SF8002
M12D-04PMMMP-SF8002	M12D-04PFFP-SF8002	M12A-05PMMMP-SF8002	M12A-05PFFP-SF8002	M12B-05PMMMP-SF8002	M12B-05PFFP-SF8002
M12D-04PMMMR-SF8002*	M12D-04PFFR-SF8002*	M12A-05PMMMR-SF8002	M12A-05PFFR-SF8002	M12B-05PMMMR-SF8002*	M12B-05PFFR-SF8002*
MSDS-04PMMMS-SF8002*	MSDS-04PFFS-SF8002*	MSAS-05PMMMS-SF8002	MSAS-05PFFS-SF8002	MSBS-05PMMMS-SF8002	MSBS-05PFFS-SF8002
MSDS-04PMMMP-SF8002	MSDS-04PFFP-SF8002	MSAS-05PMMMP-SF8002	MSAS-05PFFP-SF8002	MSBS-05PMMMP-SF8002	MSBS-05PFFP-SF8002
MSDS-04PMMMR-SF8002*	MSDS-04PFFR-SF8002*	MSAS-05PMMMR-SF8002*	MSAS-05PFFR-SF8002*	MSBS-05PMMMR-SF8002*	MSBS-05PFFR-SF8002*
SM12D-04PMMMS-SF8002*	SM12D-04PFFS-SF8002*	SM12A-05PMMMS-SF8002*	SM12A-05PFFS-SF8002*	SM12B-05PMMMS-SF8002*	SM12B-05PFFS-SF8002*
SM12D-04PMMMP-SF8002*	SM12D-04PFFP-SF8002*	SM12A-05PMMMP-SF8002*	SM12A-05PFFP-SF8002*	SM12B-05PMMMP-SF8002*	SM12B-05PFFP-SF8002*
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MSDP-04PMMMR-SF8003	MSDP-04PFFR-SF8003*	MSAP-05PMMMR-SF8003	MSAP-05PFFR-SF8003*	MSBP-05PMMMR-SF8003	MSBP-05PFFR-SF8003*
M12D-04PMMMS-SF8003*	M12D-04PFFS-SF8003*	M12A-05PMMMS-SF8003*	M12A-05PFFS-SF8003*	M12B-05PMMMS-SF8003*	M12B-05PFFS-SF8003*
M12D-04PMMMP-SF8003*	M12D-04PFFP-SF8003*	M12A-05PMMMP-SF8003*	M12A-05PFFP-SF8003*	M12B-05PMMMP-SF8003*	M12B-05PFFP-SF8003*
M12D-04PMMMR-SF7003	M12D-04PFFR-SF7003	M12A-05PMMMR-SF7003	M12A-05PFFR-SF7003	M12B-05PMMMR-SF7003	M12B-05PFFR-SF7003
MSDS-04PMMMS-SF8003*	MSDS-04PFFS-SF8003*	MSAS-05PMMMS-SF8003*	MSAS-05PFFS-SF8003*	MSBS-05PMMMS-SF8003*	MSBS-05PFFS-SF8003*
MSDS-04PMMMP-SF8003*	MSDS-04PFFP-SF8003*	MSAS-05PMMMP-SF8003*	MSAS-05PFFP-SF8003*	MSBS-05PMMMP-SF8003*	MSBS-05PFFP-SF8003*
MSDS-04PMMMR-SF8003*	MSDS-04PFFR-SF8003*	MSAS-05PMMMR-SF8003*	MSAS-05PFFR-SF8003*	MSBS-05PMMMR-SF8003*	MSBS-05PFFR-SF8003*
SM12D-04PMMMS-SF8003*	SM12D-04PFFS-SF8003*	SM12A-05PMMMS-SF8003*	SM12A-05PFFS-SF8003*	SM12B-05PMMMS-SF8003*	SM12B-05PFFS-SF8003*
SM12D-04PMMMP-SF8003*	SM12D-04PFFP-SF8003*	SM12A-05PMMMP-SF8003*	SM12A-05PFFP-SF8003*	SM12B-05PMMMP-SF8003*	SM12B-05PFFP-SF8003*
SM12D-04PMMMR-SF8003*	SM12D-04PFFR-SF8003*	SM12A-05PMMMR-SF8003*	SM12A-05PFFR-SF8003*	SM12B-05PMMMR-SF8003*	SM12B-05PFFR-SF8003*
SMSDS-04PMMMS-SF8003*	SMSDS-04PFFS-SF8003*	SMSAS-05PMMMS-SF8003*	SMSAS-05PFFS-SF8003*	SMSBS-05PMMMS-SF8003*	SMSBS-05PFFS-SF8003*
SMSDS-04PMMMP-SF8003*	SMSDS-04PFFP-SF8003*	SMSAS-05PMMMP-SF8003*	SMSAS-05PFFP-SF8003*	SMSBS-05PMMMP-SF8003*	SMSBS-05PFFP-SF8003*
SMSDS-04PMMMR-SF8003*	SMSDS-04PFFR-SF8003*	SMSAS-05PMMMR-SF8003*	SMSAS-05PFFR-SF8003*	SMSBS-05PMMMR-SF8003*	SMSBS-05PFFR-SF8003*

M12 I-Code

Bulkhead / Receptacle, Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	5
Coding	I
Rated Voltage (AC/DC)	60V
Nominal current	4A
Pin Assignment	Male/Hybrid Female/Hybrid
MM: Male Connector Male Contact FF: Female Connector Female Contact	MI: Male Connector Male + Female Contact FI: Female Connector Male + Female Contact




M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut

		PG9					
(A code, Metal/Shielded/Stainless)	(MM)	(I code, Metal)	(Male)	Plastic	Solder Pins	MSIP-05PMIS-SF8001*	MSIP-05PFIS-SF8001*
	(FF)		(Female)		Straight PCB	MSIP-05PMIP-SF8001*	MSIP-05PFIP-SF8001*
(X code, Metal/Stainless)	(MM)	(FF)	(Female)	Metal Nut	Solder Pins	M12I-05PMIS-SF8001*	M12I-05PFIS-SF8001*
	(FF)		(Female)		Straight PCB	M12I-05PMIP-SF8001*	M12I-05PFIP-SF8001*
	(MM)			Shielded	Solder Pins	MSIS-05PMIS-SF8001*	MSIS-05PFIS-SF8001*
	(FF)				Straight PCB	MSIS-05PMIP-SF8001*	MSIS-05PFIP-SF8001*
	(MM)			Stainless	Solder Pins	SM12I-05PMIS-SF8001*	SM12I-05PFIS-SF8001*
	(FF)				Straight PCB	SM12I-05PMIP-SF8001*	SM12I-05PFIP-SF8001*
	(MM)			Stainless Shielded	Solder Pins	SMSIS-05PMIS-SF8001*	SMSIS-05PFIS-SF8001*
	(FF)				Straight PCB	SMSIS-05PMIP-SF8001*	SMSIS-05PFIP-SF8001*
					Right Angle PCB	-	-

		M16 x 1.5					
(A code, Metal/Shielded/Stainless)	(MM)	(A code, Plastic)	(FF)	Plastic	Solder Pins	MSIP-05PMIS-SF8002*	MSIP-05PFIS-SF8002*
	(FF)		(FF)		Straight PCB	-	-
(I code, Metal)	(Male)	(X code, Metal/Stainless)	(Male)	Metal Nut	Solder Pins	M12I-05PMIS-SF8002*	M12I-05PFIS-SF8002*
	(Female)		(Male)		Straight PCB	M12I-05PMIP-SF8002*	M12I-05PFIP-SF8002*
	(MM)		(Female)	Shielded	Solder Pins	MSIS-05PMIS-SF8002*	MSIS-05PFIS-SF8002*
	(FF)		(Female)		Straight PCB	MSIS-05PMIP-SF8002*	MSIS-05PFIP-SF8002*
	(MM)			Stainless	Solder Pins	SM12I-05PMIS-SF8002*	SM12I-05PFIS-SF8002*
	(FF)				Straight PCB	SM12I-05PMIP-SF8002*	SM12I-05PFIP-SF8002*
	(MM)			Stainless Shielded	Solder Pins	SMSIS-05PMIS-SF8002*	SMSIS-05PFIS-SF8002*
	(FF)				Straight PCB	SMSIS-05PMIP-SF8002*	SMSIS-05PFIP-SF8002*
					Right Angle PCB	-	-

		M12 x 1.0					
(A code, Metal/Shielded/Stainless)	(MM)	(A code, Plastic)	(MM)	Plastic	Solder Pins	MSIP-05PMIS-SF8003*	MSIP-05PFIS-SF8003*
	(FF)		(MM)		Straight PCB	-	-
(A code, Plastic, MM)	(MM)	(X code, Metal/Stainless)	(MM)	Metal Nut	Solder Pins	M12I-05PMIS-SF8003*	M12I-05PFIS-SF8003*
	(MM)		(MM)		Straight PCB	M12I-05PMIP-SF8003*	M12I-05PFIP-SF8003*
	(MM)			Shielded	Solder Pins	MSIS-05PMIS-SF8003*	MSIS-05PFIS-SF8003*
	(FF)				Straight PCB	MSIS-05PMIP-SF8003*	MSIS-05PFIP-SF8003*
	(MM)			Stainless	Solder Pins	SM12I-05PMIS-SF8003*	SM12I-05PFIS-SF8003*
	(FF)				Straight PCB	SM12I-05PMIP-SF8003*	SM12I-05PFIP-SF8003*
	(MM)			Stainless Shielded	Solder Pins	SMSIS-05PMIS-SF8003*	SMSIS-05PFIS-SF8003*
	(FF)				Straight PCB	SMSIS-05PMIP-SF8003*	SMSIS-05PFIP-SF8003*
					Right Angle PCB	-	-

* Upon Request

6		8		8	
A		A		X (CAT.6A)	
30V		30V		30V	
2A		2A		2A	
MM	FF	MM	FF	MM	FF
					

MSAP-06P MMS -SF8001*	MSAP-06P FFS -SF8001*	MSAP-08P MMS -SF8001	MSAP-08P FFS -SF8001	-	-
MSAP-06P MMP -SF8001*	MSAP-06P FFP -SF8001*	MSAP-08P MMP -SF8001*	MSAP-08P FFP -SF8001*	-	-
MSAP-06P MMR -SF8001*	MSAP-06P FFR -SF8001*	MSAP-08P MMR -SF8001*	MSAP-08P FFR -SF8001*	-	-
M12A-06P MMS -SF8001	M12A-06P FFS -SF8001	M12A-08P MMS -SF8001	M12A-08P FFS -SF8001	-	-
M12A-06P MMP -SF8001	M12A-06P FFP -SF8001	M12A-08P MMP -SF8001	M12A-08P FFP -SF8001	-	-
M12A-06P MMR -SF8001*	M12A-06P FFR -SF8001*	M12A-08P MMR -SF8001*	M12A-08P FFR -SF8001*	-	-
MSAS-06P MMS -SF8001	MSAS-06P FFS -SF8001	MSAS-08P MMS -SF8001	MSAS-08P FFS -SF8001	-	-
MSAS-06P MMP -SF8001	MSAS-06P FFP -SF8001	MSAS-08P MMP -SF8001	MSAS-08P FFP -SF8001	MSXS-08P MMP -SF7001*	MSXS-08P FFP -SF7001
MSAS-06P MMR -SF8001*	MSAS-06P FFR -SF8001*	MSAS-08P MMR -SF8001*	MSAS-08P FFR -SF8001*	MSXS-08P MMR -SF7001*	MSXS-08P FFR -SF7001
SM12A-06P MMS -SF8001*	SM12A-06P FFS -SF8001*	SM12A-08P MMS -SF8001	SM12A-08P FFS -SF8001	-	-
SM12A-06P MMP -SF8001*	SM12A-06P FFP -SF8001*	SM12A-08P MMP -SF8001*	SM12A-08P FFP -SF8001	-	-
SM12A-06P MMR -SF8001*	SM12A-06P FFR -SF8001*	SM12A-08P MMR -SF8001*	SM12A-08P FFR -SF8001	-	-
SMSAS-06P MMS -SF8001*	SMSAS-06P FFS -SF8001*	SMSAS-08P MMS -SF8001*	SMSAS-08P FFS -SF8001*	-	-
SMSAS-06P MMP -SF8001*	SMSAS-06P FFP -SF8001*	SMSAS-08P MMP -SF8001*	SMSAS-08P FFP -SF8001*	SMSXS-08P MMP -SF7001*	SMSXS-08P FFP -SF7001
SMSAS-06P MMR -SF8001*	SMSAS-06P FFR -SF8001*	SMSAS-08P MMR -SF8001*	SMSAS-08P FFR -SF8001*	SMSXS-08P MMR -SF7001*	SMSXS-08P FFR -SF7001*

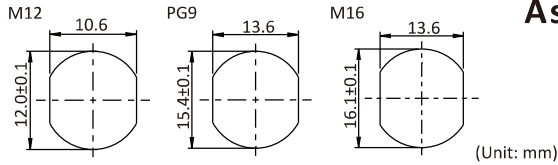
MSAP-06P MMS -SF8002*	MSAP-06P FFS -SF8002*	MSAP-08P MMS -SF8002*	MSAP-08P FFS -SF8002*	-	-
MSAP-06P MMP -SF8002*	MSAP-06P FFP -SF8002*	MSAP-08P MMP -SF8002*	MSAP-08P FFP -SF8002*	-	-
MSAP-06P MMR -SF8002*	MSAP-06P FFR -SF8002*	MSAP-08P MMR -SF8002*	MSAP-08P FFR -SF8002*	-	-
M12A-06P MMS -SF8002	M12A-06P FFS -SF8002	M12A-08P MMS -SF8002	M12A-08P FFS -SF8002	-	-
M12A-06P MMP -SF8002	M12A-06P FFP -SF8002	M12A-08P MMP -SF8002	M12A-08P FFP -SF8002	-	-
M12A-06P MMR -SF8002*	M12A-06P FFR -SF8002*	M12A-08P MMR -SF8002*	M12A-08P FFR -SF8002*	-	-
MSAS-06P MMS -SF8002	MSAS-06P FFS -SF8002	MSAS-08P MMS -SF8002	MSAS-08P FFS -SF8002	-	-
MSAS-06P MMP -SF8002	MSAS-06P FFP -SF8002	MSAS-08P MMP -SF8002	MSAS-08P FFP -SF8002	MSXS-08P MMP -SF7002*	MSXS-08P FFP -SF7002
MSAS-06P MMR -SF8002*	MSAS-06P FFR -SF8002*	MSAS-08P MMR -SF8002*	MSAS-08P FFR -SF8002*	MSXS-08P MMR -SF7002*	MSXS-08P FFR -SF7002
SM12A-06P MMS -SF8002*	SM12A-06P FFS -SF8002*	SM12A-08P MMS -SF8002*	SM12A-08P FFS -SF8002	-	-
SM12A-06P MMP -SF8002*	SM12A-06P FFP -SF8002*	SM12A-08P MMP -SF8002*	SM12A-08P FFP -SF8002	-	-
SM12A-06P MMR -SF8002*	SM12A-06P FFR -SF8002*	SM12A-08P MMR -SF8002*	SM12A-08P FFR -SF8002	-	-
SMSAS-06P MMS -SF8002*	SMSAS-06P FFS -SF8002*	SMSAS-08P MMS -SF8002*	SMSAS-08P FFS -SF8002*	-	-
SMSAS-06P MMP -SF8002*	SMSAS-06P FFP -SF8002*	SMSAS-08P MMP -SF8002*	SMSAS-08P FFP -SF8002*	SMSXS-08P MMP -SF7002*	SMSXS-08P FFP -SF7002*
SMSAS-06P MMR -SF8002*	SMSAS-06P FFR -SF8002*	SMSAS-08P MMR -SF8002*	SMSAS-08P FFR -SF8002*	SMSXS-08P MMR -SF7002*	SMSXS-08P FFR -SF7002*

MSAP-06P MMS -SF8003*	MSAP-06P FFS -SF8003*	MSAP-08P MMS -SF8003*	MSAP-08P FFS -SF8003*	-	-
MSAP-06P MMP -SF8003*	MSAP-06P FFP -SF8003*	MSAP-08P MMP -SF8003*	MSAP-08P FFP -SF8003*	-	-
MSAP-06P MMR -SF8003*	MSAP-06P FFR -SF8003*	MSAP-08P MMR -SF8003*	MSAP-08P FFR -SF8003*	-	-
M12A-06P MMS -SF8003*	M12A-06P FFS -SF8003*	M12A-08P MMS -SF8003*	M12A-08P FFS -SF8003*	-	-
M12A-06P MMP -SF8003*	M12A-06P FFP -SF8003*	M12A-08P MMP -SF8003*	M12A-08P FFP -SF8003*	-	-
M12A-06P MMR -SF7003*	M12A-06P FFR -SF7003*	M12A-08P MMR -SF7003	M12A-08P FFR -SF7003	-	-
MSAS-06P MMS -SF8003*	MSAS-06P FFS -SF8003*	MSAS-08P MMS -SF8003*	MSAS-08P FFS -SF8003*	-	-
MSAS-06P MMP -SF8003*	MSAS-06P FFP -SF8003*	MSAS-08P MMP -SF8003*	MSAS-08P FFP -SF8003*	MSXS-08P MMP -SF7003*	-
MSAS-06P MMR -SF8003*	MSAS-06P FFR -SF8003*	MSAS-08P MMR -SF8003*	MSAS-08P FFR -SF8003*	MSXS-08P MMR -SF7003*	MSXS-08P FFR -SF7003
SM12A-06P MMS -SF8003*	SM12A-06P FFS -SF8003*	SM12A-08P MMS -SF8003*	SM12A-08P FFS -SF8003*	-	-
SM12A-06P MMP -SF8003*	SM12A-06P FFP -SF8003*	SM12A-08P MMP -SF8003*	SM12A-08P FFP -SF8003*	-	-
SM12A-06P MMR -SF8003*	SM12A-06P FFR -SF8003*	SM12A-08P MMR -SF8003*	SM12A-08P FFR -SF8003*	-	-
SMSAS-06P MMS -SF8003*	SMSAS-06P FFS -SF8003*	SMSAS-08P MMS -SF8003*	SMSAS-08P FFS -SF8003*	-	-
SMSAS-06P MMP -SF8003*	SMSAS-06P FFP -SF8003*	SMSAS-08P MMP -SF8003*	SMSAS-08P FFP -SF8003*	SMSXS-08P MMP -SF7003*	SMSXS-08P FFP -SF7003*
SMSAS-06P MMR -SF8003*	SMSAS-06P FFR -SF8003*	SMSAS-08P MMR -SF8003*	SMSAS-08P FFR -SF8003*	SMSXS-08P MMR -SF7003*	SMSXS-08P FFR -SF7003*

M12 A & Y-Code

Bulkhead / Receptacle Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	8	10
Coding	Y (Hybrid)*	A
Rated Voltage (AC/DC)	60V	30V
Nominal current	0.5A / 6A	1.5A
Pin Assignment	FF	MM
MM: Male Connector Male Contact FF: Female Connector Female Contact FI: Female Connector Male + Female Contact		

M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut

PG9

<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p>	Plastic	Solder Pins	-	MSAP-10PMM5-SF8001*
		Straight PCB	-	MSAP-10PMM5P-SF8001*
		Right Angle PCB	-	MSAP-10PMMR-SF8001*
	Metal Nut	Solder Pins	-	M12A-10PMM5-SF8001
		Straight PCB	-	M12A-10PMM5P-SF8001
		Right Angle PCB	-	M12A-10PMMR-SF8001*
	Shielded	Solder Pins	-	MSAS-10PMM5-SF8001
		Straight PCB	MSYS-08PFIP-SF7001*	MSAS-10PMM5P-SF8001
		Right Angle PCB	MSYS-08PFIR-SF7001*	MSAS-10PMMR-SF8001*
	Stainless	Solder Pins	-	SM12A-10PMM5-SF8001*
		Straight PCB	-	SM12A-10PMM5P-SF8001*
		Right Angle PCB	-	SM12A-10PMMR-SF8001*
Stainless Shielded	Solder Pins	-	SMSAS-10PMM5-SF8001*	
	Straight PCB	SMSYS-08PFIP-SF7001*	SMSAS-10PMM5P-SF8001*	
	Right Angle PCB	SMSYS-08PFIR-SF7001*	SMSAS-10PMMR-SF8001*	




M16 x 1.5

<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p> <p>(A Code, Plastic)</p>	Plastic	Solder Pins	-	MSAP-10PMM5-SF8002*
		Straight PCB	-	MSAP-10PMM5P-SF8002*
		Right Angle PCB	-	MSAP-10PMMR-SF8002*
	Metal Nut	Solder Pins	-	M12A-10PMM5-SF8002
		Straight PCB	-	M12A-10PMM5P-SF8002
		Right Angle PCB	-	M12A-10PMMR-SF8002*
	Shielded	Solder Pins	-	MSAS-10PMM5-SF8002
		Straight PCB	MSYS-08PFIP-SF7002*	MSAS-10PMM5P-SF8002
		Right Angle PCB	MSYS-08PFIR-SF7002*	MSAS-10PMMR-SF8002*
	Stainless	Solder Pins	-	SM12A-10PMM5-SF8002*
		Straight PCB	-	SM12A-10PMM5P-SF8002*
		Right Angle PCB	-	SM12A-10PMMR-SF8002*
Stainless Shielded	Solder Pins	-	SMSAS-10PMM5-SF8002*	
	Straight PCB	SMSYS-08PFIP-SF7002*	SMSAS-10PMM5P-SF8002*	
	Right Angle PCB	SMSYS-08PFIR-SF7002*	SMSAS-10PMMR-SF8002*	

M12 x 1.0

<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p> <p>(A code, Plastic)</p>	Plastic	Solder Pins	-	MSAP-10PMM5-SF8003*
		Straight PCB	-	MSAP-10PMM5P-SF8003*
		Right Angle PCB	-	MSAP-10PMMR-SF8003*
	Metal Nut	Solder Pins	-	M12A-10PMM5-SF8003*
		Straight PCB	-	M12A-10PMM5P-SF8003*
		Right Angle PCB	-	M12A-10PMMR-SF8003*
	Shielded	Solder Pins	-	MSAS-10PMM5-SF8003*
		Straight PCB	MSYS-08PFIP-SF7003*	MSAS-10PMM5P-SF8003*
		Right Angle PCB	MSYS-08PFIR-SF7003*	MSAS-10PMMR-SF8003*
	Stainless	Solder Pins	-	SM12A-10PMM5-SF8003*
		Straight PCB	-	SM12A-10PMM5P-SF8003*
		Right Angle PCB	-	SM12A-10PMMR-SF8003*
Stainless Shielded	Solder Pins	-	SMSAS-10PMM5-SF8003*	
	Straight PCB	SMSYS-08PFIP-SF7003*	SMSAS-10PMM5P-SF8003*	
	Right Angle PCB	SMSYS-08PFIR-SF7003*	SMSAS-10PMMR-SF8003*	

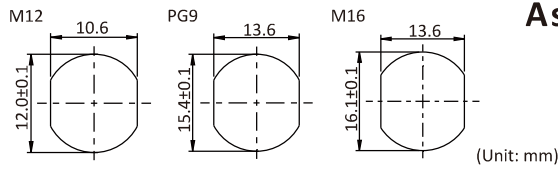
*Upon Request

10		12			17		
A		A			A		
30V		30V			30V		
1.5A		1.5A			1.5A		
FF		MM	FF		MM	FF	
							
MSAP-10PFFS-SF8001*	MSAP-12PMMMS-SF8001*	MSAP-12PFFS-SF8001*	MSAP-17PMMMS-SF8001*	MSAP-17PFFS-SF8001*			
MSAP-10PFFP-SF8001*	MSAP-12PMMP-SF8001*	MSAP-12PFFP-SF8001*	MSAP-17PMMP-SF8001*	MSAP-17PFFP-SF8001*			
MSAP-10PFFR-SF8001*	MSAP-12PMMR-SF8001*	MSAP-12PFFR-SF8001*	MSAP-17PMMR-SF8001*	MSAP-17PFFR-SF8001*			
M12A-10PFFS-SF8001	M12A-12PMMMS-SF8001	M12A-12PFFS-SF8001	M12A-17PMMMS-SF8001	M12A-17PFFS-SF8001			
M12A-10PFFP-SF8001	M12A-12PMMP-SF8001	M12A-12PFFP-SF8001	M12A-17PMMP-SF8001	M12A-17PFFP-SF8001			
M12A-10PFFR-SF8001*	M12A-12PMMR-SF8001	M12A-12PFFR-SF8001*	M12A-17PMMR-SF8001*	M12A-17PFFR-SF8001*			
MSAS-10PFFS-SF8001	MSAS-12PMMMS-SF8001	MSAS-12PFFS-SF8001	MSAS-17PMMMS-SF8001	MSAS-17PFFS-SF8001			
MSAS-10PFFP-SF8001	MSAS-12PMMP-SF8001	MSAS-12PFFP-SF8001	MSAS-17PMMP-SF8001	MSAS-17PFFP-SF8001			
MSAS-10PFFR-SF8001*	MSAS-12PMMR-SF8001*	MSAS-12PFFR-SF8001*	MSAS-17PMMR-SF8001*	MSAS-17PFFR-SF8001*			
SM12A-10PFFS-SF8001*	SM12A-12PMMMS-SF8001*	SM12A-12PFFS-SF8001*	SM12A-17PMMMS-SF8001*	SM12A-17PFFS-SF8001*			
SM12A-10PFFP-SF8001*	SM12A-12PMMP-SF8001*	SM12A-12PFFP-SF8001*	SM12A-17PMMP-SF8001*	SM12A-17PFFP-SF8001*			
SM12A-10PFFR-SF8001*	SM12A-12PMMR-SF8001*	SM12A-12PFFR-SF8001*	SM12A-17PMMR-SF8001*	SM12A-17PFFR-SF8001*			
SMSAS-10PFFS-SF8001*	SMSAS-12PMMMS-SF8001*	SMSAS-12PFFS-SF8001*	SMSAS-17PMMMS-SF8001*	SMSAS-17PFFS-SF8001*			
SMSAS-10PFFP-SF8001*	SMSAS-12PMMP-SF8001*	SMSAS-12PFFP-SF8001*	SMSAS-17PMMP-SF8001*	SMSAS-17PFFP-SF8001*			
SMSAS-10PFFR-SF8001*	SMSAS-12PMMR-SF8001*	SMSAS-12PFFR-SF8001*	SMSAS-17PMMR-SF8001*	SMSAS-17PFFR-SF8001*			
MSAP-10PFFS-SF8002*	MSAP-12PMMMS-SF8002*	MSAP-12PFFS-SF8002*	MSAP-17PMMMS-SF8002*	MSAP-17PFFS-SF8002*			
MSAP-10PFFP-SF8002*	MSAP-12PMMP-SF8002*	MSAP-12PFFP-SF8002*	MSAP-17PMMP-SF8002*	MSAP-17PFFP-SF8002*			
MSAP-10PFFR-SF8002*	MSAP-12PMMR-SF8002*	MSAP-12PFFR-SF8002*	MSAP-17PMMR-SF8002*	MSAP-17PFFR-SF8002*			
M12A-10PFFS-SF8002	M12A-12PMMMS-SF8002	M12A-12PFFS-SF8002	M12A-17PMMMS-SF8002	M12A-17PFFS-SF8002			
M12A-10PFFP-SF8002	M12A-12PMMP-SF8002	M12A-12PFFP-SF8002	M12A-17PMMP-SF8002	M12A-17PFFP-SF8002			
M12A-10PFFR-SF8002*	M12A-12PMMR-SF8002*	M12A-12PFFR-SF8002*	M12A-17PMMR-SF8002*	M12A-17PFFR-SF8002*			
MSAS-10PFFS-SF8002	MSAS-12PMMMS-SF8002	MSAS-12PFFS-SF8002	MSAS-17PMMMS-SF8002	MSAS-17PFFS-SF8002			
MSAS-10PFFP-SF8002	MSAS-12PMMP-SF8002	MSAS-12PFFP-SF8002	MSAS-17PMMP-SF8002	MSAS-17PFFP-SF8002			
MSAS-10PFFR-SF8002*	MSAS-12PMMR-SF8002*	MSAS-12PFFR-SF8002*	MSAS-17PMMR-SF8002*	MSAS-17PFFR-SF8002*			
SM12A-10PFFS-SF8002*	SM12A-12PMMMS-SF8002*	SM12A-12PFFS-SF8002*	SM12A-17PMMMS-SF8002*	SM12A-17PFFS-SF8002*			
SM12A-10PFFP-SF8002*	SM12A-12PMMP-SF8002*	SM12A-12PFFP-SF8002*	SM12A-17PMMP-SF8002*	SM12A-17PFFP-SF8002*			
SM12A-10PFFR-SF8002*	SM12A-12PMMR-SF8002*	SM12A-12PFFR-SF8002*	SM12A-17PMMR-SF8002*	SM12A-17PFFR-SF8002*			
SMSAS-10PFFS-SF8002*	SMSAS-12PMMMS-SF8002*	SMSAS-12PFFS-SF8002*	SMSAS-17PMMMS-SF8002*	SMSAS-17PFFS-SF8002*			
SMSAS-10PFFP-SF8002*	SMSAS-12PMMP-SF8002*	SMSAS-12PFFP-SF8002*	SMSAS-17PMMP-SF8002*	SMSAS-17PFFP-SF8002*			
SMSAS-10PFFR-SF8002*	SMSAS-12PMMR-SF8002*	SMSAS-12PFFR-SF8002*	SMSAS-17PMMR-SF8002*	SMSAS-17PFFR-SF8002*			
MSAP-10PFFS-SF8003*	MSAP-12PMMMS-SF8003	MSAP-12PFFS-SF8003*	MSAP-17PMMMS-SF8003*	MSAP-17PFFS-SF8003*			
MSAP-10PFFP-SF8003*	MSAP-12PMMP-SF8003*	MSAP-12PFFP-SF8003*	MSAP-17PMMP-SF8003*	MSAP-17PFFP-SF8003*			
MSAP-10PFFR-SF8003*	MSAP-12PMMR-SF8003*	MSAP-12PFFR-SF8003*	MSAP-17PMMR-SF8003*	MSAP-17PFFR-SF8003*			
M12A-10PFFS-SF8003*	M12A-12PMMMS-SF8003*	M12A-12PFFS-SF8003*	M12A-17PMMMS-SF8003*	M12A-17PFFS-SF8003*			
M12A-10PFFP-SF8003*	M12A-12PMMP-SF8003*	M12A-12PFFP-SF8003*	M12A-17PMMP-SF8003*	M12A-17PFFP-SF8003*			
M12A-10PFFR-SF8003*	M12A-12PMMR-SF8003*	M12A-12PFFR-SF8003*	M12A-17PMMR-SF8003*	M12A-17PFFR-SF8003*			
MSAS-10PFFS-SF8003*	MSAS-12PMMMS-SF8003*	MSAS-12PFFS-SF8003*	MSAS-17PMMMS-SF8003*	MSAS-17PFFS-SF8003*			
MSAS-10PFFP-SF8003*	MSAS-12PMMP-SF8003*	MSAS-12PFFP-SF8003*	MSAS-17PMMP-SF8003*	MSAS-17PFFP-SF8003*			
MSAS-10PFFR-SF8003*	MSAS-12PMMR-SF8003*	MSAS-12PFFR-SF8003*	MSAS-17PMMR-SF8003*	MSAS-17PFFR-SF8003*			
SM12A-10PFFS-SF8003*	SM12A-12PMMMS-SF8003*	SM12A-12PFFS-SF8003*	SM12A-17PMMMS-SF8003*	SM12A-17PFFS-SF8003*			
SM12A-10PFFP-SF8003*	SM12A-12PMMP-SF8003*	SM12A-12PFFP-SF8003*	SM12A-17PMMP-SF8003*	SM12A-17PFFP-SF8003*			
SM12A-10PFFR-SF8003*	SM12A-12PMMR-SF8003*	SM12A-12PFFR-SF8003*	SM12A-17PMMR-SF8003*	SM12A-17PFFR-SF8003*			
SMSAS-10PFFS-SF8003*	SMSAS-12PMMMS-SF8003*	SMSAS-12PFFS-SF8003*	SMSAS-17PMMMS-SF8003*	SMSAS-17PFFS-SF8003*			
SMSAS-10PFFP-SF8003*	SMSAS-12PMMP-SF8003*	SMSAS-12PFFP-SF8003*	SMSAS-17PMMP-SF8003*	SMSAS-17PFFP-SF8003*			
SMSAS-10PFFR-SF8003*	SMSAS-12PMMR-SF8003*	SMSAS-12PFFR-SF8003*	SMSAS-17PMMR-SF8003*	SMSAS-17PFFR-SF8003*			

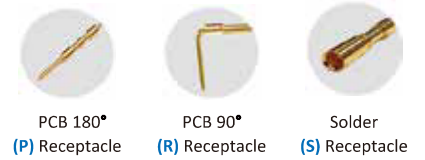
M12 A-Code

Bulkhead / Receptacle Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	18	
Coding	A	
Rated Voltage (AC/DC)	30V	
Nominal current	0.5A	
Pin Assignment	MM	FF
MM : Male Connector Male Contact FF : Female Connector Female Contact		

M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut

PG9

<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p>	Plastic	Solder Pins	MSAP-18PMMS-SF8001*	MSAP-18PFFS-SF8001*
		Straight PCB	MSAP-18PMMP-SF8001*	MSAP-18PFFP-SF8001*
		Right Angle PCB	MSAP-18PMMR-SF8001*	MSAP-18PFFR-SF8001*
	Metal Nut	Solder Pins	M12A-18PMMS-SF8001*	M12A-18PFFS-SF8001*
		Straight PCB	M12A-18PMMP-SF8001*	M12A-18PFFP-SF8001*
		Right Angle PCB	M12A-18PMMR-SF8001*	M12A-18PFFR-SF8001*
	Shielded	Solder Pins	MSAS-18PMMS-SF8001*	MSAS-18PFFS-SF8001*
		Straight PCB	MSAS-18PMMP-SF8001*	MSAS-18PFFP-SF8001*
		Right Angle PCB	MSAS-18PMMR-SF8001*	MSAS-18PFFR-SF8001*
	Stainless	Solder Pins	SM12A-18PMMS-SF8001*	SM12A-18PFFS-SF8001*
		Straight PCB	SM12A-18PMMP-SF8001*	SM12A-18PFFP-SF8001*
		Right Angle PCB	SM12A-18PMMR-SF8001*	SM12A-18PFFR-SF8001*
Stainless Shielded	Solder Pins	SMSAS-18PMMS-SF8001*	SMSAS-18PFFS-SF8001*	
	Straight PCB	SMSAS-18PMMP-SF8001*	SMSAS-18PFFP-SF8001*	
	Right Angle PCB	SMSAS-18PMMR-SF8001*	SMSAS-18PFFR-SF8001*	



M16 x 1.5

<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p>	Plastic	Solder Pins	MSAP-18PMMS-SF8002*	MSAP-18PFFS-SF8002*
		Straight PCB	MSAP-18PMMP-SF8002*	MSAP-18PFFP-SF8002*
		Right Angle PCB	MSAP-18PMMR-SF8002*	MSAP-18PFFR-SF8002*
	Metal Nut	Solder Pins	M12A-18PMMS-SF8002*	M12A-18PFFS-SF8002*
		Straight PCB	M12A-18PMMP-SF8002*	M12A-18PFFP-SF8002*
		Right Angle PCB	M12A-18PMMR-SF8002*	M12A-18PFFR-SF8002*
	Shielded	Solder Pins	MSAS-18PMMS-SF8002*	MSAS-18PFFS-SF8002*
		Straight PCB	MSAS-18PMMP-SF8002*	MSAS-18PFFP-SF8002*
		Right Angle PCB	MSAS-18PMMR-SF8002*	MSAS-18PFFR-SF8002*
	Stainless	Solder Pins	SM12A-18PMMS-SF8002*	SM12A-18PFFS-SF8002*
		Straight PCB	SM12A-18PMMP-SF8002*	SM12A-18PFFP-SF8002*
		Right Angle PCB	SM12A-18PMMR-SF8002*	SM12A-18PFFR-SF8002*
Stainless Shielded	Solder Pins	SMSAS-18PMMS-SF8002*	SMSAS-18PFFS-SF8002*	
	Straight PCB	SMSAS-18PMMP-SF8002*	SMSAS-18PFFP-SF8002*	
	Right Angle PCB	SMSAS-18PMMR-SF8002*	SMSAS-18PFFR-SF8002*	

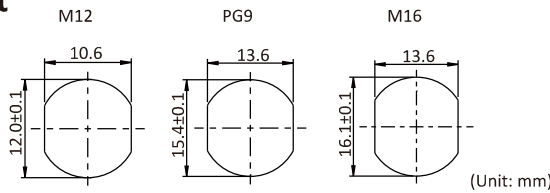
M12 x 1.0

<p>(Metal/Shielded/Stainless)</p> <p>(MM) (FF)</p>	Plastic	Solder Pins	MSAP-18PMMS-SF8003*	MSAP-18PFFS-SF8003*
		Straight PCB	MSAP-18PMMP-SF8003*	MSAP-18PFFP-SF8003*
		Right Angle PCB	MSAP-18PMMR-SF8003*	MSAP-18PFFR-SF8003*
	Metal Nut	Solder Pins	M12A-18PMMS-SF8003*	M12A-18PFFS-SF8003*
		Straight PCB	M12A-18PMMP-SF8003*	M12A-18PFFP-SF8003*
		Right Angle PCB	M12A-18PMMR-SF8003*	M12A-18PFFR-SF8003*
	Shielded	Solder Pins	MSAS-18PMMS-SF8003*	MSAS-18PFFS-SF8003*
		Straight PCB	MSAS-18PMMP-SF8003*	MSAS-18PFFP-SF8003*
		Right Angle PCB	MSAS-18PMMR-SF8003*	MSAS-18PFFR-SF8003*
	Stainless	Solder Pins	SM12A-18PMMS-SF8003*	SM12A-18PFFS-SF8003*
		Straight PCB	SM12A-18PMMP-SF8003*	SM12A-18PFFP-SF8003*
		Right Angle PCB	SM12A-18PMMR-SF8003*	SM12A-18PFFR-SF8003*
Stainless Shielded	Solder Pins	SMSAS-18PMMS-SF8003*	SMSAS-18PFFS-SF8003*	
	Straight PCB	SMSAS-18PMMP-SF8003*	SMSAS-18PFFP-SF8003*	
	Right Angle PCB	SMSAS-18PMMR-SF8003*	SMSAS-18PFFR-SF8003*	

* Upon Request

24		28	
A		A	
30V		30V	
0.5A		0.5A	
MM	FF	MM	FF
			
MSAP-24PMMS-SF8001*	MSAP-24PFFS-SF8001*	MSAP-28PMMS-SF8001*	MSAP-28PFFS-SF8001*
MSAP-24PMMP-SF8001*	MSAP-24PFFP-SF8001*	MSAP-28PMMP-SF8001*	MSAP-28PFFP-SF8001*
MSAP-24PMMR-SF8001*	MSAP-24PFFR-SF8001*	MSAP-28PMMR-SF8001*	MSAP-28PFFR-SF8001*
M12A-24PMMS-SF8001*	M12A-24PFFS-SF8001*	M12A-28PMMS-SF8001*	M12A-28PFFS-SF8001*
M12A-24PMMP-SF8001*	M12A-24PFFP-SF8001*	M12A-28PMMP-SF8001*	M12A-28PFFP-SF8001*
M12A-24PMMR-SF8001*	M12A-24PFFR-SF8001*	M12A-28PMMR-SF8001*	M12A-28PFFR-SF8001*
MSAS-24PMMS-SF8001*	MSAS-24PFFS-SF8001*	MSAS-28PMMS-SF8001*	MSAS-28PFFS-SF8001*
MSAS-24PMMP-SF8001*	MSAS-24PFFP-SF8001*	MSAS-28PMMP-SF8001*	MSAS-28PFFP-SF8001*
MSAS-24PMMR-SF8001*	MSAS-24PFFR-SF8001*	MSAS-28PMMR-SF8001*	MSAS-28PFFR-SF8001*
SM12A-24PMMS-SF8001*	SM12A-24PFFS-SF8001*	SM12A-28PMMS-SF8001*	SM12A-28PFFS-SF8001*
SM12A-24PMMP-SF8001*	SM12A-24PFFP-SF8001*	SM12A-28PMMP-SF8001*	SM12A-28PFFP-SF8001*
SM12A-24PMMR-SF8001*	SM12A-24PFFR-SF8001*	SM12A-28PMMR-SF8001*	SM12A-28PFFR-SF8001*
SMSAS-24PMMS-SF8001*	SMSAS-24PFFS-SF8001*	SMSAS-28PMMS-SF8001*	SMSAS-28PFFS-SF8001*
SMSAS-24PMMP-SF8001*	SMSAS-24PFFP-SF8001*	SMSAS-28PMMP-SF8001*	SMSAS-28PFFP-SF8001*
SMSAS-24PMMR-SF8001*	SMSAS-24PFFR-SF8001*	SMSAS-28PMMR-SF8001*	SMSAS-28PFFR-SF8001*
MSAP-24PMMS-SF8002*	MSAP-24PFFS-SF8002*	MSAP-28PMMS-SF8002*	MSAP-28PFFS-SF8002*
MSAP-24PMMP-SF8002*	MSAP-24PFFP-SF8002*	MSAP-28PMMP-SF8002*	MSAP-28PFFP-SF8002*
MSAP-24PMMR-SF8002*	MSAP-24PFFR-SF8002*	MSAP-28PMMR-SF8002*	MSAP-28PFFR-SF8002*
M12A-24PMMS-SF8002*	M12A-24PFFS-SF8002*	M12A-28PMMS-SF8002*	M12A-28PFFS-SF8002*
M12A-24PMMP-SF8002*	M12A-24PFFP-SF8002*	M12A-28PMMP-SF8002*	M12A-28PFFP-SF8002*
M12A-24PMMR-SF8002*	M12A-24PFFR-SF8002*	M12A-28PMMR-SF8002*	M12A-28PFFR-SF8002*
MSAS-24PMMS-SF8002*	MSAS-24PFFS-SF8002*	MSAS-28PMMS-SF8002*	MSAS-28PFFS-SF8002*
MSAS-24PMMP-SF8002*	MSAS-24PFFP-SF8002*	MSAS-28PMMP-SF8002*	MSAS-28PFFP-SF8002*
MSAS-24PMMR-SF8002*	MSAS-24PFFR-SF8002*	MSAS-28PMMR-SF8002*	MSAS-28PFFR-SF8002*
SM12A-24PMMS-SF8002*	SM12A-24PFFS-SF8002*	SM12A-28PMMS-SF8002*	SM12A-28PFFS-SF8002*
SM12A-24PMMP-SF8002*	SM12A-24PFFP-SF8002*	SM12A-28PMMP-SF8002*	SM12A-28PFFP-SF8002*
SM12A-24PMMR-SF8002*	SM12A-24PFFR-SF8002*	SM12A-28PMMR-SF8002*	SM12A-28PFFR-SF8002*
SMSAS-24PMMS-SF8002*	SMSAS-24PFFS-SF8002*	SMSAS-28PMMS-SF8002*	SMSAS-28PFFS-SF8002*
SMSAS-24PMMP-SF8002*	SMSAS-24PFFP-SF8002*	SMSAS-28PMMP-SF8002*	SMSAS-28PFFP-SF8002*
SMSAS-24PMMR-SF8002*	SMSAS-24PFFR-SF8002*	SMSAS-28PMMR-SF8002*	SMSAS-28PFFR-SF8002*
MSAP-24PMMS-SF8003*	MSAP-24PFFS-SF8003*	MSAP-28PMMS-SF8003*	MSAP-28PFFS-SF8003*
MSAP-24PMMP-SF8003*	MSAP-24PFFP-SF8003*	MSAP-28PMMP-SF8003*	MSAP-28PFFP-SF8003*
MSAP-24PMMR-SF8003*	MSAP-24PFFR-SF8003*	MSAP-28PMMR-SF8003*	MSAP-28PFFR-SF8003*
M12A-24PMMS-SF8003*	M12A-24PFFS-SF8003*	M12A-28PMMS-SF8003*	M12A-28PFFS-SF8003*
M12A-24PMMP-SF8003*	M12A-24PFFP-SF8003*	M12A-28PMMP-SF8003*	M12A-28PFFP-SF8003*
M12A-24PMMR-SF8003*	M12A-24PFFR-SF8003*	M12A-28PMMR-SF8003*	M12A-28PFFR-SF8003*
MSAS-24PMMS-SF8003*	MSAS-24PFFS-SF8003*	MSAS-28PMMS-SF8003*	MSAS-28PFFS-SF8003*
MSAS-24PMMP-SF8003*	MSAS-24PFFP-SF8003*	MSAS-28PMMP-SF8003*	MSAS-28PFFP-SF8003*
MSAS-24PMMR-SF8003*	MSAS-24PFFR-SF8003*	MSAS-28PMMR-SF8003*	MSAS-28PFFR-SF8003*
SM12A-24PMMS-SF8003*	SM12A-24PFFS-SF8003*	SM12A-28PMMS-SF8003*	SM12A-28PFFS-SF8003*
SM12A-24PMMP-SF8003*	SM12A-24PFFP-SF8003*	SM12A-28PMMP-SF8003*	SM12A-28PFFP-SF8003*
SM12A-24PMMR-SF8003*	SM12A-24PFFR-SF8003*	SM12A-28PMMR-SF8003*	SM12A-28PFFR-SF8003*
SMSAS-24PMMS-SF8003*	SMSAS-24PFFS-SF8003*	SMSAS-28PMMS-SF8003*	SMSAS-28PFFS-SF8003*
SMSAS-24PMMP-SF8003*	SMSAS-24PFFP-SF8003*	SMSAS-28PMMP-SF8003*	SMSAS-28PFFP-SF8003*
SMSAS-24PMMR-SF8003*	SMSAS-24PFFR-SF8003*	SMSAS-28PMMR-SF8003*	SMSAS-28PFFR-SF8003*

Panel Cut-Out



Assemble Style



Solder
(S) Receptacle

Number of Contacts	3	
Coding	A	
Rated Voltage (AC/DC)	250V	
Nominal current	4A	
Pin Assignment	MM	FF
MM: Male Connector Male Contact FF: Female Connector Female Contact		

M12 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, **FRONT** Fastened Nut

10 Wire Length: **(10)** 100mm ~ **(95)** 950mm (per 50mm) **(A0)** 1,000mm~**(A5)** 1,500mm (Per 100mm).
Standard Lengths: **(25)** 250mm and **(50)** 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

<p>(A, D code, Plastic/Metal/Shielded/Stainless)</p>	PG9		
	Plastic	MSAP-03 PM MC-SF8B 10 *	MSAP-03 PF FC-SF8B 10 *
	Metal Nut	M12A-03 PM MC-SF8B 10	M12A-03 PF FC-SF8B 10
	Shielded	MSAS-03 PM MC-SF8B 10	MSAS-03 PF FC-SF8B 10
	Stainless	SM12A-03 PM MC-SF8B 10 *	SM12A-03 PF FC-SF8B 10 *
	Stainless Shielded	SMSAS-03 PM MC-SF8B 10 *	SMSAS-03 PF FC-SF8B 10 *
	M16 x 1.5		
	Plastic	MSAP-03 PM MC-SF8C 10	MSAP-03 PF FC-SF8C 10
	Metal Nut	M12A-03 PM MC-SF8C 10	M12A-03 PF FC-SF8C 10
	Shielded	MSAS-03 PM MC-SF8C 10	MSAS-03 PF FC-SF8C 10

M12 Bulkhead / Receptacle, Hexagonal Flange, **REAR** Fastened Nut

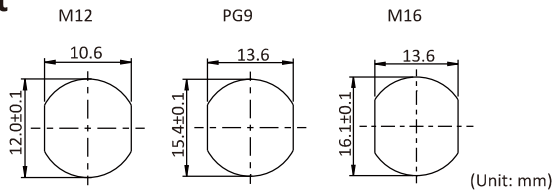
<p>(A, D code, Metal/Shielded/Stainless)</p>	PG9			
	Plastic	Solder Pins	MSAP-03 PM MS-SH8001*	MSAP-03 PF FS-SH8001*
	Metal Nut	Solder Pins	M12A-03 PM MS-SH8001	M12A-03 PF FS-SH8001
	Stainless	Solder Pins	SM12A-03 PM MS-SH8001*	SM12A-03 PF FS-SH8001*
	M16 x 1.5			
	Plastic	Solder Pins	MSAP-03 PM MS-SH8002*	MSAP-03 PF FS-SH8002*
	Metal Nut	Solder Pins	M12A-03 PM MS-SH8002	M12A-03 PF FS-SH8002
	Stainless	Solder Pins	SM12A-03 PM MS-SH8002*	SM12A-03 PF FS-SH8002*
	M12 x 1.0			
	Plastic	Solder Pins	MSAP-03 PM MS-SH8003*	MSAP-03 PF FS-SH8003*
Metal Nut	Solder Pins	M12A-03 PM MS-SH8003*	M12A-03 PF FS-SH8003*	
Stainless	Solder Pins	SM12A-03 PM MS-SH8003*	SM12A-03 PF FS-SH8003*	

* Upon Request

M12 A & D-Code Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

4		4		5	
A		D		A	
250V		250V		60V	
4A		4A		4A	
MM	FF	MM	FF	MM	FF
Product Part Numbers					
MSAP-04PMMC-SF8B	MSAP-04PFFC-SF8B	MSDP-04PMMC-SF8B	MSDP-04PFFC-SF8B	MSAP-05PMMC-SF8B	MSAP-05PFFC-SF8B
M12A-04PMMC-SF8B	M12A-04PFFC-SF8B	M12D-04PMMC-SF8B	M12D-04PFFC-SF8B	M12A-05PMMC-SF8B	M12A-05PFFC-SF8B
MSAS-04PMMC-SF8B	MSAS-04PFFC-SF8B	MSDS-04PMMC-SF8B	MSDS-04PFFC-SF8B	MSAS-05PMMC-SF8B	MSAS-05PFFC-SF8B
SM12A-04PMMC-SF8B	SM12A-04PFFC-SF8B	SM12D-04PMMC-SF8B	SM12D-04PFFC-SF8B	SM12A-05PMMC-SF8B	SM12A-05PFFC-SF8B
SMSAS-04PMMC-SF8B	SMSAS-04PFFC-SF8B	SMSDS-04PMMC-SF8B	SMSDS-04PFFC-SF8B	SMSAS-05PMMC-SF8B	SMSAS-05PFFC-SF8B
Product Part Numbers					
MSAP-04PMMC-SF8C	MSAP-04PFFC-SF8C	MSDP-04PMMC-SF8C	MSDP-04PFFC-SF8C	MSAP-05PMMC-SF8C	MSAP-05PFFC-SF8C
M12A-04PMMC-SF8C	M12A-04PFFC-SF8C	M12D-04PMMC-SF8C	M12D-04PFFC-SF8C	M12A-05PMMC-SF8C	M12A-05PFFC-SF8C
MSAS-04PMMC-SF8C	MSAS-04PFFC-SF8C	MSDS-04PMMC-SF8C	MSDS-04PFFC-SF8C	MSAS-05PMMC-SF8C	MSAS-05PFFC-SF8C
SM12A-04PMMC-SF8C	SM12A-04PFFC-SF8C	SM12D-04PMMC-SF8C	SM12D-04PFFC-SF8C	SM12A-05PMMC-SF8C	SM12A-05PFFC-SF8C
SMSAS-04PMMC-SF8C	SMSAS-04PFFC-SF8C	SMSDS-04PMMC-SF8C	SMSDS-04PFFC-SF8C	SMSAS-05PMMC-SF8C	SMSAS-05PFFC-SF8C
Product Part Numbers					
MSAP-04PMM S-SH8001	MSAP-04PFF S-SH8001	MSDP-04PMM S-SH8001	MSDP-04PFF S-SH8001	MSAP-05PMM S-SH8001	MSAP-05PFF S-SH8001
M12A-04PMM S-SH8001	M12A-04PFF S-SH8001	M12D-04PMM S-SH8001	M12D-04PFF S-SH8001	M12A-05PMM S-SH8001	M12A-05PFF S-SH8001
SM12A-04PMM S-SH8001	SM12A-04PFF S-SH8001	SM12D-04PMM S-SH8001	SM12D-04PFF S-SH8001	SM12A-05PMM S-SH8001	SM12A-05PFF S-SH8001
Product Part Numbers					
MSAP-04PMM S-SH8002	MSAP-04PFF S-SH8002	MSDP-04PMM S-SH8002	MSDP-04PFF S-SH8002	MSAP-05PMM S-SH8002	MSAP-05PFF S-SH8002
M12A-04PMM S-SH8002	M12A-04PFF S-SH8002	M12D-04PMM S-SH8002	M12D-04PFF S-SH8002	M12A-05PMM S-SH8002	M12A-05PFF S-SH8002
SM12A-04PMM S-SH8002	SM12A-04PFF S-SH8002	SM12D-04PMM S-SH8002	SM12D-04PFF S-SH8002	SM12A-05PMM S-SH8002	SM12A-05PFF S-SH8002
Product Part Numbers					
MSAP-04PMM S-SH8003	MSAP-04PFF S-SH8003	MSDP-04PMM S-SH8003	MSDP-04PFF S-SH8003	MSAP-05PMM S-SH8003	MSAP-05PFF S-SH8003
M12A-04PMM S-SH8003	M12A-04PFF S-SH8003	M12D-04PMM S-SH8003	M12D-04PFF S-SH8003	M12A-05PMM S-SH8003	M12A-05PFF S-SH8003
SM12A-04PMM S-SH8003	SM12A-04PFF S-SH8003	SM12D-04PMM S-SH8003	SM12D-04PFF S-SH8003	SM12A-05PMM S-SH8003	SM12A-05PFF S-SH8003

Panel Cut-Out



Assemble Style



Solder
(S) Receptacle

Number of Contacts	5	
Coding	B	
Rated Voltage (AC/DC)	60V	
Nominal current	4A	
Pin Assignment	MM	FF
MM: Male Connector Male Contact FF: Female Connector Female Contact		

M12 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, **FRONT** Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm~(A5) 1,500mm (Per 100mm).

Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.
































































(A, B code, Plastic/Metal/Shielded/Stainless) (MM) (FF) 	PG9		
	Plastic	MSBP-05PMMC-SF8B ⑩*	MSBP-05PFFC-SF8B ⑩*
	Metal Nut	M12B-05PMMC-SF8B ⑩	M12B-05PFFC-SF8B ⑩
	Shielded	MSBS-05PMMC-SF8B ⑩	MSBS-05PFFC-SF8B ⑩
	Stainless	SM12B-05PMMC-SF8B ⑩*	SM12B-05PFFC-SF8B ⑩*
	Stainless Shielded	SMSBS-05PMMC-SF8B ⑩*	SMSBS-05PFFC-SF8B ⑩*
	M16 x 1.5		
	Plastic	MSBP-05PMMC-SF8C ⑩*	MSBP-05PFFC-SF8C ⑩*
	Metal Nut	M12B-05PMMC-SF8C ⑩	M12B-05PFFC-SF8C ⑩
	Shielded	MSBS-05PMMC-SF8C ⑩	MSBS-05PFFC-SF8C ⑩

M12 Bulkhead / Receptacle, Hexagonal Flange, **REAR** Fastened Nut

(A, B code, Metal/Shielded/Stainless) (MM) (FF) (I code, Metal) (Male) (Female) 	PG9			
	Plastic	Solder Pins	MSBP-05PMMS-SH8001*	MSBP-05PFFS-SH8001*
	Metal Nut	Solder Pins	M12B-05PMMS-SH8001	M12B-05PFFS-SH8001
	Stainless	Solder Pins	SM12B-05PMMS-SH8001*	SM12B-05PFFS-SH8001*
	M16 x 1.5			
	Plastic	Solder Pins	MSBP-05PMMS-SH8002*	MSBP-05PFFS-SH8002*
	Metal Nut	Solder Pins	M12B-05PMMS-SH8002	M12B-05PFFS-SH8002
	Stainless	Solder Pins	SM12B-05PMMS-SH8002*	SM12B-05PFFS-SH8002*
	M12 x 1.0			
	Plastic	Solder Pins	MSBP-05PMMS-SH8003*	MSBP-05PFFS-SH8003*
Metal Nut	Solder Pins	M12B-05PMMS-SH8003*	M12B-05PFFS-SH8003*	
Stainless	Solder Pins	SM12B-05PMMS-SH8003*	SM12B-05PFFS-SH8003*	

* Upon Request

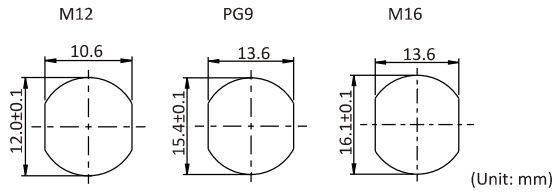
M12 A & I-Code Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

5		6		8	
I		A		A	
60V		30V		30V	
4A		2A		2A	
Male/Hybrid	Female/Hybrid	MM	FF	MM	FF
					
MSIP-05PMIC-SF8B  *	MSIP-05PFIC-SF8B  *	MSAP-06PMMC-SF8B  *	MSAP-06PFFC-SF8B  *	MSAP-08PMMC-SF8B  *	MSAP-08PFFC-SF8B  *
M12I-05PMIC-SF8B  *	M12I-05PFIC-SF8B  *	M12A-06PMMS-SF8B  *	M12A-06PFFS-SF8B  *	M12A-08PMMS-SF8B  *	M12A-08PFFS-SF8B  *
MSIS-05PMIC-SF8B  *	MSIS-05PFIC-SF8B  *	MSAS-06PMMS-SF8B  *	MSAS-06PFFS-SF8B  *	MSAS-08PMMS-SF8B  *	MSAS-08PFFS-SF8B  *
SM12I-05PMIC-SF8B  *	SM12I-05PFIC-SF8B  *	SM12A-06PMMC-SF8B  *	SM12A-06PFFC-SF8B  *	SM12A-08PMMC-SF8B  *	SM12A-08PFFC-SF8B  *
SMSIS-05PMIC-SF8B  *	SMSIS-05PFIC-SF8B  *	SMSAS-06PMMC-SF8B  *	SMSAS-06PFFC-SF8B  *	SMSAS-08PMMC-SF8B  *	SMSAS-08PFFC-SF8B  *
MSIP-05PMIC-SF8C  *	MSIP-05PFIC-SF8C  *	MSAP-06PMMC-SF8C  *	MSAP-06PFFC-SF8C  *	MSAP-08PMMC-SF8C  *	MSAP-08PFFC-SF8C  *
M12I-05PMIC-SF8C  *	M12I-05PFIC-SF8C  *	M12A-06PMMS-SF8C  *	M12A-06PFFS-SF8C  *	M12A-08PMMS-SF8C  *	M12A-08PFFS-SF8C  *
MSIS-05PMIC-SF8C  *	MSIS-05PFIC-SF8C  *	MSAS-06PMMS-SF8C  *	MSAS-06PFFS-SF8C  *	MSAS-08PMMS-SF8C  *	MSAS-08PFFS-SF8C  *
SM12I-05PMIC-SF8C  *	SM12I-05PFIC-SF8C  *	SM12A-06PMMC-SF8C  *	SM12A-06PFFC-SF8C  *	SM12A-08PMMC-SF8C  *	SM12A-08PFFC-SF8C  *
SMSIS-05PMIC-SF8C  *	SMSIS-05PFIC-SF8C  *	SMSAS-06PMMC-SF8C  *	SMSAS-06PFFC-SF8C  *	SMSAS-08PMMC-SF8C  *	SMSAS-08PFFC-SF8C  *
MSIP-05PMIS-SH8001*	MSIP-05PFIS-SH8001*	MSAP-06PMMS-SH8001*	MSAP-06PFFS-SH8001*	MSAP-08PMMS-SH8001*	MSAP-08PFFS-SH8001*
M12I-05PMIS-SH8001*	M12I-05PFIS-SH8001*	M12A-06PMMS-SH8001	M12A-06PFFS-SH8001	M12A-08PMMS-SH8001	M12A-08PFFS-SH8001
SM12I-05PMIS-SH8001*	SM12I-05PFIS-SH8001*	SM12A-06PMMS-SH8001*	SM12A-06PFFS-SH8001	SM12A-08PMMS-SH8001*	SM12A-08PFFS-SH8001*
MSIP-05PMIS-SH8002*	MSIP-05PFIS-SH8002*	MSAP-06PMMS-SH8002*	MSAP-06PFFS-SH8002*	MSAP-08PMMS-SH8002*	MSAP-08PFFS-SH8002*
M12I-05PMIS-SH8002*	M12I-05PFIS-SH8002*	M12A-06PMMS-SH8002	M12A-06PFFS-SH8002	M12A-08PMMS-SH8002	M12A-08PFFS-SH8002
SM12I-05PMIS-SH8002*	SM12I-05PFIS-SH8002*	SM12A-06PMMS-SH8002*	SM12A-06PFFS-SH8002	SM12A-08PMMS-SH8002*	SM12A-08PFFS-SH8002*
MSIP-05PMIS-SH8003*	MSIP-05PFIS-SH8003*	MSAP-06PMMS-SH8003*	MSAP-06PFFS-SH8003*	MSAP-08PMMS-SH8003*	MSAP-08PFFS-SH8003*
M12I-05PMIS-SH8003*	M12I-05PFIS-SH8003*	M12A-06PMMS-SH8003*	M12A-06PFFS-SH8003*	M12A-08PMMS-SH8003*	M12A-08PFFS-SH8003*
SM12I-05PMIS-SH8003*	SM12I-05PFIS-SH8003*	SM12A-06PMMS-SH8003*	SM12A-06PFFS-SH8003*	SM12A-08PMMS-SH8003*	SM12A-08PFFS-SH8003*

M12 X & Y-Code Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

Panel Cut-Out

Assemble Style



PCB 180°
(P) Receptacle



PCB 90°
(R) Receptacle



Solder
(S) Receptacle

Number of Contacts	8		8
Coding	X (CAT.6A)		Y (Hybrid)*
Rated Voltage (AC/DC)	30V		60V
Nominal current	2A		0.5A / 6A
Pin Assignment	MM	FF	FF
MM: Male Connector Male Contact FF: Female Connector Female Contact FI: Female Connector Male + Female Contact			

M12 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, FRONT Fastened Nut






















⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm~(A5) 1,500mm (Per 100mm).
Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

(A code, Plastic/Metal/Shielded/Stainless)		PG9			
		(MM)	(FF)		
 PG9 / M16*1.5	 PG9 / M16*1.5	Plastic	-	-	-
		Metal Nut	-	-	-
		Shielded	-	-	-
		Stainless	-	-	-
		Stainless Shielded	-	-	-
		M16 x 1.5			
		(MM)	(FF)		
		Plastic	-	-	-
		Metal Nut	-	-	-
		Shielded	-	-	-
		Stainless	-	-	-
		Stainless Shielded	-	-	-

M12 Bulkhead / Receptacle, Hexagonal Flange, REAR Fastened Nut

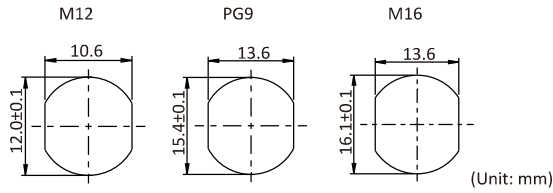
(A, Y code, Metal/Shielded/Stainless)		PG9				
		(MM)	(FF)			
 PG9 / M16*1.5 / M12*1.0	 PG9 / M16*1.5 / M12*1.0	Plastic	Solder Pins	-	-	-
		Metal Nut	Solder Pins	-	-	-
		Shielded	Straight PCB	MSXS-08PMMP-SH7001*	MSXS-08PFFP-SH7001*	MSYS-08PFIP-SH7001*
			Right Angle PCB	MSXS-08PMMR-SH7001*	MSXS-08PFFR-SH7001	MSYS-08PFIR-SH7001*
		Stainless	Solder Pins	-	-	-
Stainless Shielded	Straight PCB	SMSXS-08PMMP-SH7001*	SMSXS-08PFFP-SH7001*	SMSYS-08PFIP-SH7001*		
	Right Angle PCB	SMSXS-08PMMR-SH7001*	SMSXS-08PFFR-SH7001*	SMSYS-08PFIR-SH7001*		
(X code, Metal/Stainless)		M16 x 1.5				
		(MM)	(FF)			
 PG9 / M16*1.5	 PG9 / M16*1.5	Plastic	Solder Pins	-	-	-
		Metal Nut	Solder Pins	-	-	-
		Shielded	Straight PCB	MSXS-08PMMP-SH7002*	MSXS-08PFFP-SH7002*	MSYS-08PFIP-SH7002*
			Right Angle PCB	MSXS-08PMMR-SH7002*	MSXS-08PFFR-SH7002	MSYS-08PFIR-SH7002*
		Stainless	Solder Pins	-	-	-
Stainless Shielded	Straight PCB	SMSXS-08PMMP-SH7002*	SMSXS-08PFFP-SH7002*	SMSYS-08PFIP-SH7002*		
	Right Angle PCB	SMSXS-08PMMR-SH7002*	SMSXS-08PFFR-SH7002*	SMSYS-08PFIR-SH7002*		
		M12 x 1.0				
		(MM)	(FF)			
 M12*1.0	 M12*1.0	Plastic	Solder Pins	-	-	-
		Straight PCB	MSXS-08PMMP-SH7003*	MSXS-08PFFP-SH7003	MSYS-08PFIP-SH7003*	
			Right Angle PCB	MSXS-08PMMR-SH7003*	MSXS-08PFFR-SH7003	MSYS-08PFIR-SH7003*
		Metal Nut	Solder Pins	-	-	-
		Stainless	Solder Pins	-	-	-

* Upon Request

10		12		17	
A		A		A	
30V		30V		30V	
1.5A		1.5A		1.5A	
MM	FF	MM	FF	MM	FF
					
MSAP-10PMMC-SF8B 	MSAP-10PFFC-SF8B 	MSAP-12PMMC-SF8B 	MSAP-12PFFC-SF8B 	MSAP-17PMMC-SF8B 	MSAP-17PFFC-SF8B 
M12A-10PMMs-SF8B 	M12A-10PFFs-SF8B 	M12A-12PMMs-SF8B 	M12A-12PFFs-SF8B 	M12A-17PMMC-SF8B 	M12A-17PFFC-SF8B 
MSAS-10PMMs-SF8B 	MSAS-10PFFs-SF8B 	MSAS-12PMMs-SF8B 	MSAS-12PFFs-SF8B 	MSAS-17PMMC-SF8B 	MSAS-17PFFC-SF8B 
SM12A-10PMMC-SF8B 	SM12A-10PFFC-SF8B 	SM12A-12PMMC-SF8B 	SM12A-12PFFC-SF8B 	SM12A-17PMMC-SF8B 	SM12A-17PFFC-SF8B 
SMSAS-10PMMC-SF8B 	SMSAS-10PFFC-SF8B 	SMSAS-12PMMC-SF8B 	SMSAS-12PFFC-SF8B 	SMSAS-17PMMC-SF8B 	SMSAS-17PFFC-SF8B 
MSAP-10PMMC-SF8C 	MSAP-10PFFC-SF8C 	MSAP-12PMMC-SF8C 	MSAP-12PFFC-SF8C 	MSAP-17PMMC-SF8C 	MSAP-17PFFC-SF8C 
M12A-10PMMs-SF8C 	M12A-10PFFs-SF8C 	M12A-12PMMs-SF8C 	M12A-12PFFs-SF8C 	M12A-17PMMC-SF8C 	M12A-17PFFC-SF8C 
MSAS-10PMMs-SF8C 	MSAS-10PFFs-SF8C 	MSAS-12PMMs-SF8C 	MSAS-12PFFs-SF8C 	MSAS-17PMMC-SF8C 	MSAS-17PFFC-SF8C 
SM12A-10PMMC-SF8C 	SM12A-10PFFC-SF8C 	SM12A-12PMMC-SF8C 	SM12A-12PFFC-SF8C 	SM12A-17PMMC-SF8C 	SM12A-17PFFC-SF8C 
SMSAS-10PMMC-SF8C 	SMSAS-10PFFC-SF8C 	SMSAS-12PMMC-SF8C 	SMSAS-12PFFC-SF8C 	SMSAS-17PMMC-SF8C 	SMSAS-17PFFC-SF8C 
MSAP-10PMMs-SH8001* 	MSAP-10PFFs-SH8001* 	MSAP-12PMMs-SH8001* 	MSAP-12PFFs-SH8001* 	MSAP-17PMMs-SH8001* 	MSAP-17PFFs-SH8001* 
M12A-10PMMs-SH8001 	M12A-10PFFs-SH8001 	M12A-12PMMs-SH8001 	M12A-12PFFs-SH8001 	M12A-17PMMs-SH8001 	M12A-17PFFs-SH8001 
-	-	-	-	-	-
-	-	-	-	-	-
SM12A-10PMMs-SH8001* 	SM12A-10PFFs-SH8001* 	SM12A-12PMMs-SH8001* 	SM12A-12PFFs-SH8001* 	SM12A-17PMMs-SH8001* 	SM12A-17PFFs-SH8001* 
-	-	-	-	-	-
-	-	-	-	-	-
MSAP-10PMMs-SH8002* 	MSAP-10PFFs-SH8002* 	MSAP-12PMMs-SH8002* 	MSAP-12PFFs-SH8002* 	MSAP-17PMMs-SH8002* 	MSAP-17PFFs-SH8002* 
M12A-10PMMs-SH8002 	M12A-10PFFs-SH8002 	M12A-12PMMs-SH8002 	M12A-12PFFs-SH8002 	M12A-17PMMs-SH8002 	M12A-17PFFs-SH8002 
-	-	-	-	-	-
-	-	-	-	-	-
SM12A-10PMMs-SH8002* 	SM12A-10PFFs-SH8002* 	SM12A-12PMMs-SH8002* 	SM12A-12PFFs-SH8002* 	SM12A-17PMMs-SH8002* 	SM12A-17PFFs-SH8002* 
-	-	-	-	-	-
-	-	-	-	-	-
MSAP-10PMMs-SH8003* 	MSAP-10PFFs-SH8003* 	MSAP-12PMMs-SH8003* 	MSAP-12PFFs-SH8003* 	MSAP-17PMMs-SH8003* 	MSAP-17PFFs-SH8003* 
-	-	-	-	-	-
-	-	-	-	-	-
M12A-10PMMs-SH8003* 	M12A-10PFFs-SH8003* 	M12A-12PMMs-SH8003* 	M12A-12PFFs-SH8003* 	M12A-17PMMs-SH8003* 	M12A-17PFFs-SH8003* 
SM12A-10PMMs-SH8003* 	SM12A-10PFFs-SH8003* 	SM12A-12PMMs-SH8003* 	SM12A-12PFFs-SH8003* 	SM12A-17PMMs-SH8003* 	SM12A-17PFFs-SH8003* 

Panel Cut-Out

Assemble Style



Number of Contacts	18	
Coding	A	
Rated Voltage (AC/DC)	30V	
Nominal current	0.5A	
Pin Assignment	MM	FF
MM : Male Connector Male Contact FF : Female Connector Female Contact		








M12 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, **FRONT** Fastened Nut
 ⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm~(A5) 1,500mm (Per 100mm).
 Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

(Plastic/Metal/Shielded/Stainless) (MM) (FF) 	PG9		
	Plastic	MSAP-18PMMC-SF8B ⑩*	MSAP-18PFFC-SF8B ⑩*
	Metal Nut	M12A-18PMMC-SF8B ⑩*	M12A-18PFFC-SF8B ⑩*
	Shielded	MSAS-18PMMC-SF8B ⑩*	MSAS-18PFFC-SF8B ⑩*
	Stainless	SM12A-18PMMC-SF8B ⑩*	SM12A-18PFFC-SF8B ⑩*
	Stainless Shielded	SMSAS-18PMMC-SF8B ⑩*	SMSAS-18PFFC-SF8B ⑩*
	M16 x 1.5		
	Plastic	MSAP-18PMMC-SF8C ⑩*	MSAP-18PFFC-SF8C ⑩*
	Metal Nut	M12A-18PMMC-SF8C ⑩*	M12A-18PFFC-SF8C ⑩*
	Shielded	MSAS-18PMMC-SF8C ⑩*	MSAS-18PFFC-SF8C ⑩*
	Stainless	SM12A-18PMMC-SF8C ⑩*	SM12A-18PFFC-SF8C ⑩*
	Stainless Shielded	SMSAS-18PMMC-SF8C ⑩*	SMSAS-18PFFC-SF8C ⑩*

M12 Bulkhead / Receptacle, Hexagonal Flange, **REAR** Fastened Nut

(Metal/Shielded/Stainless) (MM) (FF) 	PG9			
	Plastic	Solder Pins	MSAP-18PMMS-SH8001*	MSAP-18PFFS-SH8001*
	Metal Nut	Solder Pins	M12A-18PMMS-SH8001*	M12A-18PFFS-SH8001*
	Shielded	Straight PCB	-	-
		Right Angle PCB	-	-
	Stainless	Solder Pins	SM12A-18PMMS-SH8001*	SM12A-18PFFS-SH8001*
	Stainless Shielded	Straight PCB	-	-
		Right Angle PCB	-	-
	M16 x 1.5			
	Plastic	Solder Pins	MSAP-18PMMS-SH8002*	MSAP-18PFFS-SH8002*
	Metal Nut	Solder Pins	M12A-18PMMS-SH8002*	M12A-18PFFS-SH8002*
	Shielded	Straight PCB	-	-
		Right Angle PCB	-	-
	Stainless	Solder Pins	SM12A-18PMMS-SH8002*	SM12A-18PFFS-SH8002*
	Stainless Shielded	Straight PCB	-	-
		Right Angle PCB	-	-
	M12 x 1.0			
	Plastic	Solder Pins	MSAP-18PMMS-SH8003*	MSAP-18PFFS-SH8003*
		Straight PCB	-	-
		Right Angle PCB	-	-
	Metal Nut	Solder Pins	M12A-18PMMS-SH8003*	M12A-18PFFS-SH8003*
Stainless	Solder Pins	SM12A-18PMMS-SH8003*	SM12A-18PFFS-SH8003*	

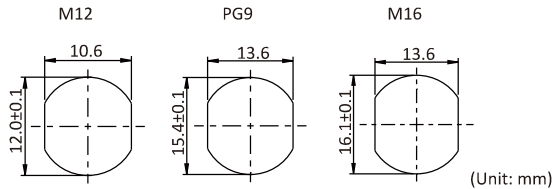
* Upon Request

24		28	
A		A	
30V		30V	
0.5A		0.5A	
MM	FF	MM	FF
			
MSAP-24PMMC-SF8B  *	MSAP-24PFFC-SF8B  *	MSAP-28PMMC-SF8B  *	MSAP-28PFFC-SF8B  *
M12A-24PMMC-SF8B  *	M12A-24PFFC-SF8B  *	M12A-28PMMC-SF8B  *	M12A-28PFFC-SF8B  *
MSAS-24PMMC-SF8B  *	MSAS-24PFFC-SF8B  *	MSAS-28PMMC-SF8B  *	MSAS-28PFFC-SF8B  *
SM12A-24PMMC-SF8B  *	SM12A-24PFFC-SF8B  *	SM12A-28PMMC-SF8B  *	SM12A-28PFFC-SF8B  *
SMSAS-24PMMC-SF8B  *	SMSAS-24PFFC-SF8B  *	SMSAS-28PMMC-SF8B  *	SMSAS-28PFFC-SF8B  *
MSAP-24PMMC-SF8C  *	MSAP-24PFFC-SF8C  *	MSAP-28PMMC-SF8C  *	MSAP-28PFFC-SF8C  *
M12A-24PMMC-SF8C  *	M12A-24PFFC-SF8C  *	M12A-28PMMC-SF8C  *	M12A-28PFFC-SF8C  *
MSAS-24PMMC-SF8C  *	MSAS-24PFFC-SF8C  *	MSAS-28PMMC-SF8C  *	MSAS-28PFFC-SF8C  *
SM12A-24PMMC-SF8C  *	SM12A-24PFFC-SF8C  *	SM12A-28PMMC-SF8C  *	SM12A-28PFFC-SF8C  *
SMSAS-24PMMC-SF8C  *	SMSAS-24PFFC-SF8C  *	SMSAS-28PMMC-SF8C  *	SMSAS-28PFFC-SF8C  *
MSAP-24PMMS-SH8001*	MSAP-24PFFS-SH8001*	MSAP-28PMMS-SH8001*	MSAP-28PFFS-SH8001*
M12A-24PMMS-SH8001*	M12A-24PFFS-SH8001*	M12A-28PMMS-SH8001*	M12A-28PFFS-SH8001*
-	-	-	-
-	-	-	-
SM12A-24PMMS-SH8001*	SM12A-24PFFS-SH8001*	SM12A-28PMMS-SH8001*	SM12A-28PFFS-SH8001*
-	-	-	-
-	-	-	-
MSAP-24PMMS-SH8002*	MSAP-24PFFS-SH8002*	MSAP-28PMMS-SH8002*	MSAP-28PFFS-SH8002*
M12A-24PMMS-SH8002*	M12A-24PFFS-SH8002*	M12A-28PMMS-SH8002*	M12A-28PFFS-SH8002*
-	-	-	-
-	-	-	-
SM12A-24PMMS-SH8002*	SM12A-24PFFS-SH8002*	SM12A-28PMMS-SH8002*	SM12A-28PFFS-SH8002*
-	-	-	-
-	-	-	-
MSAP-24PMMS-SH8003*	MSAP-24PFFS-SH8003*	MSAP-28PMMS-SH8003*	MSAP-28PFFS-SH8003*
-	-	-	-
-	-	-	-
M12A-24PMMS-SH8003*	M12A-24PFFS-SH8003*	M12A-28PMMS-SH8003*	M12A-28PFFS-SH8003*
SM12A-24PMMS-SH8003*	SM12A-24PFFS-SH8003*	SM12A-28PMMS-SH8003*	SM12A-28PFFS-SH8003*

M12 A-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

Panel Cut-Out



Number of Contacts	3	
Coding	A	
Rated Voltage (AC/DC)	250V	
Nominal current	4A	
Pin Assignment	MM	FF
MM : Male Connector Male Contact FF : Female Connector Female Contact		

M12 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, REAR Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm~(A5) 1,500mm (Per 100mm).

Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

<p>(A code, Plastic) (A, D code, Metal/Stainless)</p> <p>(MM) (FF)</p>	PG9		
	Plastic	MSAP-03PMMC-SH8B ⑩*	MSAP-03PFFC-SH8B ⑩*
	Metal Nut	M12A-03PMMC-SH8B ⑩	M12A-03PFFC-SH8B ⑩
	Stainless	SM12A-03PMMC-SH8B ⑩*	SM12A-03PFFC-SH8B ⑩*
	M16 x 1.5		
	Plastic	MSAP-03PMMC-SH8C ⑩*	MSAP-03PFFC-SH8C ⑩*
Metal Nut	M12A-03PMMC-SH8C ⑩	M12A-03PFFC-SH8C ⑩	
Stainless	SM12A-03PMMC-SH8C ⑩*	SM12A-03PFFC-SH8C ⑩*	

M12 Bulkhead / Receptacle With UL1061 PVC Wires, 26mm SQUARE Flange with 4 x M3 Mounting Holes Screws

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm~(A5) 1,500mm (Per 100mm).

Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

<p>(Male) (Female)</p>	Plastic	MSAP-03PMMC-SS8E ⑩*	MSAP-03PFFC-SS8E ⑩*
	Shielded	MSAS-03PMMC-SS8E ⑩*	MSAS-03PFFC-SS8E ⑩*
	Stainless	SM12A-03PMMC-SS8E ⑩*	SM12A-03PFFC-SS8E ⑩*
	Stainless Shielded	SMSAS-03PMMC-SS8E ⑩*	SMSAS-03PFFC-SS8E ⑩*

M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

<p>Male (Shielded) Female (Shielded)</p> <p>(Non Shielded) (Non Shielded)</p>	Unshielded	THR Straight	M12A-03PMMP-EE0001*	M12A-03PFFP-EE0001*
		THR Right Angle	M12A-03PMMR-EE0001	M12A-03PFFR-EE0001
		SMD Straight	M12A-03PMMT-EE0001*	M12A-03PFFT-EE0001*
		SMD Straight	M12A-03PMMT-EE0002*	M12A-03PFFT-EE0002*
	Shielded	THR Straight	MSAS-03PMMP-EE0001*	MSAS-03PFFP-EE0001*
		THR Right Angle	MSAS-03PMMR-EE0001	MSAS-03PFFR-EE0001
		SMD Straight	MSAS-03PMMT-EE0001*	MSAS-03PFFT-EE0001*
		SMD Straight	MSAS-03PMMT-EE0002*	MSAS-03PFFT-EE0002*

M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

<p>APPM-AAAMA012-001 APPM-AAAMA012-002 APPM-AAAMA012-005</p> <p>APPM-AAFA012-001 APPM-AAFA012-002 APPM-AAFA012-004 APPM-AAFA012-014</p>	Front Fastened, THR Male	APPM-AAAMA012-006 (Straight) / APPM-AAAMA012-005 (Right Angle)
	Front Fastened, SMD Male	APPM-AAAMA012-001
	Front Fastened, THR Female	APPM-AAFA012-014 (Straight) / APPM-AAFA012-005 (Right Angle)
	Front Fastened, SMD Female	APPM-AAFA012-001
	Rear Fastened, THR Male	-
	Rear Fastened, SMD Male	APPM-AAAMA012-002
	Rear Fastened, THR Female	APPM-AAFA012-012 (Straight) / APPM-AAFA012-006 (Right Angle)
	Rear Fastened, SMD Female	APPM-AAFA012-002

M12 A & D-Code

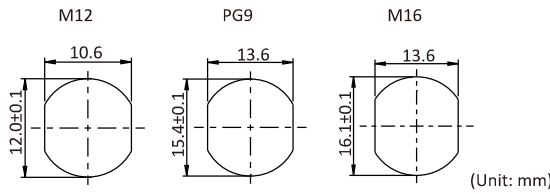
Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

4		4		5	
A		D		A	
250V		250V		60V	
4A		4A		4A	
MM	FF	MM	FF	MM	FF
MSAP-04PMMC-SH8B	MSAP-04PFFC-SH8B	MSDP-04PMMC-SH8B	MSDP-04PFFC-SH8B	MSAP-05PMMC-SH8B	MSAP-05PFFC-SH8B
M12A-04PMMC-SH8B	M12A-04PFFC-SH8B	M12D-04PMMC-SH8B	M12D-04PFFC-SH8B	M12A-05PMMC-SH8B	M12A-05PFFC-SH8B
SM12A-04PMMC-SH8B	SM12A-04PFFC-SH8B	SM12D-04PMMC-SH8B	SM12D-04PFFC-SH8B	SM12A-05PMMC-SH8B	SM12A-05PFFC-SH8B
MSAP-04PMMC-SH8C	MSAP-04PFFC-SH8C	MSDP-04PMMC-SH8C	MSDP-04PFFC-SH8C	MSAP-05PMMC-SH8C	MSAP-05PFFC-SH8C
M12A-04PMMC-SH8C	M12A-04PFFC-SH8C	M12D-04PMMC-SH8C	M12D-04PFFC-SH8C	M12A-05PMMC-SH8C	M12A-05PFFC-SH8C
SM12A-04PMMC-SH8C	SM12A-04PFFC-SH8C	SM12D-04PMMC-SH8C	SM12D-04PFFC-SH8C	SM12A-05PMMC-SH8C	SM12A-05PFFC-SH8C
MSAP-04PMMC-SS8E	MSAP-04PFFC-SS8E	MSDP-04PMMC-SS8E	MSDP-04PFFC-SS8E	MSAP-05PMMC-SS8E	MSAP-05PFFC-SS8E
MSAS-04PMMC-SS8E	MSAS-04PFFC-SS8E	MSDS-04PMMC-SS8E	MSDS-04PFFC-SS8E	MSAS-05PMMC-SS8E	MSAS-05PFFC-SS8E
SM12A-04PMMC-SS8E	SM12A-04PFFC-SS8E	SM12D-04PMMC-SS8E	SM12D-04PFFC-SS8E	SM12A-05PMMC-SS8E	SM12A-05PFFC-SS8E
SMSAS-04PMMC-SS8E	SMSAS-04PFFC-SS8E	SMSDS-04PMMC-SS8E	SMSDS-04PFFC-SS8E	SMSAS-05PMMC-SS8E	SMSAS-05PFFC-SS8E
M12A-04PMMP-EE0001*	M12A-04PFFP-EE0001*	M12D-04PMMP-EE0001*	M12D-04PFFP-EE0001*	M12A-05PMMP-EE0001*	M12A-05PFFP-EE0001*
M12A-04PMMP-EE0001	M12A-04PFFR-EE0001	M12D-04PMMP-EE0001	M12D-04PFFR-EE0001	M12A-05PMMP-EE0001	M12A-05PFFR-EE0001
M12A-04PMMT-EE0001	M12A-04PFFT-EE0001	M12D-04PMMT-EE0001	M12D-04PFFT-EE0001	M12A-05PMMT-EE0001	M12A-05PFFT-EE0001
M12A-04PMMT-EE0002*	M12A-04PFFT-EE0002*	M12D-04PMMT-EE0002*	M12D-04PFFT-EE0002	M12A-05PMMT-EE0002*	M12A-05PFFT-EE0002*
MSAS-04PMMP-EE0001*	MSAS-04PFFP-EE0001*	MSDS-04PMMP-EE0001*	MSDS-04PFFP-EE0001*	MSAS-05PMMP-EE0001*	MSAS-05PFFP-EE0001*
MSAS-04PMMP-EE0001	MSAS-04PFFR-EE0001	MSDS-04PMMP-EE0001	MSDS-04PFFR-EE0001	MSAS-05PMMP-EE0001	MSAS-05PFFR-EE0001
MSAS-04PMMT-EE0001	MSAS-04PFFT-EE0001	MSDS-04PMMT-EE0001	MSDS-04PFFT-EE0001	MSAS-05PMMT-EE0001	MSAS-05PFFT-EE0001
MSAS-04PMMT-EE0002*	MSAS-04PFFT-EE0002*	MSDS-04PMMT-EE0002*	MSDS-04PFFT-EE0002*	MSAS-05PMMT-EE0002*	MSAS-05PFFT-EE0002*
APPM-AAAMA012-006 (Straight) / APPM-AAAMA012-005 (Right Angle)					
APPM-AAAMA012-001					
APPM-AAFA012-014 (Straight) / APPM-AAFA012-005 (Right Angle)					
APPM-AAFA012-001					
-					
APPM-AAAMA012-002					
APPM-AAFA012-012 (Straight) / APPM-AAFA012-006 (Right Angle)					
APPM-AAFA012-002	APPM-AAFA012-002		APPM-AAFA012-002		
	APPM-AAFA012-004 For M12D-04PFFT-EE0002				

M12 B-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

Panel Cut-Out



Number of Contacts	5	
Coding	B	
Rated Voltage (AC/DC)	60V	
Nominal current	4A	
Pin Assignment	MM	FF
MM: Male Connector Male Contact FF: Female Connector Female Contact MI: Male Connector Male + Female Contact FI: Female Connector Male + Female Contact		

M12 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, REAR Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm~(A5) 1,500mm (Per 100mm).

Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

(A code, Plastic) (A, B code, Metal/Stainless)	PG9		
	(MM)	(FF)	
	Plastic	MSBP-05PMMC-SH8B ⑩*	MSBP-05PFFC-SH8B ⑩*
	Metal Nut	M12B-05PMMC-SH8B ⑩	M12B-05PFFC-SH8B ⑩
	Stainless	SM12B-05PMMC-SH8B ⑩*	SM12B-05PFFC-SH8B ⑩*
M16 x 1.5			
	Plastic	MSBP-05PMMC-SH8C ⑩*	MSBP-05PFFC-SH8C ⑩*
	Metal Nut	M12B-05PMMC-SH8C ⑩	M12B-05PFFC-SH8C ⑩
	Stainless	SM12B-05PMMC-SH8C ⑩*	SM12B-05PFFC-SH8C ⑩*

M12 Bulkhead / Receptacle With UL1061 PVC Wires, 26mm SQUARE Flange with 4 x M3 Mounting Holes Screws

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm~(A5) 1,500mm (Per 100mm).

Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

(Male)	(Female)			
	Plastic	MSBP-05PMMC-SS8E ⑩*	MSBP-05PFFC-SS8E ⑩*	
	Shielded	MSBS-05PMMC-SS8E ⑩*	MSBS-05PFFC-SS8E ⑩*	
	Stainless	SM12B-05PMMC-SS8E ⑩*	SM12B-05PFFC-SS8E ⑩*	
	Stainless Shielded	SMSBS-05PMMC-SS8E ⑩*	SMSBS-05PFFC-SS8E ⑩*	

M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

Male (Shielded)	Female (Shielded)	Unshielded	THR Straight	M12B-05PMMP-EE0001*	M12B-05PFFP-EE0001*
			THR Right Angle	M12B-05PMMR-EE0001	M12B-05PFFR-EE0001
		SMD Straight	M12B-05PMMT-EE0001*	M12B-05PFFT-EE0001	
(Non Shielded)	(Non Shielded)	Shielded	SMD Straight	M12B-05PMMT-EE0002*	M12B-05PFFT-EE0002*
			THR Straight	MSBS-05PMMP-EE0001*	MSBS-05PFFP-EE0001*
		THR Right Angle	MSBS-05PMMR-EE0001	MSBS-05PFFR-EE0001	
		SMD Straight	MSBS-05PMMT-EE0001	MSBS-05PFFT-EE0001	
		SMD Straight	MSBS-05PMMT-EE0002*	MSBS-05PFFT-EE0002*	
































































M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

APPM-AAAMA012-001	APPM-AAAMA012-002	APPM-AAAMA012-005	Front Fastened, THR Male	APPM-AAAMA012-006 (Straight) / APPM-AAAMA012-005 (Right Angle)
			Front Fastened, SMD Male	APPM-AAAMA012-001
			Front Fastened, THR Female	APPM-AAAF012-014 (Straight) / APPM-AAAF012-005 (Right Angle)
			Front Fastened, SMD Female	APPM-AAAF012-001
			Rear Fastened, THR Male	-
			Rear Fastened, SMD Male	APPM-AAAMA012-002
			Rear Fastened, THR Female	APPM-AAAF012-012 (Straight) / APPM-AAAF012-006 (Right Angle)
			Rear Fastened, SMD Female	APPM-AAAF012-002

* Upon Request

M12 A & I-Code

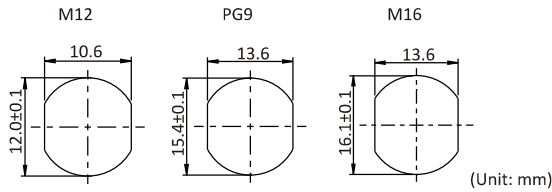
Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

5		6		8	
I		A		A	
60V		30V		30V	
4A		2A		2A	
Male/Hybrid	Female/Hybrid	MM	FF	MM	FF
					
MSIP-05PMIC-SH8B 	MSIP-05PFIC-SH8B 	MSAP-06PMMC-SH8B 	MSAP-06PFFC-SH8B 	MSAP-08PMMC-SH8B 	MSAP-08PFFC-SH8B 
M12I-05PMIC-SH8B 	M12I-05PFIC-SH8B 	M12A-06PMMC-SH8B 	M12A-06PFFC-SH8B 	M12A-08PMMC-SH8B 	M12A-08PFFC-SH8B 
SM12I-05PMIC-SH8B 	SM12I-05PFIC-SH8B 	SM12A-06PMMC-SH8B 	SM12A-06PFFC-SH8B 	SM12A-08PMMC-SH8B 	SM12A-08PFFC-SH8B 
MSIP-05PMIC-SH8C 	MSIP-05PFIC-SH8C 	MSAP-06PMMC-SH8C 	MSAP-06PFFC-SH8C 	MSAP-08PMMC-SH8C 	MSAP-08PFFC-SH8C 
M12I-05PMIC-SH8C 	M12I-05PFIC-SH8C 	M12A-06PMMC-SH8C 	M12A-06PFFC-SH8C 	M12A-08PMMC-SH8C 	M12A-08PFFC-SH8C 
SM12I-05PMIC-SH8C 	SM12I-05PFIC-SH8C 	SM12A-06PMMC-SH8C 	SM12A-06PFFC-SH8C 	SM12A-08PMMC-SH8C 	SM12A-08PFFC-SH8C 
MSIP-05PMIC-SS8E 	MSIP-05PFIC-SS8E 	MSAP-06PMMC-SS8E 	MSAP-06PFFC-SS8E 	MSAP-08PMMC-SS8E 	MSAP-08PFFC-SS8E 
MSIS-05PMIC-SS8E 	MSIS-05PFIC-SS8E 	MSAS-06PMMC-SS8E 	MSAS-06PFFC-SS8E 	MSAS-08PMMC-SS8E 	MSAS-08PFFC-SS8E 
SM12I-05PMIC-SS8E 	SM12I-05PFIC-SS8E 	SM12A-06PMMC-SS8E 	SM12A-06PFFC-SS8E 	SM12A-08PMMC-SS8E 	SM12A-08PFFC-SS8E 
SMSIS-05PMIC-SS8E 	SMSIS-05PFIC-SS8E 	SMSAS-06PMMC-SS8E 	SMSAS-06PFFC-SS8E 	SMSAS-08PMMC-SS8E 	SMSAS-08PFFC-SS8E 
-	-	M12A-06PMMP-EE0001*	M12A-06PFFP-EE0001*	M12A-08PMMP-EE0001	M12A-08PFFP-EE0001*
-	-	M12A-06PMMR-EE0001*	M12A-06PFFR-EE0001*	M12A-08PMMR-EE0001	M12A-08PFFR-EE0001
-	-	M12A-06PMMT-EE0001*	M12A-06PFFT-EE0001*	M12A-08PMMT-EE0001	M12A-08PFFT-EE0001
-	-	M12A-06PMMT-EE0002*	M12A-06PFFT-EE0002*	M12A-08PMMT-EE0002*	M12A-08PFFT-EE0002*
-	-	MSAS-06PMMP-EE0001*	MSAS-06PFFP-EE0001*	MSAS-08PMMP-EE0001*	MSAS-08PFFP-EE0001*
-	-	MSAS-06PMMR-EE0001*	MSAS-06PFFR-EE0001*	MSAS-08PMMR-EE0001	MSAS-08PFFR-EE0001
-	-	MSAS-06PMMT-EE0001*	MSAS-06PFFT-EE0001*	MSAS-08PMMT-EE0001	MSAS-08PFFT-EE0001
-	-	MSAS-06PMMT-EE0002*	MSAS-06PFFT-EE0002*	MSAS-08PMMT-EE0002*	MSAS-08PFFT-EE0002*
-	-	APPM-AAAMA012-006 (Straight) / APPM-AAAMA012-005 (Right Angle)			
-	-	APPM-AAAMA012-001			
-	-	APPM-AAFA012-014 (Straight) / APPM-AAFA012-005 (Right Angle)			
-	-	APPM-AAFA012-001			
-	-	-			
-	-	APPM-AAAMA012-002			
-	-	APPM-AAFA012-012 (Straight) / APPM-AAFA012-006 (Right Angle)			
-	-	APPM-AAFA012-002			

M12 X & Y-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

Panel Cut-Out



Number of Contacts	8		8
Coding	X (CAT.6A)		Y (Hybrid)*
Rated Voltage (AC/DC)	30V		60V
Nominal current	2A		0.5A / 6A
Pin Assignment	MM	FF	FF
MM: Male Connector Male Contact FF: Female Connector Female Contact FI: Female Connector Male + Female Contact			

M12 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, **REAR** Fastened Nut
 ⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm).
 Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

(A code, Plastic/Metal/Stainless) (MM) (FF) 	PG9			
	Plastic	-	-	-
	Metal Nut	-	-	-
	Stainless	-	-	-
	M16 x 1.5			
	Plastic	-	-	-
	Metal Nut	-	-	-
	Stainless	-	-	-

M12 Bulkhead / Receptacle With UL1061 PVC Wires, 26mm **SQUARE** Flange with 4 x M3 Mounting Holes Screws
 ⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm).
 Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ might apply for non-standard lengths.

(Male)	(Female)	Plastic	-	-	-
		Shielded	MSXS-08PMMC-SS8E ⑩*	MSXS-08PFFC-SS8E ⑩*	MSYS-08PFIC-SS8E ⑩*
		Stainless	-	-	-
		Stainless Shielded	SMSXS-08PMMC-SS8E ⑩*	SMSXS-08PFFC-SS8E ⑩*	SMSYS-08PFIC-SS8E ⑩*

M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

A Code Male (Shielded) 22.8 Female (Shielded) 19.4 (Non Shielded) 22.8 (Non Shielded) 19.4 X Code 18.3	Unshielded	THR Straight	-	-	-
		THR Right Angle	-	-	-
		SMD Straight	-	M12X-08PFFT-EE0001* (with O-ring Notch)	-
			-	M12X-08PFFT-EE0002* (with O-ring Notch)	-
	Shielded	THR Straight	-	MSXS-08PFFP-EE0001	-
		THR Right Angle	-	MSXS-08PFFR-EE0001	-
		SMD Straight	-	MSXS-08PFFR-EE0002	-
			-	MSXS-08PFFT-EE0001 (with O-ring Notch)	-
			MSXS-08PFFT-EE0002 (without O-ring Notch)	-	
			MSXS-08PFFT-EE0003 (with O-ring Notch)	-	

M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

APPM-AAAMA012-001 18 APPM-AAAMA012-002 18 APPM-AAAMA012-005 16.2 APPM-AAAMA012-001 13 APPM-AAFA012-002 12.9 APPM-AAFA012-004 7.45 APPM-AAFA012-014 15.3	Front Fastened, THR Male	-	-
	Front Fastened, SMD Male	-	-
	Front Fastened, THR Female	APPM-AAFA012-007/008 For MSXS-08PFFR-EE0001	-
	Front Fastened, SMD Female	APPM-AAFA012-001 For MSXS-08PFFT-EE0003	-
	Rear Fastened, THR Male	-	-
	Rear Fastened, SMD Male	-	-
	Rear Fastened, THR Female	APPM-AAFA012-009/010 For MSXS-08PFFR-EE0001 APPM-AAFA012-011 For MSXS-08PFFR-EE0002 APPM-AAFA012-013 For MSXS-08PFFP-EE0001	-
	Rear Fastened, SMD Female	APPM-AAFA012-002 For MSXS-08PFFT-EE0003 APPM-AAFA012-004 For MSXS-08PFFT-EE0001/0002	-

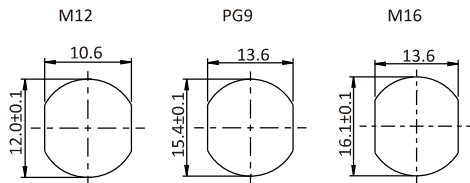
* Upon Request

10		12		17	
A		A		A	
30V		30V		30V	
1.5A		1.5A		1.5A	
MM	FF	MM	FF	MM	FF
MSAP-10PMMC-SH8B *					
MSAP-10PFFC-SH8B *		MSAP-12PMMC-SH8B *		MSAP-12PFFC-SH8B *	
MSAP-17PMMC-SH8B *		MSAP-17PFFC-SH8B *		MSAP-17PFFC-SH8B *	
M12A-10PMMC-SH8B *		M12A-10PFFC-SH8B *		M12A-12PMMC-SH8B *	
M12A-12PMMC-SH8B *		M12A-12PFFC-SH8B *		M12A-17PMMC-SH8B *	
M12A-17PMMC-SH8B *		M12A-17PFFC-SH8B *		M12A-17PFFC-SH8B *	
SM12A-10PMMC-SH8B *		SM12A-10PFFC-SH8B *		SM12A-12PMMC-SH8B *	
SM12A-12PMMC-SH8B *		SM12A-12PFFC-SH8B *		SM12A-17PMMC-SH8B *	
SM12A-17PMMC-SH8B *		SM12A-17PFFC-SH8B *		SM12A-17PFFC-SH8B *	
MSAP-10PMMC-SH8C *					
MSAP-10PFFC-SH8C *		MSAP-12PMMC-SH8C *		MSAP-12PFFC-SH8C *	
MSAP-17PMMC-SH8C *		MSAP-17PFFC-SH8C *		MSAP-17PFFC-SH8C *	
M12A-10PMMC-SH8C *		M12A-10PFFC-SH8C *		M12A-12PMMC-SH8C *	
M12A-12PMMC-SH8C *		M12A-12PFFC-SH8C *		M12A-17PMMC-SH8C *	
M12A-17PMMC-SH8C *		M12A-17PFFC-SH8C *		M12A-17PFFC-SH8C *	
SM12A-10PMMC-SH8C *		SM12A-10PFFC-SH8C *		SM12A-12PMMC-SH8C *	
SM12A-12PMMC-SH8C *		SM12A-12PFFC-SH8C *		SM12A-17PMMC-SH8C *	
SM12A-17PMMC-SH8C *		SM12A-17PFFC-SH8C *		SM12A-17PFFC-SH8C *	
MSAP-10PMMC-SS8E *					
MSAP-10PFFC-SS8E *		MSAP-12PMMC-SS8E *		MSAP-12PFFC-SS8E *	
MSAP-17PMMC-SS8E *		MSAP-17PFFC-SS8E *		MSAP-17PFFC-SS8E *	
MSAS-10PMMC-SS8E *		MSAS-10PFFC-SS8E *		MSAS-12PMMC-SS8E *	
MSAS-12PMMC-SS8E *		MSAS-12PFFC-SS8E *		MSAS-17PMMC-SS8E *	
MSAS-17PMMC-SS8E *		MSAS-17PFFC-SS8E *		MSAS-17PFFC-SS8E *	
SM12A-10PMMC-SS8E *		SM12A-10PFFC-SS8E *		SM12A-12PMMC-SS8E *	
SM12A-12PMMC-SS8E *		SM12A-12PFFC-SS8E *		SM12A-17PMMC-SS8E *	
SM12A-17PMMC-SS8E *		SM12A-17PFFC-SS8E *		SM12A-17PFFC-SS8E *	
SMSAS-10PMMC-SS8E *		SMSAS-10PFFC-SS8E *		SMSAS-12PMMC-SS8E *	
SMSAS-12PMMC-SS8E *		SMSAS-12PFFC-SS8E *		SMSAS-17PMMC-SS8E *	
SMSAS-17PMMC-SS8E *		SMSAS-17PFFC-SS8E *		SMSAS-17PFFC-SS8E *	
M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers					
M12A-10PMMP-EE0001*	M12A-10PFFP-EE0001*	M12A-12PMMP-EE0001	M12A-12PFFP-EE0001*	M12A-17PMMP-EE0001*	M12A-17PFFP-EE0001*
M12A-10PMMR-EE0001*	M12A-10PFFR-EE0001*	M12A-12PMMR-EE0001*	M12A-12PFFR-EE0001*	M12A-17PMMR-EE0001*	M12A-17PFFR-EE0001*
M12A-10PMMT-EE0001*	M12A-10PFFT-EE0001*	M12A-12PMMT-EE0001	M12A-12PFFT-EE0001*	M12A-17PMMT-EE0001*	M12A-17PFFT-EE0001*
M12A-10PMMT-EE0002*	M12A-10PFFT-EE0002*	M12A-12PMMT-EE0002*	M12A-12PFFT-EE0002*	M12A-17PMMT-EE0002*	M12A-17PFFT-EE0002*
MSAS-10PMMP-EE0001*	MSAS-10PFFP-EE0001*	MSAS-12PMMP-EE0001*	MSAS-12PFFP-EE0001*	MSAS-17PMMP-EE0001*	MSAS-17PFFP-EE0001*
MSAS-10PMMR-EE0001*	MSAS-10PFFR-EE0001*	MSAS-12PMMR-EE0001*	MSAS-12PFFR-EE0001*	MSAS-17PMMR-EE0001*	MSAS-17PFFR-EE0001*
MSAS-10PMMT-EE0001*	MSAS-10PFFT-EE0001*	MSAS-12PMMT-EE0001	MSAS-12PFFT-EE0001*	MSAS-17PMMT-EE0001*	MSAS-17PFFT-EE0001*
MSAS-10PMMT-EE0002*	MSAS-10PFFT-EE0002*	MSAS-12PMMT-EE0002*	MSAS-12PFFT-EE0002*	MSAS-17PMMT-EE0002*	MSAS-17PFFT-EE0002*
APPM-AAAMA012-006 (Straight) / APPM-AAAMA012-005 (Right Angle)					
APPM-AAAMA012-001					
APPM-AAFA012-014 (Straight) / APPM-AAFA012-005 (Right Angle)					
APPM-AAFA012-001					
-					
APPM-AAAMA012-002					
APPM-AAFA012-012 (Straight) / APPM-AAFA012-006 (Right Angle)					
APPM-AAFA012-002					

M12 A-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

Panel Cut-Out



Number of Contacts	18	
Coding	A	
Rated Voltage (AC/DC)	30V	
Nominal current	0.5A	
Pin Assignment	MM	FF
MM : Male Connector Male Contact FF : Female Connector Female Contact		

M12 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, REAR Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm~(A5) 1,500mm (Per 100mm).
Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

		PG9		
 (MM)	 (FF)	Plastic	MSAP-18PMMC-SH8B ⑩*	MSAP-18PFFC-SH8B ⑩*
		Metal Nut	M12A-18PMMC-SH8B ⑩*	M12A-18PFFC-SH8B ⑩*
		Stainless	SM12A-18PMMC-SH8B ⑩*	SM12A-18PFFC-SH8B ⑩*
		M16 x 1.5		
		Plastic	MSAP-18PMMC-SH8C ⑩*	MSAP-18PFFC-SH8C ⑩*
		Metal Nut	M12A-18PMMC-SH8C ⑩*	M12A-18PFFC-SH8C ⑩*
		Stainless	SM12A-18PMMC-SH8C ⑩*	SM12A-18PFFC-SH8C ⑩*

M12 Bulkhead / Receptacle With UL1061 PVC Wires, 26mm SQUARE Flange with 4 x M3 Mounting Holes Screws

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) (A0) 1,000mm~(A5) 1,500mm (Per 100mm).
Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

		Plastic		
 (Male)	 (Female)	MSAP-18PMMC-SS8E ⑩*	MSAP-18PFFC-SS8E ⑩*	
		Shielded	MSAS-18PMMC-SS8E ⑩*	MSAS-18PFFC-SS8E ⑩*
		Stainless	SM12A-18PMMC-SS8E ⑩*	SM12A-18PFFC-SS8E ⑩*
		Stainless Shielded	SMSAS-18PMMC-SS8E ⑩*	SMSAS-18PFFC-SS8E ⑩*











































M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

		Unshielded		
 Male (Shielded)	 Female (Shielded)	THR Straight	M12A-18PMMP-EE0001*	M12A-18PFFP-EE0001*
		THR Right Angle	M12A-18PMMR-EE0001*	M12A-18PFFR-EE0001*
		SMD Straight	M12A-18PMMT-EE0001*	M12A-18PFFT-EE0001*
		SMD Straight	M12A-18PMMT-EE0002*	M12A-18PFFT-EE0002*
		Shielded		
 (Non Shielded)	 (Non Shielded)	THR Straight	MSAS-18PMMP-EE0001*	MSAS-18PFFP-EE0001*
		THR Right Angle	MSAS-18PMMR-EE0001*	MSAS-18PFFR-EE0001*
		SMD Straight	MSAS-18PMMT-EE0001*	MSAS-18PFFT-EE0001*
		SMD Straight	MSAS-18PMMT-EE0002*	MSAS-18PFFT-EE0002*

M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

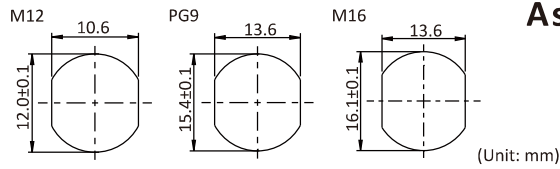
 APPM-AAAMA012-001	 APPM-AAAMA012-002	 APPM-AAAMA012-005	Front Fastened, THR Male	APPM-AAAMA012-006 (Straight) / APPM-AAAMA012-005 (Right Angle)
			Front Fastened, SMD Male	APPM-AAAMA012-001
			Front Fastened, THR Female	APPM-AAFA012-014 (Straight) / APPM-AAFA012-005 (Right Angle)
			Front Fastened, SMD Female	APPM-AAFA012-001
			Rear Fastened, THR Male	-
			Rear Fastened, SMD Male	APPM-AAAMA012-002
			Rear Fastened, THR Female	APPM-AAFA012-012 (Straight) / APPM-AAFA012-006 (Right Angle)
			Rear Fastened, SMD Female	APPM-AAFA012-002

* Upon Request

24		28	
A		A	
30V		30V	
0.5A		0.5A	
MM	FF	MM	FF
			
MSAP-24PMMC-SH8B 	MSAP-24PFFC-SH8B 	MSAP-28PMMC-SH8B 	MSAP-28PFFC-SH8B 
M12A-24PMMC-SH8B 	M12A-24PFFC-SH8B 	M12A-28PMMC-SH8B 	M12A-28PFFC-SH8B 
SM12A-24PMMC-SH8B 	SM12A-24PFFC-SH8B 	SM12A-28PMMC-SH8B 	SM12A-28PFFC-SH8B 
MSAP-24PMMC-SH8C 	MSAP-24PFFC-SH8C 	MSAP-28PMMC-SH8C 	MSAP-28PFFC-SH8C 
M12A-24PMMC-SH8C 	M12A-24PFFC-SH8C 	M12A-28PMMC-SH8C 	M12A-28PFFC-SH8C 
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MSAP-24PMMC-SS8E 	MSAP-24PFFC-SS8E 	MSAP-28PMMC-SS8E 	MSAP-28PFFC-SS8E 
MSAS-24PMMC-SS8E 	MSAS-24PFFC-SS8E 	MSAS-28PMMC-SS8E 	MSAS-28PFFC-SS8E 
SM12A-24PMMC-SS8E 	SM12A-24PFFC-SS8E 	SM12A-28PMMC-SS8E 	SM12A-28PFFC-SS8E 
SMSAS-24PMMC-SS8E 	SMSAS-24PFFC-SS8E 	SMSAS-28PMMC-SS8E 	SMSAS-28PFFC-SS8E 
M12A-24PMMP-EE0001*	M12A-24PFFP-EE0001*	M12A-28PMMP-EE0001*	M12A-28PFFP-EE0001*
M12A-24PMMR-EE0001*	M12A-24PFFR-EE0001*	M12A-28PMMR-EE0001*	M12A-28PFFR-EE0001*
M12A-24PMMT-EE0001*	M12A-24PFFT-EE0001*	M12A-28PMMT-EE0001*	M12A-28PFFT-EE0001*
M12A-24PMMT-EE0002*	M12A-24PFFT-EE0002*	M12A-28PMMT-EE0002*	M12A-28PFFT-EE0002*
MSAS-24PMMP-EE0001*	MSAS-24PFFP-EE0001*	MSAS-28PMMP-EE0001*	MSAS-28PFFP-EE0001*
MSAS-24PMMR-EE0001*	MSAS-24PFFR-EE0001*	MSAS-28PMMR-EE0001*	MSAS-28PFFR-EE0001*
MSAS-24PMMT-EE0001*	MSAS-24PFFT-EE0001*	MSAS-28PMMT-EE0001*	MSAS-28PFFT-EE0001*
MSAS-24PMMT-EE0002*	MSAS-24PFFT-EE0002*	MSAS-28PMMT-EE0002*	MSAS-28PFFT-EE0002*
APPM-AAAMA012-006 (Straight) / APPM-AAAMA012-005 (Right Angle)			
APPM-AAAMA012-001			
APPM-AAFA012-014 (Straight) / APPM-AAFA012-005 (Right Angle)			
APPM-AAFA012-001			
-			
APPM-AAAMA012-002			
APPM-AAFA012-012 (Straight) / APPM-AAFA012-006 (Right Angle)			
APPM-AAFA012-002			

M12 L-Code Bulkhead / Receptacle & Receptacle With Wires, Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	2
Coding	L
Rated Voltage (AC/DC)	63V
Nominal current	16A
Pin Assignment	MM FF
MM: Male Connector Male Contact FF: Female Connector Female Contact ME: Male Connector Male PWD + Female GND FD: Female Connector Female PWD + Male GND	

M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut

		PG9			
(K, L code, Metal/Shielded/Stainless) (MM) (FF) M15*1.0 M15 (M code, Metal/Shielded/Stainless) (MM) (FF) PG9 / M16*1.5 PG9 / M16*1.5	Plastic Solder Pins Straight PCB Right Angle PCB Metal Nut Solder Pins Straight PCB Right Angle PCB Shielded Solder Pins Straight PCB Right Angle PCB Stainless Solder Pins Straight PCB Right Angle PCB Stainless Shielded Solder Pins Straight PCB Right Angle PCB	Solder Pins	M12L-02P MMS -SF8001 *	M12L-02P FFS -SF8001 *	
		Straight PCB	M12L-02P MMP -SF8001 *	M12L-02P FFP -SF8001 *	
		Right Angle PCB	M12L-02P MMR -SF8001 *	M12L-02P FFR -SF8001 *	
		Solder Pins	M12L-02P MMS -SF8001 *	M12L-02P FFS -SF8001 *	
		Straight PCB	M12L-02P MMP -SF8001 *	M12L-02P FFP -SF8001 *	
		Right Angle PCB	M12L-02P MMR -SF8001 *	M12L-02P FFR -SF8001 *	
		Solder Pins	MSLS-02P MMS -SF8001 *	MSLS-02P FFS -SF8001 *	
		Straight PCB	MSLS-02P MMP -SF8001 *	MSLS-02P FFP -SF8001 *	
		Right Angle PCB	MSLS-02P MMR -SF8001 *	MSLS-02P FFR -SF8001 *	
		Solder Pins	SM12L-02P MMS -SF8001 *	SM12L-02P FFS -SF8001 *	
		Straight PCB	SM12L-02P MMP -SF8001 *	SM12L-02P FFP -SF8001 *	
		Right Angle PCB	SM12L-02P MMR -SF8001 *	SM12L-02P FFR -SF8001 *	
(T code, Metal/Shielded/Stainless) (MM) (FF) PG9 / M16*1.5 PG9 / M16*1.5	Plastic Solder Pins Straight PCB Right Angle PCB Metal Nut Solder Pins Straight PCB Right Angle PCB Shielded Solder Pins Straight PCB Right Angle PCB Stainless Solder Pins Straight PCB Right Angle PCB Stainless Shielded Solder Pins Straight PCB Right Angle PCB	Solder Pins	M12L-02P MMS -SF8002 *	M12L-02P FFS -SF8002 *	
		Straight PCB	M12L-02P MMP -SF8002 *	M12L-02P FFP -SF8002 *	
		Right Angle PCB	M12L-02P MMR -SF8002 *	M12L-02P FFR -SF8002 *	
		Solder Pins	M12L-02P MMS -SF8002 *	M12L-02P FFS -SF8002 *	
		Straight PCB	M12L-02P MMP -SF8002 *	M12L-02P FFP -SF8002 *	
		Right Angle PCB	M12L-02P MMR -SF8002 *	M12L-02P FFR -SF8002 *	
		Solder Pins	MSLS-02P MMS -SF8002 *	MSLS-02P FFS -SF8002 *	
		Straight PCB	MSLS-02P MMP -SF8002 *	MSLS-02P FFP -SF8002 *	
		Right Angle PCB	MSLS-02P MMR -SF8002 *	MSLS-02P FFR -SF8002 *	
		Solder Pins	SM12L-02P MMS -SF8002 *	SM12L-02P FFS -SF8002 *	
		Straight PCB	SM12L-02P MMP -SF8002 *	SM12L-02P FFP -SF8002 *	
		Right Angle PCB	SM12L-02P MMR -SF8002 *	SM12L-02P FFR -SF8002 *	
Solder Pins	SMSLS-02P MMS -SF8002 *	SMSLS-02P FFS -SF8002 *			
Straight PCB	SMSLS-02P MMP -SF8002 *	SMSLS-02P FFP -SF8002 *			
Right Angle PCB	SMSLS-02P MMR -SF8002 *	SMSLS-02P FFR -SF8002 *			

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, FRONT Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

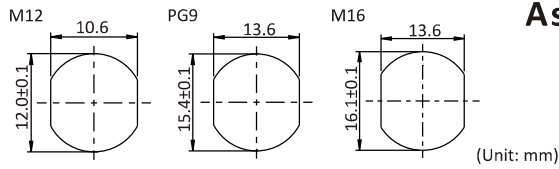
		PG9			
(K, L, M code, Metal/Shielded/Stainless) (MM) (FF) PG9 PG9 (T code, Metal/Shielded/Stainless) (MM) (FF) PG9 PG9	Plastic Metal Nut Shielded Stainless Stainless Shielded	Solder Pins	M12L-02P MMS -SF8B ⑩ *	M12L-02P FFS -SF8B ⑩ *	
		Straight PCB	M12L-02P MMP -SF8B ⑩ *	M12L-02P FFP -SF8B ⑩ *	
		Right Angle PCB	M12L-02P MMR -SF8B ⑩ *	M12L-02P FFR -SF8B ⑩ *	
		Solder Pins	MSLS-02P MMS -SF8B ⑩ *	MSLS-02P FFS -SF8B ⑩ *	
		Straight PCB	SM12L-02P MMS -SF8B ⑩ *	SM12L-02P FFS -SF8B ⑩ *	
		Right Angle PCB	SMSLS-02P MMS -SF8B ⑩ *	SMSLS-02P FFS -SF8B ⑩ *	

* Upon Request

2		3 (2+PE)		3 (2+PE)	
T		K		M	
63V		630V		630V	
12A		16A		8A	
MM	FF	Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground
MSTP-02PMM S -SF8001*	MSTP-02PFF S -SF8001*	MSKP-03P MES -SF8001*	MSKP-03P FDS -SF8001*	MSMP-03P MES -SF8001*	MSMP-03P FDS -SF8001*
MSTP-02PMM P -SF8001*	MSTP-02PFF P -SF8001*	MSKP-03P MEP -SF8001*	MSKP-03P FDP -SF8001*	MSMP-03P MEP -SF8001*	MSMP-03P FDP -SF8001*
MSTP-02PMM R -SF8001*	MSTP-02PFF R -SF8001*	MSKP-03P MER -SF8001*	MSKP-03P FDR -SF8001*	MSMP-03P MER -SF8001*	MSMP-03P FDR -SF8001*
M12T-02PMM S -SF8001*	M12T-02PFF S -SF8001*	M12K-03P MES -SF8001*	M12K-03P FDS -SF8001*	M12M-03P MES -SF8001*	M12M-03P FDS -SF8001*
M12T-02PMM P -SF8001*	M12T-02PFF P -SF8001*	M12K-03P MEP -SF8001*	M12K-03P FDP -SF8001*	M12M-03P MEP -SF8001*	M12M-03P FDP -SF8001*
M12T-02PMM R -SF8001*	M12T-02PFF R -SF8001*	M12K-03P MER -SF8001*	M12K-03P FDR -SF8001*	M12M-03P MER -SF8001*	M12M-03P FDR -SF8001*
MSTS-02PMM S -SF8001*	MSTS-02PFF S -SF8001*	MSKS-03P MES -SF8001*	MSKS-03P FDS -SF8001*	MSMS-03P MES -SF8001*	MSMS-03P FDS -SF8001*
MSTS-02PMM P -SF8001*	MSTS-02PFF P -SF8001*	MSKS-03P MEP -SF8001*	MSKS-03P FDP -SF8001*	MSMS-03P MEP -SF8001*	MSMS-03P FDP -SF8001*
MSTS-02PMM R -SF8001*	MSTS-02PFF R -SF8001*	MSKS-03P MER -SF8001*	MSKS-03P FDR -SF8001*	MSMS-03P MER -SF8001*	MSMS-03P FDR -SF8001*
SM12T-02PMM S -SF8001*	SM12T-02PFF S -SF8001*	SM12K-03P MES -SF8001*	SM12K-03P FDS -SF8001*	SM12M-03P MES -SF8001*	SM12M-03P FDS -SF8001*
SM12T-02PMM P -SF8001*	SM12T-02PFF P -SF8001*	SM12K-03P MEP -SF8001*	SM12K-03P FDP -SF8001*	SM12M-03P MEP -SF8001*	SM12M-03P FDP -SF8001*
SM12T-02PMM R -SF8001*	SM12T-02PFF R -SF8001*	SM12K-03P MER -SF8001*	SM12K-03P FDR -SF8001*	SM12M-03P MER -SF8001*	SM12M-03P FDR -SF8001*
SMSTS-02PMM S -SF8001*	SMSTS-02PFF S -SF8001*	SMSKS-03P MES -SF8001*	SMSKS-03P FDS -SF8001*	SMSMS-03P MES -SF8001*	SMSMS-03P FDS -SF8001*
SMSTS-02PMM P -SF8001*	SMSTS-02PFF P -SF8001*	SMSKS-03P MEP -SF8001*	SMSKS-03P FDP -SF8001*	SMSMS-03P MEP -SF8001*	SMSMS-03P FDP -SF8001*
SMSTS-02PMM R -SF8001*	SMSTS-02PFF R -SF8001*	SMSKS-03P MER -SF8001*	SMSKS-03P FDR -SF8001*	SMSMS-03P MER -SF8001*	SMSMS-03P FDR -SF8001*
MSTP-02PMM S -SF8002*	MSTP-02PFF S -SF8002*	MSKP-03P MES -SF8002*	MSKP-03P FDS -SF8002*	MSMP-03P MES -SF8002*	MSMP-03P FDS -SF8002*
MSTP-02PMM P -SF8002*	MSTP-02PFF P -SF8002*	MSKP-03P MEP -SF8002*	MSKP-03P FDP -SF8002*	MSMP-03P MEP -SF8002*	MSMP-03P FDP -SF8002*
MSTP-02PMM R -SF8002*	MSTP-02PFF R -SF8002*	MSKP-03P MER -SF8002*	MSKP-03P FDR -SF8002*	MSMP-03P MER -SF8002*	MSMP-03P FDR -SF8002*
M12T-02PMM S -SF8002*	M12T-02PFF S -SF8002*	M12K-03P MES -SF8002*	M12K-03P FDS -SF8002*	M12M-03P MES -SF8002*	M12M-03P FDS -SF8002*
M12T-02PMM P -SF8002*	M12T-02PFF P -SF8002*	M12K-03P MEP -SF8002*	M12K-03P FDP -SF8002*	M12M-03P MEP -SF8002*	M12M-03P FDP -SF8002*
M12T-02PMM R -SF8002*	M12T-02PFF R -SF8002*	M12K-03P MER -SF8002*	M12K-03P FDR -SF8002*	M12M-03P MER -SF8002*	M12M-03P FDR -SF8002*
MSTS-02PMM S -SF8002*	MSTS-02PFF S -SF8002*	MSKS-03P MES -SF8002*	MSKS-03P FDS -SF8002*	MSMS-03P MES -SF8002*	MSMS-03P FDS -SF8002*
MSTS-02PMM P -SF8002*	MSTS-02PFF P -SF8002*	MSKS-03P MEP -SF8002*	MSKS-03P FDP -SF8002*	MSMS-03P MEP -SF8002*	MSMS-03P FDP -SF8002*
MSTS-02PMM R -SF8002*	MSTS-02PFF R -SF8002*	MSKS-03P MER -SF8002*	MSKS-03P FDR -SF8002*	MSMS-03P MER -SF8002*	MSMS-03P FDR -SF8002*
SM12T-02PMM S -SF8002*	SM12T-02PFF S -SF8002*	SM12K-03P MES -SF8002*	SM12K-03P FDS -SF8002*	SM12M-03P MES -SF8002*	SM12M-03P FDS -SF8002*
SM12T-02PMM P -SF8002*	SM12T-02PFF P -SF8002*	SM12K-03P MEP -SF8002*	SM12K-03P FDP -SF8002*	SM12M-03P MEP -SF8002*	SM12M-03P FDP -SF8002*
SM12T-02PMM R -SF8002*	SM12T-02PFF R -SF8002*	SM12K-03P MER -SF8002*	SM12K-03P FDR -SF8002*	SM12M-03P MER -SF8002*	SM12M-03P FDR -SF8002*
SMSTS-02PMM S -SF8002*	SMSTS-02PFF S -SF8002*	SMSKS-03P MES -SF8002*	SMSKS-03P FDS -SF8002*	SMSMS-03P MES -SF8002*	SMSMS-03P FDS -SF8002*
SMSTS-02PMM P -SF8002*	SMSTS-02PFF P -SF8002*	SMSKS-03P MEP -SF8002*	SMSKS-03P FDP -SF8002*	SMSMS-03P MEP -SF8002*	SMSMS-03P FDP -SF8002*
SMSTS-02PMM R -SF8002*	SMSTS-02PFF R -SF8002*	SMSKS-03P MER -SF8002*	SMSKS-03P FDR -SF8002*	SMSMS-03P MER -SF8002*	SMSMS-03P FDR -SF8002*
MSTP-02PMM S -SF8B ¹⁰ *	MSTP-02PFF S -SF8B ¹⁰ *	MSKP-03P MES -SF8B ¹⁰ *	MSKP-03P FDS -SF8B ¹⁰ *	MSMP-03P MES -SF8B ¹⁰ *	MSMP-03P FDS -SF8B ¹⁰ *
M12T-02PMM S -SF8B ¹⁰ *	M12T-02PFF S -SF8B ¹⁰ *	M12K-03P MES -SF8B ¹⁰ *	M12K-03P FDS -SF8B ¹⁰ *	M12M-03P MES -SF8B ¹⁰ *	M12M-03P FDS -SF8B ¹⁰ *
MSTS-02PMM S -SF8B ¹⁰ *	MSTS-02PFF S -SF8B ¹⁰ *	MSKS-03P MES -SF8B ¹⁰ *	MSKS-03P FDS -SF8B ¹⁰ *	MSMS-03P MES -SF8B ¹⁰ *	MSMS-03P FDS -SF8B ¹⁰ *
SM12T-02PMM S -SF8B ¹⁰ *	SM12T-02PFF S -SF8B ¹⁰ *	SM12K-03P MES -SF8B ¹⁰ *	SM12K-03P FDS -SF8B ¹⁰ *	SM12M-03P MES -SF8B ¹⁰ *	SM12M-03P FDS -SF8B ¹⁰ *
SMSTS-02PMM S -SF8B ¹⁰ *	SMSTS-02PFF S -SF8B ¹⁰ *	SMSKS-03P MES -SF8B ¹⁰ *	SMSKS-03P FDS -SF8B ¹⁰ *	SMSMS-03P MES -SF8B ¹⁰ *	SMSMS-03P FDS -SF8B ¹⁰ *

M12 L-Code Bulkhead / Receptacle & Receptacle With Wires, Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	3 (2+FE)	
Coding	L	
Rated Voltage (AC/DC)	63V	
Nominal current	16A	
Pin Assignment	Male Power / Female Ground	Female Power / Male Ground
MM : Male Connector Male Contact FF : Female Connector Female Contact ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut




		PG9			
(L code, Metal/Shielded/Stainless) (MM) (FF) 	Plastic	Solder Pins	MSLP-03PMES-SF8001*	MSLP-03PFDS-SF8001*	
		Straight PCB	MSLP-03PMEP-SF8001*	MSLP-03PFDP-SF8001*	
		Right Angle PCB	MSLP-03PMER-SF8001*	MSLP-03PFDR-SF8001*	
	Metal Nut	Solder Pins	M12L-03PMES-SF8001*	M12L-03PFDS-SF8001*	
		Straight PCB	M12L-03PMEP-SF8001*	M12L-03PFDP-SF8001*	
		Right Angle PCB	M12L-03PMER-SF8001*	M12L-03PFDR-SF8001*	
	Shielded	Solder Pins	MSLS-03PMES-SF8001*	MSLS-03PFDS-SF8001*	
		Straight PCB	MSLS-03PMEP-SF8001*	MSLS-03PFDP-SF8001*	
		Right Angle PCB	MSLS-03PMER-SF8001*	MSLS-03PFDR-SF8001*	
	Stainless	Solder Pins	SM12L-03PMES-SF8001*	SM12L-03PFDS-SF8001*	
		Straight PCB	SM12L-03PMEP-SF8001*	SM12L-03PFDP-SF8001*	
		Right Angle PCB	SM12L-03PMER-SF8001*	SM12L-03PFDR-SF8001*	
Stainless Shielded	Solder Pins	SMSLS-03PMES-SF8001*	SMSLS-03PFDS-SF8001*		
	Straight PCB	SMSLS-03PMEP-SF8001*	SMSLS-03PFDP-SF8001*		
	Right Angle PCB	SMSLS-03PMER-SF8001*	SMSLS-03PFDR-SF8001*		
(S, T code, Metal/Shielded/Stainless) (MM) (FF) 	M16 x 1.5				
	Plastic	Solder Pins	MSLP-03PMES-SF8002*	MSLP-03PFDS-SF8002*	
		Straight PCB	MSLP-03PMEP-SF8002*	MSLP-03PFDP-SF8002*	
		Right Angle PCB	MSLP-03PMER-SF8002*	MSLP-03PFDR-SF8002*	
	Metal Nut	Solder Pins	M12L-03PMES-SF8002*	M12L-03PFDS-SF8002*	
		Straight PCB	M12L-03PMEP-SF8002*	M12L-03PFDP-SF8002*	
		Right Angle PCB	M12L-03PMER-SF8002*	M12L-03PFDR-SF8002*	
	Shielded	Solder Pins	MSLS-03PMES-SF8002*	MSLS-03PFDS-SF8002*	
		Straight PCB	MSLS-03PMEP-SF8002*	MSLS-03PFDP-SF8002*	
		Right Angle PCB	MSLS-03PMER-SF8002*	MSLS-03PFDR-SF8002*	
	Stainless	Solder Pins	SM12L-03PMES-SF8002*	SM12L-03PFDS-SF8002*	
		Straight PCB	SM12L-03PMEP-SF8002*	SM12L-03PFDP-SF8002*	
Right Angle PCB		SM12L-03PMER-SF8002*	SM12L-03PFDR-SF8002*		
Stainless Shielded	Solder Pins	SMSLS-03PMES-SF8002*	SMSLS-03PFDS-SF8002*		
	Straight PCB	SMSLS-03PMEP-SF8002*	SMSLS-03PFDP-SF8002*		
	Right Angle PCB	SMSLS-03PMER-SF8002*	SMSLS-03PFDR-SF8002*		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, FRONT Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

		PG9			
(L code Metal/Shielded/Stainless) (MM) (FF) 	Plastic	MSLP-03PMES-SF8B ⑩ *		MSLP-03PFDS-SF8B ⑩ *	
		Metal Nut	M12L-03PMES-SF8B ⑩ *		M12L-03PFDS-SF8B ⑩ *
			Shielded	MSLS-03PMES-SF8B ⑩ *	
Stainless	SM12L-03PMES-SF8B ⑩ *			SM12L-03PFDS-SF8B ⑩ *	
	Stainless Shielded	SMSLS-03PMES-SF8B ⑩ *		SMSLS-03PFDS-SF8B ⑩ *	

* Upon Request

3		3 (2+PE)		3	
L		S		T	
63V		630V		63V	
16A		12A		12A	
MM	FF	MM	FF	MM	FF
					

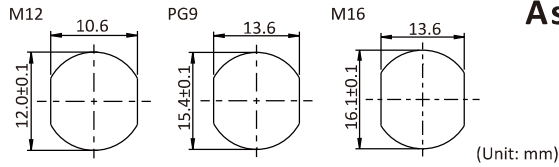
MSLP-03PMMMS-SF8001*	MSLP-03PFFS-SF8001*	MSSP-03PMMMS-SF8001*	MSSP-03PFFS-SF8001*	MSTP-03PMMMS-SF8001*	MSTP-03PFFS-SF8001*
MSLP-03PMMMP-SF8001*	MSLP-03PFFP-SF8001*	MSSP-03PMMMP-SF8001*	MSSP-03PFFP-SF8001*	MSTP-03PMMMP-SF8001*	MSTP-03PFFP-SF8001*
MSLP-03PMMMR-SF8001*	MSLP-03PFFR-SF8001*	MSSP-03PMMMR-SF8001*	MSSP-03PFFR-SF8001*	MSTP-03PMMMR-SF8001*	MSTP-03PFFR-SF8001*
M12L-03PMMMS-SF8001*	M12L-03PFFS-SF8001*	M12S-03PMMMS-SF8001*	M12S-03PFFS-SF8001*	M12T-03PMMMS-SF8001*	M12T-03PFFS-SF8001*
M12L-03PMMMP-SF8001*	M12L-03PFFP-SF8001*	M12S-03PMMMP-SF8001*	M12S-03PFFP-SF8001*	M12T-03PMMMP-SF8001*	M12T-03PFFP-SF8001*
M12L-03PMMMR-SF8001*	M12L-03PFFR-SF8001*	M12S-03PMMMR-SF8001*	M12S-03PFFR-SF8001*	M12T-03PMMMR-SF8001*	M12T-03PFFR-SF8001*
MSSL-03PMMMS-SF8001*	MSSL-03PFFS-SF8001*	MSSS-03PMMMS-SF8001*	MSSS-03PFFS-SF8001*	MSTS-03PMMMS-SF8001*	MSTS-03PFFS-SF8001*
MSSL-03PMMMP-SF8001*	MSSL-03PFFP-SF8001*	MSSS-03PMMMP-SF8001*	MSSS-03PFFP-SF8001*	MSTS-03PMMMP-SF8001*	MSTS-03PFFP-SF8001*
MSSL-03PMMMR-SF8001*	MSSL-03PFFR-SF8001*	MSSS-03PMMMR-SF8001*	MSSS-03PFFR-SF8001*	MSTS-03PMMMR-SF8001*	MSTS-03PFFR-SF8001*
SM12L-03PMMMS-SF8001*	SM12L-03PFFS-SF8001*	SM12S-03PMMMS-SF8001*	SM12S-03PFFS-SF8001*	SM12T-03PMMMS-SF8001*	SM12T-03PFFS-SF8001*
SM12L-03PMMMP-SF8001*	SM12L-03PFFP-SF8001*	SM12S-03PMMMP-SF8001*	SM12S-03PFFP-SF8001*	SM12T-03PMMMP-SF8001*	SM12T-03PFFP-SF8001*
SM12L-03PMMMR-SF8001*	SM12L-03PFFR-SF8001*	SM12S-03PMMMR-SF8001*	SM12S-03PFFR-SF8001*	SM12T-03PMMMR-SF8001*	SM12T-03PFFR-SF8001*
SMSLS-03PMMMS-SF8001*	SMSLS-03PFFS-SF8001*	SMSSS-03PMMMS-SF8001*	SMSSS-03PFFS-SF8001*	SMSTS-03PMMMS-SF8001*	SMSTS-03PFFS-SF8001*
SMSLS-03PMMMP-SF8001*	SMSLS-03PFFP-SF8001*	SMSSS-03PMMMP-SF8001*	SMSSS-03PFFP-SF8001*	SMSTS-03PMMMP-SF8001*	SMSTS-03PFFP-SF8001*
SMSLS-03PMMMR-SF8001*	SMSLS-03PFFR-SF8001*	SMSSS-03PMMMR-SF8001*	SMSSS-03PFFR-SF8001*	SMSTS-03PMMMR-SF8001*	SMSTS-03PFFR-SF8001*

MSLP-03PMMMS-SF8002*	MSLP-03PFFS-SF8002*	MSSP-03PMMMS-SF8002*	MSSP-03PFFS-SF8002*	MSTP-03PMMMS-SF8002*	MSTP-03PFFS-SF8002*
MSLP-03PMMMP-SF8002*	MSLP-03PFFP-SF8002*	MSSP-03PMMMP-SF8002*	MSSP-03PFFP-SF8002*	MSTP-03PMMMP-SF8002*	MSTP-03PFFP-SF8002*
MSLP-03PMMMR-SF8002*	MSLP-03PFFR-SF8002*	MSSP-03PMMMR-SF8002*	MSSP-03PFFR-SF8002*	MSTP-03PMMMR-SF8002*	MSTP-03PFFR-SF8002*
M12L-03PMMMS-SF8002*	M12L-03PFFS-SF8002*	M12S-03PMMMS-SF8002*	M12S-03PFFS-SF8002*	M12T-03PMMMS-SF8002*	M12T-03PFFS-SF8002*
M12L-03PMMMP-SF8002*	M12L-03PFFP-SF8002*	M12S-03PMMMP-SF8002*	M12S-03PFFP-SF8002*	M12T-03PMMMP-SF8002*	M12T-03PFFP-SF8002*
M12L-03PMMMR-SF8002*	M12L-03PFFR-SF8002*	M12S-03PMMMR-SF8002*	M12S-03PFFR-SF8002*	M12T-03PMMMR-SF8002*	M12T-03PFFR-SF8002*
MSSL-03PMMMS-SF8002*	MSSL-03PFFS-SF8002*	MSSS-03PMMMS-SF8002*	MSSS-03PFFS-SF8002*	MSTS-03PMMMS-SF8002*	MSTS-03PFFS-SF8002*
MSSL-03PMMMP-SF8002*	MSSL-03PFFP-SF8002*	MSSS-03PMMMP-SF8002*	MSSS-03PFFP-SF8002*	MSTS-03PMMMP-SF8002*	MSTS-03PFFP-SF8002*
MSSL-03PMMMR-SF8002*	MSSL-03PFFR-SF8002*	MSSS-03PMMMR-SF8002*	MSSS-03PFFR-SF8002*	MSTS-03PMMMR-SF8002*	MSTS-03PFFR-SF8002*
SM12L-03PMMMS-SF8002*	SM12L-03PFFS-SF8002*	SM12S-03PMMMS-SF8002*	SM12S-03PFFS-SF8002*	SM12T-03PMMMS-SF8002*	SM12T-03PFFS-SF8002*
SM12L-03PMMMP-SF8002*	SM12L-03PFFP-SF8002*	SM12S-03PMMMP-SF8002*	SM12S-03PFFP-SF8002*	SM12T-03PMMMP-SF8002*	SM12T-03PFFP-SF8002*
SM12L-03PMMMR-SF8002*	SM12L-03PFFR-SF8002*	SM12S-03PMMMR-SF8002*	SM12S-03PFFR-SF8002*	SM12T-03PMMMR-SF8002*	SM12T-03PFFR-SF8002*
SMSLS-03PMMMS-SF8002*	SMSLS-03PFFS-SF8002*	SMSSS-03PMMMS-SF8002*	SMSSS-03PFFS-SF8002*	SMSTS-03PMMMS-SF8002*	SMSTS-03PFFS-SF8002*
SMSLS-03PMMMP-SF8002*	SMSLS-03PFFP-SF8002*	SMSSS-03PMMMP-SF8002*	SMSSS-03PFFP-SF8002*	SMSTS-03PMMMP-SF8002*	SMSTS-03PFFP-SF8002*
SMSLS-03PMMMR-SF8002*	SMSLS-03PFFR-SF8002*	SMSSS-03PMMMR-SF8002*	SMSSS-03PFFR-SF8002*	SMSTS-03PMMMR-SF8002*	SMSTS-03PFFR-SF8002*

MSLP-03PMMMS-SF8B 10*	MSLP-03PFFS-SF8B 10*	MSSP-03PMMMS-SF8B 10*	MSSP-03PFFS-SF8B 10*	MSTP-03PMMMS-SF8B 10*	MSTP-03PFFS-SF8B 10*
M12L-03PMMMS-SF8B 10*	M12L-03PFFS-SF8B 10*	M12S-03PMMMS-SF8B 10*	M12S-03PFFS-SF8B 10*	M12T-03PMMMS-SF8B 10*	M12T-03PFFS-SF8B 10*
MSSL-03PMMMS-SF8B 10*	MSSL-03PFFS-SF8B 10*	MSSS-03PMMMS-SF8B 10*	MSSS-03PFFS-SF8B 10*	MSTS-03PMMMS-SF8B 10*	MSTS-03PFFS-SF8B 10*
SM12L-03PMMMS-SF8B 10*	SM12L-03PFFS-SF8B 10*	SM12S-03PMMMS-SF8B 10*	SM12S-03PFFS-SF8B 10*	SM12T-03PMMMS-SF8B 10*	SM12T-03PFFS-SF8B 10*
SMSLS-03PMMMS-SF8B 10*	SMSLS-03PFFS-SF8B 10*	SMSSS-03PMMMS-SF8B 10*	SMSSS-03PFFS-SF8B 10*	SMSTS-03PMMMS-SF8B 10*	SMSTS-03PFFS-SF8B 10*

M12 K-Code Bulkhead / Receptacle & Receptacle With Wires, Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	4 (3+PE)	
Coding	K	
Rated Voltage (AC/DC)	630V	
Nominal current	16A	
Pin Assignment	Male Power / Female Ground	Female Power / Male Ground
MM : Male Connector Male Contact FF : Female Connector Female Contact ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut




		PG9			
(K, L code, Metal/Shielded/Stainless) (MM) (FF) 	Plastic	Solder Pins	MSKP-04P MES -SF8001 *	MSKP-04P FDS -SF8001 *	
		Straight PCB	MSKP-04P MEP -SF8001 *	MSKP-04P FDP -SF8001 *	
		Right Angle PCB	MSKP-04P MER -SF8001 *	MSKP-04P FDR -SF8001 *	
	Metal Nut	Solder Pins	M12K-04P MES -SF8001 *	M12K-04P FDS -SF8001 *	
		Straight PCB	M12K-04P MEP -SF8001 *	M12K-04P FDP -SF8001 *	
		Right Angle PCB	M12K-04P MER -SF8001 *	M12K-04P FDR -SF8001 *	
	Shielded	Solder Pins	MSKS-04P MES -SF8001 *	MSKS-04P FDS -SF8001 *	
		Straight PCB	MSKS-04P MEP -SF8001 *	MSKS-04P FDP -SF8001 *	
		Right Angle PCB	MSKS-04P MER -SF8001 *	MSKS-04P FDR -SF8001 *	
	Stainless	Solder Pins	SM12K-04P MES -SF8001 *	SM12K-04P FDS -SF8001 *	
		Straight PCB	SM12K-04P MEP -SF8001 *	SM12K-04P FDP -SF8001 *	
		Right Angle PCB	SM12K-04P MER -SF8001 *	SM12K-04P FDR -SF8001 *	
Stainless Shielded	Solder Pins	SMSKS-04P MES -SF8001 *	SMSKS-04P FDS -SF8001 *		
	Straight PCB	SMSKS-04P MEP -SF8001 *	SMSKS-04P FDP -SF8001 *		
	Right Angle PCB	SMSKS-04P MER -SF8001 *	SMSKS-04P FDR -SF8001 *		
		M16 x 1.5			
(M code, Metal/Shielded/Stainless) (MM) (FF) 	Plastic	Solder Pins	MSKP-04P MES -SF8002 *	MSKP-04P FDS -SF8002 *	
		Straight PCB	MSKP-04P MEP -SF8002 *	MSKP-04P FDP -SF8002 *	
		Right Angle PCB	MSKP-04P MER -SF8002 *	MSKP-04P FDR -SF8002 *	
	Metal Nut	Solder Pins	M12K-04P MES -SF8002 *	M12K-04P FDS -SF8002 *	
		Straight PCB	M12K-04P MEP -SF8002 *	M12K-04P FDP -SF8002 *	
		Right Angle PCB	M12K-04P MER -SF8002 *	M12K-04P FDR -SF8002 *	
	Shielded	Solder Pins	MSKS-04P MES -SF8002 *	MSKS-04P FDS -SF8002 *	
		Straight PCB	MSKS-04P MEP -SF8002 *	MSKS-04P FDP -SF8002 *	
		Right Angle PCB	MSKS-04P MER -SF8002 *	MSKS-04P FDR -SF8002 *	
	Stainless	Solder Pins	SM12K-04P MES -SF8002 *	SM12K-04P FDS -SF8002 *	
		Straight PCB	SM12K-04P MEP -SF8002 *	SM12K-04P FDP -SF8002 *	
		Right Angle PCB	SM12K-04P MER -SF8002 *	SM12K-04P FDR -SF8002 *	
Stainless Shielded	Solder Pins	SMSKS-04P MES -SF8002 *	SMSKS-04P FDS -SF8002 *		
	Straight PCB	SMSKS-04P MEP -SF8002 *	SMSKS-04P FDP -SF8002 *		
	Right Angle PCB	SMSKS-04P MER -SF8002 *	SMSKS-04P FDR -SF8002 *		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, FRONT Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm































		PG9			
(K, L, M code, Metal/Shielded/Stainless) (MM) (FF) 	Plastic	MSKP-04P MES -SF8B ⑩ *	MSKP-04P FDS -SF8B ⑩ *		
	Metal Nut	M12K-04P MES -SF8B ⑩ *	M12K-04P FDS -SF8B ⑩ *		
	Shielded	MSKS-04P MES -SF8B ⑩ *	MSKS-04P FDS -SF8B ⑩ *		
	Stainless	SM12K-04P MES -SF8B ⑩ *	SM12K-04P FDS -SF8B ⑩ *		
	Stainless Shielded	SMSKS-04P MES -SF8B ⑩ *	SMSKS-04P FDS -SF8B ⑩ *		

* Upon Request

4 (3+PE)		4 (3+FE)		4	
M		L		L	
630V		63V		63V	
8A		12A		16A	
Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground	MM	FF
					

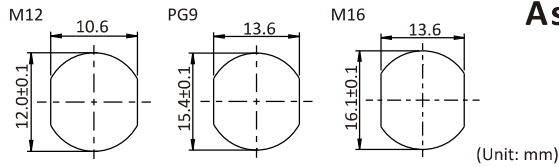
MSMP-04PMES-SF8001 *	MSMP-04PFDS-SF8001 *	MSLP-04PMES-SF8001 *	MSLP-04PFDS-SF8001 *	MSLP-04PMMMS-SF8001 *	MSLP-04PFFS-SF8001 *
MSMP-04PMEP-SF8001 *	MSMP-04PFDP-SF8001 *	MSLP-04PMEP-SF8001 *	MSLP-04PFDP-SF8001 *	MSLP-04PMMMP-SF8001 *	MSLP-04PFFP-SF8001 *
MSMP-04PMER-SF8001 *	MSMP-04PFDR-SF8001 *	MSLP-04PMER-SF8001 *	MSLP-04PFDR-SF8001 *	MSLP-04PMMR-SF8001 *	MSLP-04PFFR-SF8001 *
M12M-04PMES-SF8001 *	M12M-04PFDS-SF8001 *	M12L-04PMES-SF8001 *	M12L-04PFDS-SF8001 *	M12L-04PMMMS-SF8001 *	M12L-04PFFS-SF8001 *
M12M-04PMEP-SF8001 *	M12M-04PFDP-SF8001 *	M12L-04PMEP-SF8001 *	M12L-04PFDP-SF8001 *	M12L-04PMMMP-SF8001 *	M12L-04PFFP-SF8001 *
M12M-04PMER-SF8001 *	M12M-04PFDR-SF8001 *	M12L-04PMER-SF8001 *	M12L-04PFDR-SF8001 *	M12L-04PMMR-SF8001 *	M12L-04PFFR-SF8001 *
MSMS-04PMES-SF8001 *	MSMS-04PFDS-SF8001 *	MSLS-04PMES-SF8001 *	MSLS-04PFDS-SF8001 *	MSLS-04PMMMS-SF8001 *	MSLS-04PFFS-SF8001 *
MSMS-04PMEP-SF8001 *	MSMS-04PFDP-SF8001 *	MSLS-04PMEP-SF8001 *	MSLS-04PFDP-SF8001 *	MSLS-04PMMMP-SF8001 *	MSLS-04PFFP-SF8001 *
MSMS-04PMER-SF8001 *	MSMS-04PFDR-SF8001 *	MSLS-04PMER-SF8001 *	MSLS-04PFDR-SF8001 *	MSLS-04PMMR-SF8001 *	MSLS-04PFFR-SF8001 *
SM12M-04PMES-SF8001 *	SM12M-04PFDS-SF8001 *	SM12L-04PMES-SF8001 *	SM12L-04PFDS-SF8001 *	SM12L-04PMMMS-SF8001 *	SM12L-04PFFS-SF8001 *
SM12M-04PMEP-SF8001 *	SM12M-04PFDP-SF8001 *	SM12L-04PMEP-SF8001 *	SM12L-04PFDP-SF8001 *	SM12L-04PMMMP-SF8001 *	SM12L-04PFFP-SF8001 *
SM12M-04PMER-SF8001 *	SM12M-04PFDR-SF8001 *	SM12L-04PMER-SF8001 *	SM12L-04PFDR-SF8001 *	SM12L-04PMMR-SF8001 *	SM12L-04PFFR-SF8001 *
SMSMS-04PMES-SF8001 *	SMSMS-04PFDS-SF8001 *	SMSLS-04PMES-SF8001 *	SMSLS-04PFDS-SF8001 *	SMSLS-04PMMMS-SF8001 *	SMSLS-04PFFS-SF8001 *
SMSMS-04PMEP-SF8001 *	SMSMS-04PFDP-SF8001 *	SMSLS-04PMEP-SF8001 *	SMSLS-04PFDP-SF8001 *	SMSLS-04PMMMP-SF8001 *	SMSLS-04PFFP-SF8001 *
SMSMS-04PMER-SF8001 *	SMSMS-04PFDR-SF8001 *	SMSLS-04PMER-SF8001 *	SMSLS-04PFDR-SF8001 *	SMSLS-04PMMR-SF8001 *	SMSLS-04PFFR-SF8001 *

MSMP-04PMES-SF8002 *	MSMP-04PFDS-SF8002 *	MSLP-04PMES-SF8002 *	MSLP-04PFDS-SF8002 *	MSLP-04PMMMS-SF8002 *	MSLP-04PFFS-SF8002 *
MSMP-04PMEP-SF8002 *	MSMP-04PFDP-SF8002 *	MSLP-04PMEP-SF8002 *	MSLP-04PFDP-SF8002 *	MSLP-04PMMMP-SF8002 *	MSLP-04PFFP-SF8002 *
MSMP-04PMER-SF8002 *	MSMP-04PFDR-SF8002 *	MSLP-04PMER-SF8002 *	MSLP-04PFDR-SF8002 *	MSLP-04PMMR-SF8002 *	MSLP-04PFFR-SF8002 *
M12M-04PMES-SF8002 *	M12M-04PFDS-SF8002 *	M12L-04PMES-SF8002 *	M12L-04PFDS-SF8002 *	M12L-04PMMMS-SF8002 *	M12L-04PFFS-SF8002 *
M12M-04PMEP-SF8002 *	M12M-04PFDP-SF8002 *	M12L-04PMEP-SF8002 *	M12L-04PFDP-SF8002 *	M12L-04PMMMP-SF8002 *	M12L-04PFFP-SF8002 *
M12M-04PMER-SF8002 *	M12M-04PFDR-SF8002 *	M12L-04PMER-SF8002 *	M12L-04PFDR-SF8002 *	M12L-04PMMR-SF8002 *	M12L-04PFFR-SF8002 *
MSMS-04PMES-SF8002 *	MSMS-04PFDS-SF8002 *	MSLS-04PMES-SF8002 *	MSLS-04PFDS-SF8002 *	MSLS-04PMMMS-SF8002 *	MSLS-04PFFS-SF8002 *
MSMS-04PMEP-SF8002 *	MSMS-04PFDP-SF8002 *	MSLS-04PMEP-SF8002 *	MSLS-04PFDP-SF8002 *	MSLS-04PMMMP-SF8002 *	MSLS-04PFFP-SF8002 *
MSMS-04PMER-SF8002 *	MSMS-04PFDR-SF8002 *	MSLS-04PMER-SF8002 *	MSLS-04PFDR-SF8002 *	MSLS-04PMMR-SF8002 *	MSLS-04PFFR-SF8002 *
SM12M-04PMES-SF8002 *	SM12M-04PFDS-SF8002 *	SM12L-04PMES-SF8002 *	SM12L-04PFDS-SF8002 *	SM12L-04PMMMS-SF8002 *	SM12L-04PFFS-SF8002 *
SM12M-04PMEP-SF8002 *	SM12M-04PFDP-SF8002 *	SM12L-04PMEP-SF8002 *	SM12L-04PFDP-SF8002 *	SM12L-04PMMMP-SF8002 *	SM12L-04PFFP-SF8002 *
SM12M-04PMER-SF8002 *	SM12M-04PFDR-SF8002 *	SM12L-04PMER-SF8002 *	SM12L-04PFDR-SF8002 *	SM12L-04PMMR-SF8002 *	SM12L-04PFFR-SF8002 *
SMSMS-04PMES-SF8002 *	SMSMS-04PFDS-SF8002 *	SMSLS-04PMES-SF8002 *	SMSLS-04PFDS-SF8002 *	SMSLS-04PMMMS-SF8002 *	SMSLS-04PFFS-SF8002 *
SMSMS-04PMEP-SF8002 *	SMSMS-04PFDP-SF8002 *	SMSLS-04PMEP-SF8002 *	SMSLS-04PFDP-SF8002 *	SMSLS-04PMMMP-SF8002 *	SMSLS-04PFFP-SF8002 *
SMSMS-04PMER-SF8002 *	SMSMS-04PFDR-SF8002 *	SMSLS-04PMER-SF8002 *	SMSLS-04PFDR-SF8002 *	SMSLS-04PMMR-SF8002 *	SMSLS-04PFFR-SF8002 *

MSMP-04PMES-SF8B  *	MSMP-04PFDS-SF8B  *	MSLP-04PMES-SF8B  *	MSLP-04PFDS-SF8B  *	MSLP-04PMMMS-SF8B  *	MSLP-04PFFS-SF8B  *
M12M-04PMES-SF8B  *	M12M-04PFDS-SF8B  *	M12L-04PMES-SF8B  *	M12L-04PFDS-SF8B  *	M12L-04PMMMS-SF8B  *	M12L-04PFFS-SF8B  *
MSMS-04PMES-SF8B  *	MSMS-04PFDS-SF8B  *	MSLS-04PMES-SF8B  *	MSLS-04PFDS-SF8B  *	MSLS-04PMMMS-SF8B  *	MSLS-04PFFS-SF8B  *
SM12M-04PMES-SF8B  *	SM12M-04PFDS-SF8B  *	SM12L-04PMES-SF8B  *	SM12L-04PFDS-SF8B  *	SM12L-04PMMMS-SF8B  *	SM12L-04PFFS-SF8B  *
SMSMS-04PMES-SF8B  *	SMSMS-04PFDS-SF8B  *	SMSLS-04PMES-SF8B  *	SMSLS-04PFDS-SF8B  *	SMSLS-04PMMMS-SF8B  *	SMSLS-04PFFS-SF8B  *

M12 S-Code Bulkhead / Receptacle & Receptacle With Wires, Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	4 (3+PE)
Coding	S
Rated Voltage (AC/DC)	630V
Nominal current	12A
Pin Assignment	MM FF
MM : Male Connector Male Contact FF : Female Connector Female Contact ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND	

M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut




		PG9			
(K code, Metal/Shielded/Stainless) (MM) (FF) 	Plastic	Solder Pins	MSSP-04PMMS-SF8001*	MSSP-04PFFS-SF8001*	
		Straight PCB	MSSP-04PMMP-SF8001*	MSSP-04PFFP-SF8001*	
		Right Angle PCB	MSSP-04PMMR-SF8001*	MSSP-04PFFR-SF8001*	
	Metal Nut	Solder Pins	M12S-04PMMS-SF8001*	M12S-04PFFS-SF8001*	
		Straight PCB	M12S-04PMMP-SF8001*	M12S-04PFFP-SF8001*	
		Right Angle PCB	M12S-04PMMR-SF8001*	M12S-04PFFR-SF8001*	
	Shielded	Solder Pins	MSSS-04PMMS-SF8001*	MSSS-04PFFS-SF8001*	
		Straight PCB	MSSS-04PMMP-SF8001*	MSSS-04PFFP-SF8001*	
		Right Angle PCB	MSSS-04PMMR-SF8001*	MSSS-04PFFR-SF8001*	
	Stainless	Solder Pins	SM12S-04PMMS-SF8001*	SM12S-04PFFS-SF8001*	
		Straight PCB	SM12S-04PMMP-SF8001*	SM12S-04PFFP-SF8001*	
		Right Angle PCB	SM12S-04PMMR-SF8001*	SM12S-04PFFR-SF8001*	
Stainless Shielded	Solder Pins	SMSSS-04PMMS-SF8001*	SMSSS-04PFFS-SF8001*		
	Straight PCB	SMSSS-04PMMP-SF8001*	SMSSS-04PFFP-SF8001*		
	Right Angle PCB	SMSSS-04PMMR-SF8001*	SMSSS-04PFFR-SF8001*		
(M code, Metal/Shielded/Stainless) (MM) (FF) 		M12 x 1.5			
		Plastic	Solder Pins	MSSP-04PMMS-SF8002*	MSSP-04PFFS-SF8002*
			Straight PCB	MSSP-04PMMP-SF8002*	MSSP-04PFFP-SF8002*
			Right Angle PCB	MSSP-04PMMR-SF8002*	MSSP-04PFFR-SF8002*
		Metal Nut	Solder Pins	M12S-04PMMS-SF8002*	M12S-04PFFS-SF8002*
			Straight PCB	M12S-04PMMP-SF8002*	M12S-04PFFP-SF8002*
			Right Angle PCB	M12S-04PMMR-SF8002*	M12S-04PFFR-SF8002*
		Shielded	Solder Pins	MSSS-04PMMS-SF8002*	MSSS-04PFFS-SF8002*
			Straight PCB	MSSS-04PMMP-SF8002*	MSSS-04PFFP-SF8002*
			Right Angle PCB	MSSS-04PMMR-SF8002*	MSSS-04PFFR-SF8002*
		Stainless	Solder Pins	SM12S-04PMMS-SF8002*	SM12S-04PFFS-SF8002*
			Straight PCB	SM12S-04PMMP-SF8002*	SM12S-04PFFP-SF8002*
Right Angle PCB	SM12S-04PMMR-SF8002*		SM12S-04PFFR-SF8002*		
Stainless Shielded	Solder Pins	SMSSS-04PMMS-SF8002*	SMSSS-04PFFS-SF8002*		
	Straight PCB	SMSSS-04PMMP-SF8002*	SMSSS-04PFFP-SF8002*		
	Right Angle PCB	SMSSS-04PMMR-SF8002*	SMSSS-04PFFR-SF8002*		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, FRONT Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

		PG9			
(K, M code, Metal/Shielded/Stainless) (MM) (FF) 		Plastic	MSSP-04PMMS-SF8B⑩*	MSSP-04PFFS-SF8B⑩*	
			Metal Nut	M12S-04PMMS-SF8B⑩	M12S-04PFFS-SF8B⑩
				Shielded	MSSS-04PMMS-SF8B⑩*
		Stainless			SM12S-04PMMS-SF8B⑩*
			Stainless Shielded		SMSSS-04PMMS-SF8B⑩*

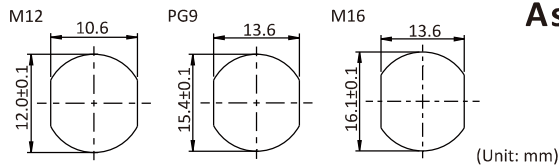
* Upon Request

4		5 (4+PE)		5 (4+PE)	
T		K		M	
63V		630V		630V	
12A		16A		8A	
MM	FF	Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground
					
MSTP-04P MMS -SF8001*	MSTP-04P FFS -SF8001*	MSKP-05P MES -SF8001*	MSKP-05P FDS -SF8001*	MSMP-05P MES -SF8001*	MSMP-05P FDS -SF8001*
MSTP-04P MP -SF8001*	MSTP-04P FFP -SF8001*	MSKP-05P MEP -SF8001*	MSKP-05P FDP -SF8001*	MSMP-05P MEP -SF8001*	MSMP-05P FDP -SF8001*
MSTP-04P MR -SF8001*	MSTP-04P FFR -SF8001*	MSKP-05P MER -SF8001*	MSKP-05P FDR -SF8001*	MSMP-05P MER -SF8001*	MSMP-05P FDR -SF8001*
M12T-04P MMS -SF8001*	M12T-04P FFS -SF8001*	M12K-05P MES -SF8001*	M12K-05P FDS -SF8001*	M12M-05P MES -SF8001*	M12M-05P FDS -SF8001*
M12T-04P MP -SF8001*	M12T-04P FFP -SF8001*	M12K-05P MEP -SF8001*	M12K-05P FDP -SF8001*	M12M-05P MEP -SF8001*	M12M-05P FDP -SF8001*
M12T-04P MR -SF8001*	M12T-04P FFR -SF8001*	M12K-05P MER -SF8001*	M12K-05P FDR -SF8001*	M12M-05P MER -SF8001*	M12M-05P FDR -SF8001*
MSTS-04P MMS -SF8001*	MSTS-04P FFS -SF8001*	MSKS-05P MES -SF8001*	MSKS-05P FDS -SF8001*	MSMS-05P MES -SF8001*	MSMS-05P FDS -SF8001*
MSTS-04P MP -SF8001*	MSTS-04P FFP -SF8001*	MSKS-05P MEP -SF8001*	MSKS-05P FDP -SF8001*	MSMS-05P MEP -SF8001*	MSMS-05P FDP -SF8001*
MSTS-04P MR -SF8001*	MSTS-04P FFR -SF8001*	MSKS-05P MER -SF8001*	MSKS-05P FDR -SF8001*	MSMS-05P MER -SF8001*	MSMS-05P FDR -SF8001*
SM12T-04P MMS -SF8001*	SM12T-04P FFS -SF8001*	SM12K-05P MES -SF8001*	SM12K-05P FDS -SF8001*	SM12M-05P MES -SF8001*	SM12M-05P FDS -SF8001*
SM12T-04P MP -SF8001*	SM12T-04P FFP -SF8001*	SM12K-05P MEP -SF8001*	SM12K-05P FDP -SF8001*	SM12M-05P MEP -SF8001*	SM12M-05P FDP -SF8001*
SM12T-04P MR -SF8001*	SM12T-04P FFR -SF8001*	SM12K-05P MER -SF8001*	SM12K-05P FDR -SF8001*	SM12M-05P MER -SF8001*	SM12M-05P FDR -SF8001*
SMSTS-04P MMS -SF8001*	SMSTS-04P FFS -SF8001*	SMSKS-05P MES -SF8001*	SMSKS-05P FDS -SF8001*	SMSMS-05P MES -SF8001*	SMSMS-05P FDS -SF8001*
SMSTS-04P MP -SF8001*	SMSTS-04P FFP -SF8001*	SMSKS-05P MEP -SF8001*	SMSKS-05P FDP -SF8001*	SMSMS-05P MEP -SF8001*	SMSMS-05P FDP -SF8001*
SMSTS-04P MR -SF8001*	SMSTS-04P FFR -SF8001*	SMSKS-05P MER -SF8001*	SMSKS-05P FDR -SF8001*	SMSMS-05P MER -SF8001*	SMSMS-05P FDR -SF8001*
MSTP-04P MMS -SF8002*	MSTP-04P FFS -SF8002*	MSKP-05P MES -SF8002*	MSKP-05P FDS -SF8002*	MSMP-05P MES -SF8002*	MSMP-05P FDS -SF8002*
MSTP-04P MP -SF8002*	MSTP-04P FFP -SF8002*	MSKP-05P MEP -SF8002*	MSKP-05P FDP -SF8002*	MSMP-05P MEP -SF8002*	MSMP-05P FDP -SF8002*
MSTP-04P MR -SF8002*	MSTP-04P FFR -SF8002*	MSKP-05P MER -SF8002*	MSKP-05P FDR -SF8002*	MSMP-05P MER -SF8002*	MSMP-05P FDR -SF8002*
M12T-04P MMS -SF8002*	M12T-04P FFS -SF8002*	M12K-05P MES -SF8002*	M12K-05P FDS -SF8002*	M12M-05P MES -SF8002*	M12M-05P FDS -SF8002*
M12T-04P MP -SF8002*	M12T-04P FFP -SF8002*	M12K-05P MEP -SF8002*	M12K-05P FDP -SF8002*	M12M-05P MEP -SF8002*	M12M-05P FDP -SF8002*
M12T-04P MR -SF8002*	M12T-04P FFR -SF8002*	M12K-05P MER -SF8002*	M12K-05P FDR -SF8002*	M12M-05P MER -SF8002*	M12M-05P FDR -SF8002*
MSTS-04P MMS -SF8002*	MSTS-04P FFS -SF8002*	MSKS-05P MES -SF8002*	MSKS-05P FDS -SF8002*	MSMS-05P MES -SF8002*	MSMS-05P FDS -SF8002*
MSTS-04P MP -SF8002*	MSTS-04P FFP -SF8002*	MSKS-05P MEP -SF8002*	MSKS-05P FDP -SF8002*	MSMS-05P MEP -SF8002*	MSMS-05P FDP -SF8002*
MSTS-04P MR -SF8002*	MSTS-04P FFR -SF8002*	MSKS-05P MER -SF8002*	MSKS-05P FDR -SF8002*	MSMS-05P MER -SF8002*	MSMS-05P FDR -SF8002*
SM12T-04P MMS -SF8002*	SM12T-04P FFS -SF8002*	SM12K-05P MES -SF8002*	SM12K-05P FDS -SF8002*	SM12M-05P MES -SF8002*	SM12M-05P FDS -SF8002*
SM12T-04P MP -SF8002*	SM12T-04P FFP -SF8002*	SM12K-05P MEP -SF8002*	SM12K-05P FDP -SF8002*	SM12M-05P MEP -SF8002*	SM12M-05P FDP -SF8002*
SM12T-04P MR -SF8002*	SM12T-04P FFR -SF8002*	SM12K-05P MER -SF8002*	SM12K-05P FDR -SF8002*	SM12M-05P MER -SF8002*	SM12M-05P FDR -SF8002*
SMSTS-04P MMS -SF8002*	SMSTS-04P FFS -SF8002*	SMSKS-05P MES -SF8002*	SMSKS-05P FDS -SF8002*	SMSMS-05P MES -SF8002*	SMSMS-05P FDS -SF8002*
SMSTS-04P MP -SF8002*	SMSTS-04P FFP -SF8002*	SMSKS-05P MEP -SF8002*	SMSKS-05P FDP -SF8002*	SMSMS-05P MEP -SF8002*	SMSMS-05P FDP -SF8002*
SMSTS-04P MR -SF8002*	SMSTS-04P FFR -SF8002*	SMSKS-05P MER -SF8002*	SMSKS-05P FDR -SF8002*	SMSMS-05P MER -SF8002*	SMSMS-05P FDR -SF8002*
MSTP-04P MMS -SF8B 10*	MSTP-04P FFS -SF8B 10*	MSKP-05P MES -SF8B 10*	MSKP-05P FDS -SF8B 10*	MSMP-05P MES -SF8B 10*	MSMP-05P FDS -SF8B 10*
M12T-04P MMS -SF8B 10	M12T-04P FFS -SF8B 10	M12K-05P MES -SF8B 10*	M12K-05P FDS -SF8B 10*	M12M-05P MES -SF8B 10*	M12M-05P FDS -SF8B 10*
MSTS-04P MMS -SF8B 10*	MSTS-04P FFS -SF8B 10*	MSKS-05P MES -SF8B 10*	MSKS-05P FDS -SF8B 10*	MSMS-05P MES -SF8B 10*	MSMS-05P FDS -SF8B 10*
SM12T-04P MMS -SF8B 10*	SM12T-04P FFS -SF8B 10*	SM12K-05P MES -SF8B 10*	SM12K-05P FDS -SF8B 10*	SM12M-05P MES -SF8B 10*	SM12M-05P FDS -SF8B 10*
SMSTS-04P MMS -SF8B 10*	SMSTS-04P FFS -SF8B 10*	SMSKS-05P MES -SF8B 10*	SMSKS-05P FDS -SF8B 10*	SMSMS-05P MES -SF8B 10*	SMSMS-05P FDS -SF8B 10*

M12 L & M-code

Bulkhead / Receptacle & Receptacle With Wires, Hexagonal Flange, Front Fastened

Panel Cut-Out



Assemble Style



Number of Contacts	5 (4+FE)	
Coding	L	
Rated Voltage (AC/DC)	63V	
Nominal current	16A	
Pin Assignment	Male Power / Female Ground	Female Power / Male Ground
ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut


		PG9			
(L code, Metal/Shielded/Stainless) (MM) (FF) 	Plastic	Solder Pins	MSLP-05PMES-SF8001*	MSLP-05PFDS-SF8001*	
		Straight PCB	MSLP-05PMEP-SF8001*	MSLP-05PFDP-SF8001*	
		Right Angle PCB	MSLP-05PMER-SF8001*	MSLP-05PFDR-SF8001*	
	Metal Nut	Solder Pins	M12L-05PMES-SF8001*	M12L-05PFDS-SF8001*	
		Straight PCB	M12L-05PMEP-SF8001*	M12L-05PFDP-SF8001*	
		Right Angle PCB	M12L-05PMER-SF8001*	M12L-05PFDR-SF8001*	
	Shielded	Solder Pins	MSLS-05PMES-SF8001*	MSLS-05PFDS-SF8001*	
		Straight PCB	MSLS-05PMEP-SF8001*	MSLS-05PFDP-SF8001*	
		Right Angle PCB	MSLS-05PMER-SF8001*	MSLS-05PFDR-SF8001*	
	Stainless	Solder Pins	SM12L-05PMES-SF8001*	SM12L-05PFDS-SF8001*	
		Straight PCB	SM12L-05PMEP-SF8001*	SM12L-05PFDP-SF8001*	
		Right Angle PCB	SM12L-05PMER-SF8001*	SM12L-05PFDR-SF8001*	
Stainless Shielded	Solder Pins	SMSLS-05PMES-SF8001*	SMSLS-05PFDS-SF8001*		
	Straight PCB	SMSLS-05PMEP-SF8001*	SMSLS-05PFDP-SF8001*		
	Right Angle PCB	SMSLS-05PMER-SF8001*	SMSLS-05PFDR-SF8001*		
		M16 x 1.5			
(M code, Metal/Shielded/Stainless) (MM) (FF) 	Plastic	Solder Pins	MSLP-05PMES-SF8002*	MSLP-05PFDS-SF8002*	
		Straight PCB	MSLP-05PMEP-SF8002*	MSLP-05PFDP-SF8002*	
		Right Angle PCB	MSLP-05PMER-SF8002*	MSLP-05PFDR-SF8002*	
	Metal Nut	Solder Pins	M12L-05PMES-SF8002*	M12L-05PFDS-SF8002*	
		Straight PCB	M12L-05PMEP-SF8002*	M12L-05PFDP-SF8002*	
		Right Angle PCB	M12L-05PMER-SF8002*	M12L-05PFDR-SF8002*	
	Shielded	Solder Pins	MSLS-05PMES-SF8002*	MSLS-05PFDS-SF8002*	
		Straight PCB	MSLS-05PMEP-SF8002*	MSLS-05PFDP-SF8002*	
		Right Angle PCB	MSLS-05PMER-SF8002*	MSLS-05PFDR-SF8002*	
	Stainless	Solder Pins	SM12L-05PMES-SF8002*	SM12L-05PFDS-SF8002*	
		Straight PCB	SM12L-05PMEP-SF8002*	SM12L-05PFDP-SF8002*	
		Right Angle PCB	SM12L-05PMER-SF8002*	SM12L-05PFDR-SF8002*	
Stainless Shielded	Solder Pins	SMSLS-05PMES-SF8002*	SMSLS-05PFDS-SF8002*		
	Straight PCB	SMSLS-05PMEP-SF8002*	SMSLS-05PFDP-SF8002*		
	Right Angle PCB	SMSLS-05PMER-SF8002*	SMSLS-05PFDR-SF8002*		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, FRONT Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

		PG9			
(L, M code, Metal/Shielded/Stainless) (MM) (FF) 	Plastic	MSLP-05PMES-SF8B⑩*	MSLP-05PFDS-SF8B⑩*		
	Metal Nut	M12L-05PMES-SF8B⑩*	M12L-05PFDS-SF8B⑩*		
	Shielded	MSLS-05PMES-SF8B⑩*	MSLS-05PFDS-SF8B⑩*		
	Stainless	SM12L-05PMES-SF8B⑩*	SM12L-05PFDS-SF8B⑩*		
	Stainless Shielded	SMSLS-05PMES-SF8B⑩*	SMSLS-05PFDS-SF8B⑩*		


* Upon Request

6 (5+PE)	
M	
630V	
8A	
Male Power / Female Ground	Female Power / Male Ground
	

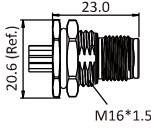
MSMP-06PMES-SF8001*	MSMP-06PFDS-SF8001*
MSMP-06PMEP-SF8001*	MSMP-06PFDP-SF8001*
MSMP-06PMER-SF8001*	MSMP-06PFDR-SF8001*
M12M-06PMES-SF8001*	M12M-06PFDS-SF8001*
M12M-06PMEP-SF8001*	M12M-06PFDP-SF8001*
M12M-06PMER-SF8001*	M12M-06PFDR-SF8001*
MSMS-06PMES-SF8001*	MSMS-06PFDS-SF8001*
MSMS-06PMEP-SF8001*	MSMS-06PFDP-SF8001*
MSMS-06PMER-SF8001*	MSMS-06PFDR-SF8001*
SM12M-06PMES-SF8001*	SM12M-06PFDS-SF8001*
SM12M-06PMEP-SF8001*	SM12M-06PFDP-SF8001*
SM12M-06PMER-SF8001*	SM12M-06PFDR-SF8001*
SMSMS-06PMES-SF8001*	SMSMS-06PFDS-SF8001*
SMSMS-06PMEP-SF8001*	SMSMS-06PFDP-SF8001*
SMSMS-06PMER-SF8001*	SMSMS-06PFDR-SF8001*

MSMP-06PMES-SF8002*	MSMP-06PFDS-SF8002*
MSMP-06PMEP-SF8002*	MSMP-06PFDP-SF8002*
MSMP-06PMER-SF8002*	MSMP-06PFDR-SF8002*
M12M-06PMES-SF8002*	M12M-06PFDS-SF8002*
M12M-06PMEP-SF8002*	M12M-06PFDP-SF8002*
M12M-06PMER-SF8002*	M12M-06PFDR-SF8002*
MSMS-06PMES-SF8002*	MSMS-06PFDS-SF8002*
MSMS-06PMEP-SF8002*	MSMS-06PFDP-SF8002*
MSMS-06PMER-SF8002*	MSMS-06PFDR-SF8002*
SM12M-06PMES-SF8002*	SM12M-06PFDS-SF8002*
SM12M-06PMEP-SF8002*	SM12M-06PFDP-SF8002*
SM12M-06PMER-SF8002*	SM12M-06PFDR-SF8002*
SMSMS-06PMES-SF8002*	SMSMS-06PFDS-SF8002*
SMSMS-06PMEP-SF8002*	SMSMS-06PFDP-SF8002*
SMSMS-06PMER-SF8002*	SMSMS-06PFDR-SF8002*

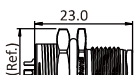
MSMP-06PMES-SF8B 10*	MSMP-06PFDS-SF8B 10*
M12M-06PMES-SF8B 10*	M12M-06PFDS-SF8B 10*
MSMS-06PMES-SF8B 10*	MSMS-06PFDS-SF8B 10*
SM12M-06PMES-SF8B 10*	SM12M-06PFDS-SF8B 10*
SMSMS-06PMES-SF8B 10*	SMSMS-06PFDS-SF8B 10*

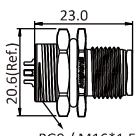
Number of Contacts	2
Coding	L
Rated Voltage (AC/DC)	63V
Nominal current	16A
Pin Assignment	MM
MM: Male Connector Male Contact	

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, **FRONT** Fastened Nut
 10 Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm)
 Standard Lengths: (25) 250mm and (50) 500mm

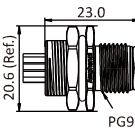
M16 x 1.5		
	Plastic	MSLP-02PMMS-SF8C 10*
	Metal Nut	M12L-02PMMS-SF8C 10*
	Shielded	MSLS-02PMMS-SF8C 10*
	Stainless	SM12L-02PMMS-SF8C 10*
	Stainless Shielded	SMSLS-02PMMS-SF8C 10*

M12 Bulkhead / Receptacle, Hexagonal Flange, **REAR** Fastened Nut

PG9			
	Plastic	Solder Pins	MSLP-02PMMS-SH8001*
	Metal Nut	Solder Pins	M12L-02PMMS-SH8001*
	Shielded	Solder Pins	MSLS-02PMMS-SH8001*
	Stainless	Solder Pins	SM12L-02PMMS-SH8001*
	Stainless Shielded	Solder Pins	SMSLS-02PMMS-SH8001*

M16 x 1.5			
	Plastic	Solder Pins	MSLP-02PMMS-SH8002*
	Metal Nut	Solder Pins	M12L-02PMMS-SH8002*
	Shielded	Solder Pins	MSLS-02PMMS-SH8002*
	Stainless	Solder Pins	SM12L-02PMMS-SH8002*
	Stainless Shielded	Solder Pins	SMSLS-02PMMS-SH8002*

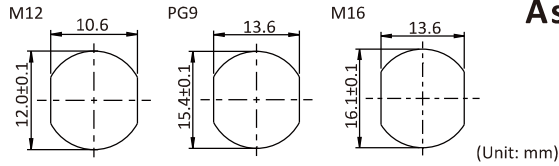
M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, **REAR** Fastened Nut
 10 Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm)
 Standard Lengths: (25) 250mm and (50) 500mm

PG9		
	Plastic	MSLP-02PMMS-SH8B 10*
	Metal Nut	M12L-02PMMS-SH8B 10*
	Shielded	MSLS-02PMMS-SH8B 10*
	Stainless	SM12L-02PMMS-SH8B 10*
	Stainless Shielded	SMSLS-02PMMS-SH8B 10*

* Upon Request

M12 L & T-Code Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

Panel Cut-Out



Assemble Style



Solder
(S) Receptacle

Number of Contacts	2	2	
Coding	L	T	
Rated Voltage (AC/DC)	63V	63V	
Nominal current	16A	12A	
Pin Assignment	FF	MM	FF
MM : Male Connector Male Contact FF : Female Connector Female Contact ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND			

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, FRONT Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5

(K, L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF) (T code, Plastic/Metal/Shielded/Stainless) 	Plastic	MSLP-02PFFS-SF8C⑩*	MSTP-02PMMS-SF8C⑩*	MSTP-02PFFS-SF8C⑩*
	Metal Nut	M12L-02PFFS-SF8C⑩*	M12T-02PMMS-SF8C⑩*	M12T-02PFFS-SF8C⑩*
	Shielded	MSLS-02PFFS-SF8C⑩*	MSTS-02PMMS-SF8C⑩*	MSTS-02PFFS-SF8C⑩*
	Stainless	SM12L-02PFFS-SF8C⑩*	SM12T-02PMMS-SF8C⑩*	SM12T-02PFFS-SF8C⑩*
	Stainless Shielded	SMSLS-02PFFS-SF8C⑩*	SMSTS-02PMMS-SF8C⑩*	SMSTS-02PFFS-SF8C⑩*

M12 Bulkhead / Receptacle, Hexagonal Flange, REAR Fastened Nut

(K, L, M, T code Plastic/Metal/Shielded/Stainless) (MM) (FF)	PG9		Plastic	Solder Pins	MSLP-02PFFS-SH8001*	MSTP-02PMMS-SH8001*	MSTP-02PFFS-SH8001*
			Metal Nut	Solder Pins	M12L-02PFFS-SH8001*	M12T-02PMMS-SH8001*	M12T-02PFFS-SH8001*
			Shielded	Solder Pins	MSLS-02PFFS-SH8001*	MSTS-02PMMS-SH8001*	MSTS-02PFFS-SH8001*
			Stainless	Solder Pins	SM12L-02PFFS-SH8001*	SM12T-02PMMS-SH8001*	SM12T-02PFFS-SH8001*
			Stainless Shielded	Solder Pins	SMSLS-02PFFS-SH8001*	SMSTS-02PMMS-SH8001*	SMSTS-02PFFS-SH8001*

M16 x 1.5

(K, L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF)	PG9		Plastic	Solder Pins	MSLP-02PFFS-SH8002*	MSTP-02PMMS-SH8002*	MSTP-02PFFS-SH8002*
			Metal Nut	Solder Pins	M12L-02PFFS-SH8002*	M12T-02PMMS-SH8002*	M12T-02PFFS-SH8002*
			Shielded	Solder Pins	MSLS-02PFFS-SH8002*	MSTS-02PMMS-SH8002*	MSTS-02PFFS-SH8002*
			Stainless	Solder Pins	SM12L-02PFFS-SH8002*	SM12T-02PMMS-SH8002*	SM12T-02PFFS-SH8002*
			Stainless Shielded	Solder Pins	SMSLS-02PFFS-SH8002*	SMSTS-02PMMS-SH8002*	SMSTS-02PFFS-SH8002*

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, REAR Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

PG9

(K, L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF) (T code, Plastic/Metal/Shielded/Stainless) 	Plastic	MSLP-02PFFS-SH8B⑩*	MSTP-02PMMS-SH8B⑩*	MSTP-02PFFS-SH8B⑩*
	Metal Nut	M12L-02PFFS-SH8B⑩*	M12T-02PMMS-SH8B⑩*	M12T-02PFFS-SH8B⑩*
	Shielded	MSLS-02PFFS-SH8B⑩*	MSTS-02PMMS-SH8B⑩*	MSTS-02PFFS-SH8B⑩*
	Stainless	SM12L-02PFFS-SH8B⑩*	SM12T-02PMMS-SH8B⑩*	SM12T-02PFFS-SH8B⑩*
	Stainless Shielded	SMSLS-02PFFS-SH8B⑩*	SMSTS-02PMMS-SH8B⑩*	SMSTS-02PFFS-SH8B⑩*

* Upon Request

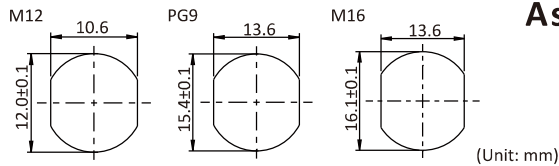
M12 K, L, M-Code Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

3 (2+PE)		3 (2+PE)		3 (2+FE)	
K		M		L	
630V		630V		63V	
16A		8A		16A	
Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground
MSKP-03PMES-SF8C10*	MSKP-03PFDS-SF8C10*	MSMP-03PMES-SF8C10*	MSMP-03PFDS-SF8C10*	MSLP-03PMES-SF8C10*	MSLP-03PFDS-SF8C10*
M12K-03PMES-SF8C10*	M12K-03PFDS-SF8C10*	M12M-03PMES-SF8C10*	M12M-03PFDS-SF8C10*	M12L-03PMES-SF8C10*	M12L-03PFDS-SF8C10*
MSKS-03PMES-SF8C10*	MSKS-03PFDS-SF8C10*	MSMS-03PMES-SF8C10*	MSMS-03PFDS-SF8C10*	MSLS-03PMES-SF8C10*	MSLS-03PFDS-SF8C10*
SM12K-03PMES-SF8C10*	SM12K-03PFDS-SF8C10*	SM12M-03PMES-SF8C10*	SM12M-03PFDS-SF8C10*	SM12L-03PMES-SF8C10*	SM12L-03PFDS-SF8C10*
SMSKS-03PMES-SF8C10*	SMSKS-03PFDS-SF8C10*	SMSMS-03PMES-SF8C10*	SMSMS-03PFDS-SF8C10*	SMSLS-03PMES-SF8C10*	SMSLS-03PFDS-SF8C10*
MSKP-03PMES-SH8001*	MSKP-03PFDS-SH8001*	MSMP-03PMES-SH8001*	MSMP-03PFDS-SH8001*	MSLP-03PMES-SH8001*	MSLP-03PFDS-SH8001*
M12K-03PMES-SH8001*	M12K-03PFDS-SH8001*	M12M-03PMES-SH8001*	M12M-03PFDS-SH8001*	M12L-03PMES-SH8001*	M12L-03PFDS-SH8001*
MSKS-03PMES-SH8001*	MSKS-03PFDS-SH8001*	MSMS-03PMES-SH8001*	MSMS-03PFDS-SH8001*	MSLS-03PMES-SH8001*	MSLS-03PFDS-SH8001*
SM12K-03PMES-SH8001*	SM12K-03PFDS-SH8001*	SM12M-03PMES-SH8001*	SM12M-03PFDS-SH8001*	SM12L-03PMES-SH8001*	SM12L-03PFDS-SH8001*
SMSKS-03PMES-SH8001*	SMSKS-03PFDS-SH8001*	SMSMS-03PMES-SH8001*	SMSMS-03PFDS-SH8001*	SMSLS-03PMES-SH8001*	SMSLS-03PFDS-SH8001*
MSKP-03PMES-SH8002*	MSKP-03PFDS-SH8002*	MSMP-03PMES-SH8002*	MSMP-03PFDS-SH8002*	MSLP-03PMES-SH8002*	MSLP-03PFDS-SH8002*
M12K-03PMES-SH8002*	M12K-03PFDS-SH8002*	M12M-03PMES-SH8002*	M12M-03PFDS-SH8002*	M12L-03PMES-SH8002*	M12L-03PFDS-SH8002*
MSKS-03PMES-SH8002*	MSKS-03PFDS-SH8002*	MSMS-03PMES-SH8002*	MSMS-03PFDS-SH8002*	MSLS-03PMES-SH8002*	MSLS-03PFDS-SH8002*
SM12K-03PMES-SH8002*	SM12K-03PFDS-SH8002*	SM12M-03PMES-SH8002*	SM12M-03PFDS-SH8002*	SM12L-03PMES-SH8002*	SM12L-03PFDS-SH8002*
SMSKS-03PMES-SH8002*	SMSKS-03PFDS-SH8002*	SMSMS-03PMES-SH8002*	SMSMS-03PFDS-SH8002*	SMSLS-03PMES-SH8002*	SMSLS-03PFDS-SH8002*
MSKP-03PMES-SH8B10*	MSKP-03PFDS-SH8B10*	MSMP-03PMES-SH8B10*	MSMP-03PFDS-SH8B10*	MSLP-03PMES-SH8B10*	MSLP-03PFDS-SH8B10*
M12K-03PMES-SH8B10*	M12K-03PFDS-SH8B10*	M12M-03PMES-SH8B10*	M12M-03PFDS-SH8B10*	M12L-03PMES-SH8B10*	M12L-03PFDS-SH8B10*
MSKS-03PMES-SH8B10*	MSKS-03PFDS-SH8B10*	MSMS-03PMES-SH8B10*	MSMS-03PFDS-SH8B10*	MSLS-03PMES-SH8B10*	MSLS-03PFDS-SH8B10*
SM12K-03PMES-SH8B10*	SM12K-03PFDS-SH8B10*	SM12M-03PMES-SH8B10*	SM12M-03PFDS-SH8B10*	SM12L-03PMES-SH8B10*	SM12L-03PFDS-SH8B10*
SMSKS-03PMES-SH8B10*	SMSKS-03PFDS-SH8B10*	SMSMS-03PMES-SH8B10*	SMSMS-03PFDS-SH8B10*	SMSLS-03PMES-SH8B10*	SMSLS-03PFDS-SH8B10*

M12 L-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

Panel Cut-Out



Assemble Style



Solder
(S) Receptacle

Number of Contacts	3	
Coding	L	
Rated Voltage (AC/DC)	63V	
Nominal current	16A	
Pin Assignment	MM	FF
MM : Male Connector Male Contact FF : Female Connector Female Contact ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, FRONT Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5

(K, L code, Plastic/Metal/Shielded/Stainless) (S, T code, Plastic/Metal/Shielded/Stainless) 	Plastic	MSLP-03PMMS-SF8C ⑩*	MSLP-03PFFS-SF8C ⑩*
	Metal Nut	M12L-03PMMS-SF8C ⑩*	M12L-03PFFS-SF8C ⑩*
	Shielded	MSLS-03PMMS-SF8C ⑩*	MSLS-03PFFS-SF8C ⑩*
	Stainless	SM12L-03PMMS-SF8C ⑩*	SM12L-03PFFS-SF8C ⑩*
	Stainless Shielded	SMSLS-03PMMS-SF8C ⑩*	SMSLS-03PFFS-SF8C ⑩*

M12 Bulkhead / Receptacle, Hexagonal Flange, REAR Fastened Nut

(K, L, S, T code Plastic/Metal/Shielded/Stainless) 	PG9			
	Plastic	Solder Pins	MSLP-03PMMS-SH8001*	MSLP-03PFFS-SH8001*
	Metal Nut	Solder Pins	M12L-03PMMS-SH8001*	M12L-03PFFS-SH8001*
	Shielded	Solder Pins	MSLS-03PMMS-SH8001*	MSLS-03PFFS-SH8001*
	Stainless	Solder Pins	SM12L-03PMMS-SH8001*	SM12L-03PFFS-SH8001*
	Stainless Shielded	Solder Pins	SMSLS-03PMMS-SH8001*	SMSLS-03PFFS-SH8001*
	M16 x 1.5			
	Plastic	Solder Pins	MSLP-03PMMS-SH8002*	MSLP-03PFFS-SH8002*
	Metal Nut	Solder Pins	M12L-03PMMS-SH8002*	M12L-03PFFS-SH8002*
	Shielded	Solder Pins	MSLS-03PMMS-SH8002*	MSLS-03PFFS-SH8002*

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, REAR Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

PG9

(K, L code, Plastic/Metal/Shielded/Stainless) (S, T code, Plastic/Metal/Shielded/Stainless) 	Plastic	MSLP-03PMMS-SH8B ⑩*	MSLP-03PFFS-SH8B ⑩*
	Metal Nut	M12L-03PMMS-SH8B ⑩*	M12L-03PFFS-SH8B ⑩*
	Shielded	MSLS-03PMMS-SH8B ⑩*	MSLS-03PFFS-SH8B ⑩*
	Stainless	SM12L-03PMMS-SH8B ⑩*	SM12L-03PFFS-SH8B ⑩*
	Stainless Shielded	SMSLS-03PMMS-SH8B ⑩*	SMSLS-03PFFS-SH8B ⑩*

* Upon Request

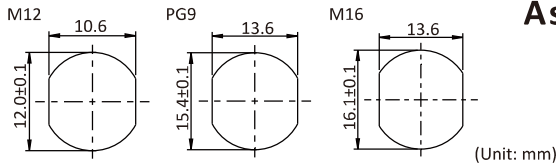
M12 K, S, T-Code Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

3 (2+PE)		3		4 (3+PE)	
S		T		K	
630V		63V		630V	
12A		12A		16A	
MM	FF	MM	FF	Male Power / Female Ground	Female Power / Male Ground
MSSP-03PMMS-SF8C	MSSP-03PFFS-SF8C	MSTP-03PMMS-SF8C	MSTP-03PFFS-SF8C	MSKP-04PMES-SF8C	MSKP-04PFDS-SF8C
M12S-03PMMS-SF8C	M12S-03PFFS-SF8C	M12T-03PMMS-SF8C	M12T-03PFFS-SF8C	M12K-04PMES-SF8C	M12K-04PFDS-SF8C
MSSS-03PMMS-SF8C	MSSS-03PFFS-SF8C	MSTS-03PMMS-SF8C	MSTS-03PFFS-SF8C	MSKS-04PMES-SF8C	MSKS-04PFDS-SF8C
SM12S-03PMMS-SF8C	SM12S-03PFFS-SF8C	SM12T-03PMMS-SF8C	SM12T-03PFFS-SF8C	SM12K-04PMES-SF8C	SM12K-04PFDS-SF8C
SMSSS-03PMMS-SF8C	SMSSS-03PFFS-SF8C	SMSTS-03PMMS-SF8C	SMSTS-03PFFS-SF8C	SMSKS-04PMES-SF8C	SMSKS-04PFDS-SF8C
MSSP-03PMMS-SH8001*	MSSP-03PFFS-SH8001*	MSTP-03PMMS-SH8001*	MSTP-03PFFS-SH8001*	MSKP-04PMES-SH8001*	MSKP-04PFDS-SH8001*
M12S-03PMMS-SH8001*	M12S-03PFFS-SH8001*	M12T-03PMMS-SH8001*	M12T-03PFFS-SH8001*	M12K-04PMES-SH8001*	M12K-04PFDS-SH8001*
MSSS-03PMMS-SH8001*	MSSS-03PFFS-SH8001*	MSTS-03PMMS-SH8001*	MSTS-03PFFS-SH8001*	MSKS-04PMES-SH8001*	MSKS-04PFDS-SH8001*
SM12S-03PMMS-SH8001*	SM12S-03PFFS-SH8001*	SM12T-03PMMS-SH8001*	SM12T-03PFFS-SH8001*	SM12K-04PMES-SH8001*	SM12K-04PFDS-SH8001*
SMSSS-03PMMS-SH8001*	SMSSS-03PFFS-SH8001*	SMSTS-03PMMS-SH8001*	SMSTS-03PFFS-SH8001*	SMSKS-04PMES-SH8001*	SMSKS-04PFDS-SH8001*
MSSP-03PMMS-SH8002*	MSSP-03PFFS-SH8002*	MSTP-03PMMS-SH8002*	MSTP-03PFFS-SH8002*	MSKP-04PMES-SH8002*	MSKP-04PFDS-SH8002*
M12S-03PMMS-SH8002*	M12S-03PFFS-SH8002*	M12T-03PMMS-SH8002*	M12T-03PFFS-SH8002*	M12K-04PMES-SH8002*	M12K-04PFDS-SH8002*
MSSS-03PMMS-SH8002*	MSSS-03PFFS-SH8002*	MSTS-03PMMS-SH8002*	MSTS-03PFFS-SH8002*	MSKS-04PMES-SH8002*	MSKS-04PFDS-SH8002*
SM12S-03PMMS-SH8002*	SM12S-03PFFS-SH8002*	SM12T-03PMMS-SH8002*	SM12T-03PFFS-SH8002*	SM12K-04PMES-SH8002*	SM12K-04PFDS-SH8002*
SMSSS-03PMMS-SH8002*	SMSSS-03PFFS-SH8002*	SMSTS-03PMMS-SH8002*	SMSTS-03PFFS-SH8002*	SMSKS-04PMES-SH8002*	SMSKS-04PFDS-SH8002*
MSSP-03PMMS-SH8B	MSSP-03PFFS-SH8B	MSTP-03PMMS-SH8B	MSTP-03PFFS-SH8B	MSKP-04PMES-SH8B	MSKP-04PFDS-SH8B
M12S-03PMMS-SH8B	M12S-03PFFS-SH8B	M12T-03PMMS-SH8B	M12T-03PFFS-SH8B	M12K-04PMES-SH8B	M12K-04PFDS-SH8B
MSSS-03PMMS-SH8B	MSSS-03PFFS-SH8B	MSTS-03PMMS-SH8B	MSTS-03PFFS-SH8B	MSKS-04PMES-SH8B	MSKS-04PFDS-SH8B
SM12S-03PMMS-SH8B	SM12S-03PFFS-SH8B	SM12T-03PMMS-SH8B	SM12T-03PFFS-SH8B	SM12K-04PMES-SH8B	SM12K-04PFDS-SH8B
SMSSS-03PMMS-SH8B	SMSSS-03PFFS-SH8B	SMSTS-03PMMS-SH8B	SMSTS-03PFFS-SH8B	SMSKS-04PMES-SH8B	SMSKS-04PFDS-SH8B

M12 M-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

Panel Cut-Out



Assemble Style



Solder
(S) Receptacle

Number of Contacts	4 (3+PE)	
Coding	M	
Rated Voltage (AC/DC)	630V	
Nominal current	8A	
Pin Assignment	Male Power / Female Ground	Female Power / Male Ground
MM : Male Connector Male Contact FF : Female Connector Female Contact	ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND	

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, FRONT Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5

(L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF) (S code, Plastic/Metal/Shielded/Stainless) 	Plastic	MSMP-04PMES-SF8C⑩*	MSMP-04PFDS-SF8C⑩*
	Metal Nut	M12M-04PMES-SF8C⑩*	M12M-04PFDS-SF8C⑩*
	Shielded	MSMS-04PMES-SF8C⑩*	MSMS-04PFDS-SF8C⑩*
	Stainless	SM12M-04PMES-SF8C⑩*	SM12M-04PFDS-SF8C⑩*
	Stainless Shielded	SMSMS-04PMES-SF8C⑩*	SMSMS-04PFDS-SF8C⑩*

M12 Bulkhead / Receptacle, Hexagonal Flange, REAR Fastened Nut

(L, M, S code Plastic/Metal/Shielded/Stainless) (MM) (FF) 	PG9			
	Plastic	Solder Pins	MSMP-04PMES-SH8001*	MSMP-04PFDS-SH8001*
	Metal Nut	Solder Pins	M12M-04PMES-SH8001*	M12M-04PFDS-SH8001*
	Shielded	Solder Pins	MSMS-04PMES-SH8001*	MSMS-04PFDS-SH8001*
	Stainless	Solder Pins	SM12M-04PMES-SH8001*	SM12M-04PFDS-SH8001*
	Stainless Shielded	Solder Pins	SMSMS-04PMES-SH8001*	SMSMS-04PFDS-SH8001*
	M16 x 1.5			
	Plastic	Solder Pins	MSMP-04PMES-SH8002*	MSMP-04PFDS-SH8002*
	Metal Nut	Solder Pins	M12M-04PMES-SH8002*	M12M-04PFDS-SH8002*
	Shielded	Solder Pins	MSMS-04PMES-SH8002*	MSMS-04PFDS-SH8002*

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, REAR Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

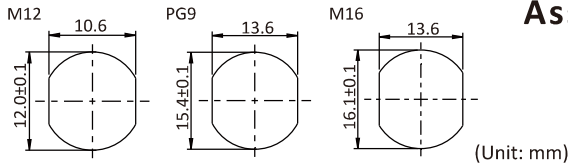
(L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF) (S code, Plastic/Metal/Shielded/Stainless) 	PG9			
	Plastic	MSMP-04PMES-SH8B⑩*	MSMP-04PFDS-SH8B⑩*	
	Metal Nut	M12M-04PMES-SH8B⑩*	M12M-04PFDS-SH8B⑩*	
	Shielded	MSMS-04PMES-SH8B⑩*	MSMS-04PFDS-SH8B⑩*	
	Stainless	SM12M-04PMES-SH8B⑩*	SM12M-04PFDS-SH8B⑩*	
	Stainless Shielded	SMSMS-04PMES-SH8B⑩*	SMSMS-04PFDS-SH8B⑩*	

* Upon Request

M12 L & S-Code Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

4 (3+FE)		4		4 (3+PE)	
L		L		S	
63V		63V		630V	
12A		16A		12A	
Male Power / Female Ground	Female Power / Male Ground	MM	FF	MM	FF
MSLP-04PMES-SF8C	MSLP-04PFDS-SF8C	MSLP-04PMMS-SF8C	MSLP-04PFFS-SF8C	MSSP-04PMMS-SF8C	MSSP-04PFFS-SF8C
M12L-04PMES-SF8C	M12L-04PFDS-SF8C	M12L-04PMMS-SF8C	M12L-04PFFS-SF8C	M12S-04PMMS-SF8C	M12S-04PFFS-SF8C
MSLS-04PMES-SF8C	MSLS-04PFDS-SF8C	MSLS-04PMMS-SF8C	MSLS-04PFFS-SF8C	MSSS-04PMMS-SF8C	MSSS-04PFFS-SF8C
SM12L-04PMES-SF8C	SM12L-04PFDS-SF8C	SM12L-04PMMS-SF8C	SM12L-04PFFS-SF8C	SM12S-04PMMS-SF8C	SM12S-04PFFS-SF8C
SMSLS-04PMES-SF8C	SMSLS-04PFDS-SF8C	SMSLS-04PMMS-SF8C	SMSLS-04PFFS-SF8C	SMSSS-04PMMS-SF8C	SMSSS-04PFFS-SF8C
MSLP-04PMES-SH8001*	MSLP-04PFDS-SH8001*	MSLP-04PMMS-SH8001*	MSLP-04PFFS-SH8001*	MSSP-04PMMS-SH8001*	MSSP-04PFFS-SH8001*
M12L-04PMES-SH8001*	M12L-04PFDS-SH8001*	M12L-04PMMS-SH8001*	M12L-04PFFS-SH8001*	M12S-04PMMS-SH8001*	M12S-04PFFS-SH8001*
MSLS-04PMES-SH8001*	MSLS-04PFDS-SH8001*	MSLS-04PMMS-SH8001*	MSLS-04PFFS-SH8001*	MSSS-04PMMS-SH8001*	MSSS-04PFFS-SH8001*
SM12L-04PMES-SH8001*	SM12L-04PFDS-SH8001*	SM12L-04PMMS-SH8001*	SM12L-04PFFS-SH8001*	SM12S-04PMMS-SH8001*	SM12S-04PFFS-SH8001*
SMSLS-04PMES-SH8001*	SMSLS-04PFDS-SH8001*	SMSLS-04PMMS-SH8001*	SMSLS-04PFFS-SH8001*	SMSSS-04PMMS-SH8001*	SMSSS-04PFFS-SH8001*
MSLP-04PMES-SH8002*	MSLP-04PFDS-SH8002*	MSLP-04PMMS-SH8002*	MSLP-04PFFS-SH8002*	MSSP-04PMMS-SH8002*	MSSP-04PFFS-SH8002*
M12L-04PMES-SH8002*	M12L-04PFDS-SH8002*	M12L-04PMMS-SH8002*	M12L-04PFFS-SH8002*	M12S-04PMMS-SH8002*	M12S-04PFFS-SH8002*
MSLS-04PMES-SH8002*	MSLS-04PFDS-SH8002*	MSLS-04PMMS-SH8002*	MSLS-04PFFS-SH8002*	MSSS-04PMMS-SH8002*	MSSS-04PFFS-SH8002*
SM12L-04PMES-SH8002*	SM12L-04PFDS-SH8002*	SM12L-04PMMS-SH8002*	SM12L-04PFFS-SH8002*	SM12S-04PMMS-SH8002*	SM12S-04PFFS-SH8002*
SMSLS-04PMES-SH8002*	SMSLS-04PFDS-SH8002*	SMSLS-04PMMS-SH8002*	SMSLS-04PFFS-SH8002*	SMSSS-04PMMS-SH8002*	SMSSS-04PFFS-SH8002*
MSLP-04PMES-SH8B	MSLP-04PFDS-SH8B	MSLP-04PMMS-SH8B	MSLP-04PFFS-SH8B	MSSP-04PMMS-SH8B	MSSP-04PFFS-SH8B
M12L-04PMES-SH8B	M12L-04PFDS-SH8B	M12L-04PMMS-SH8B	M12L-04PFFS-SH8B	M12S-04PMMS-SH8B	M12S-04PFFS-SH8B
MSLS-04PMES-SH8B	MSLS-04PFDS-SH8B	MSLS-04PMMS-SH8B	MSLS-04PFFS-SH8B	MSSS-04PMMS-SH8B	MSSS-04PFFS-SH8B
SM12L-04PMES-SH8B	SM12L-04PFDS-SH8B	SM12L-04PMMS-SH8B	SM12L-04PFFS-SH8B	SM12S-04PMMS-SH8B	SM12S-04PFFS-SH8B
SMSLS-04PMES-SH8B	SMSLS-04PFDS-SH8B	SMSLS-04PMMS-SH8B	SMSLS-04PFFS-SH8B	SMSSS-04PMMS-SH8B	SMSSS-04PFFS-SH8B

Panel Cut-Out



Assemble Style



Solder
(S) Receptacle

Number of Contacts	4	
Coding	T	
Rated Voltage (AC/DC)	63V	
Nominal current	12A	
Pin Assignment	MM	FF
MM : Male Connector Male Contact ME : Male Connector Male PWD + Female GND FF : Female Connector Female Contact FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, **FRONT** Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5

(K, L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF) (T code, Plastic/Metal/Shielded/Stainless) 	Plastic	MSTP-04P MMS -SF8C ⑩*	MSTP-04P FFS -SF8C ⑩*
	Metal Nut	M12T-04P MMS -SF8C ⑩	M12T-04P FFS -SF8C ⑩
	Shielded	MSTS-04P MMS -SF8C ⑩*	MSTS-04P FFS -SF8C ⑩*
	Stainless	SM12T-04P MMS -SF8C ⑩*	SM12T-04P FFS -SF8C ⑩*
	Stainless Shielded	SMSTS-04P MMS -SF8C ⑩*	SMSTS-04P FFS -SF8C ⑩*

M12 Bulkhead / Receptacle, Hexagonal Flange, **REAR** Fastened Nut

(K, L, M, T code Plastic/Metal/Shielded/Stainless) (MM) (FF) PG9 / M16*1.5	PG9			
	Plastic	Solder Pins	MSTP-04P MMS -SH8001*	MSTP-04P FFS -SH8001*
	Metal Nut	Solder Pins	M12T-04P MMS -SH8001*	M12T-04P FFS -SH8001*
	Shielded	Solder Pins	MSTS-04P MMS -SH8001*	MSTS-04P FFS -SH8001*
	Stainless	Solder Pins	SM12T-04P MMS -SH8001*	SM12T-04P FFS -SH8001*
	Stainless Shielded	Solder Pins	SMSTS-04P MMS -SH8001*	SMSTS-04P FFS -SH8001*
	M16 x 1.5			
	Plastic	Solder Pins	MSTP-04P MMS -SH8002*	MSTP-04P FFS -SH8002*
	Metal Nut	Solder Pins	M12T-04P MMS -SH8002*	M12T-04P FFS -SH8002*
	Shielded	Solder Pins	MSTS-04P MMS -SH8002*	MSTS-04P FFS -SH8002*
Stainless	Solder Pins	SM12T-04P MMS -SH8002*	SM12T-04P FFS -SH8002*	
Stainless Shielded	Solder Pins	SMSTS-04P MMS -SH8002*	SMSTS-04P FFS -SH8002*	

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, **REAR** Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

PG9

(K, L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF) (T code, Plastic/Metal/Shielded/Stainless) 	Plastic	MSTP-04P MMS -SH8B ⑩*	MSTP-04P FFS -SH8B ⑩*
	Metal Nut	M12T-04P MMS -SH8B ⑩	M12T-04P FFS -SH8B ⑩
	Shielded	MSTS-04P MMS -SH8B ⑩*	MSTS-04P FFS -SH8B ⑩*
	Stainless	SM12T-04P MMS -SH8B ⑩*	SM12T-04P FFS -SH8B ⑩*
	Stainless Shielded	SMSTS-04P MMS -SH8B ⑩*	SMSTS-04P FFS -SH8B ⑩*

* Upon Request

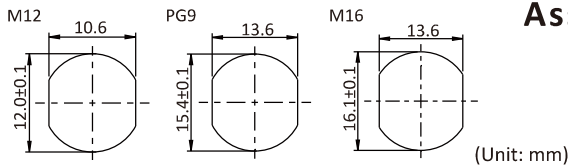
M12 K, L, M-Code Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

5 (4+PE)		5 (4+PE)		5 (4+FE)	
K		M		L	
630V		630V		63V	
16A		8A		16A	
Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground
MSKP-05PMES-SF8C10*	MSKP-05PFDS-SF8C10*	MSMP-05PMES-SF8C10*	MSMP-05PFDS-SF8C10*	MSLP-05PMES-SF8C10*	MSLP-05PFDS-SF8C10*
M12K-05PMES-SF8C10*	M12K-05PFDS-SF8C10*	M12M-05PMES-SF8C10*	M12M-05PFDS-SF8C10*	M12L-05PMES-SF8C10*	M12L-05PFDS-SF8C10*
MSKS-05PMES-SF8C10*	MSKS-05PFDS-SF8C10*	MSMS-05PMES-SF8C10*	MSMS-05PFDS-SF8C10*	MSLS-05PMES-SF8C10*	MSLS-05PFDS-SF8C10*
SM12K-05PMES-SF8C10*	SM12K-05PFDS-SF8C10*	SM12M-05PMES-SF8C10*	SM12M-05PFDS-SF8C10*	SM12L-05PMES-SF8C10*	SM12L-05PFDS-SF8C10*
SMSKS-05PMES-SF8C10*	SMSKS-05PFDS-SF8C10*	SMSMS-05PMES-SF8C10*	SMSMS-05PFDS-SF8C10*	SMSLS-05PMES-SF8C10*	SMSLS-05PFDS-SF8C10*
MSKP-05PMES-SH8001*	MSKP-05PFDS-SH8001*	MSMP-05PMES-SH8001*	MSMP-05PFDS-SH8001*	MSLP-05PMES-SH8001*	MSLP-05PFDS-SH8001*
M12K-05PMES-SH8001*	M12K-05PFDS-SH8001*	M12M-05PMES-SH8001*	M12M-05PFDS-SH8001*	M12L-05PMES-SH8001*	M12L-05PFDS-SH8001*
MSKS-05PMES-SH8001*	MSKS-05PFDS-SH8001*	MSMS-05PMES-SH8001*	MSMS-05PFDS-SH8001*	MSLS-05PMES-SH8001*	MSLS-05PFDS-SH8001*
SM12K-05PMES-SH8001*	SM12K-05PFDS-SH8001*	SM12M-05PMES-SH8001*	SM12M-05PFDS-SH8001*	SM12L-05PMES-SH8001*	SM12L-05PFDS-SH8001*
SMSKS-05PMES-SH8001*	SMSKS-05PFDS-SH8001*	SMSMS-05PMES-SH8001*	SMSMS-05PFDS-SH8001*	SMSLS-05PMES-SH8001*	SMSLS-05PFDS-SH8001*
MSKP-05PMES-SH8002*	MSKP-05PFDS-SH8002*	MSMP-05PMES-SH8002*	MSMP-05PFDS-SH8002*	MSLP-05PMES-SH8002*	MSLP-05PFDS-SH8002*
M12K-05PMES-SH8002*	M12K-05PFDS-SH8002*	M12M-05PMES-SH8002*	M12M-05PFDS-SH8002*	M12L-05PMES-SH8002*	M12L-05PFDS-SH8002*
MSKS-05PMES-SH8002*	MSKS-05PFDS-SH8002*	MSMS-05PMES-SH8002*	MSMS-05PFDS-SH8002*	MSLS-05PMES-SH8002*	MSLS-05PFDS-SH8002*
SM12K-05PMES-SH8002*	SM12K-05PFDS-SH8002*	SM12M-05PMES-SH8002*	SM12M-05PFDS-SH8002*	SM12L-05PMES-SH8002*	SM12L-05PFDS-SH8002*
SMSKS-05PMES-SH8002*	SMSKS-05PFDS-SH8002*	SMSMS-05PMES-SH8002*	SMSMS-05PFDS-SH8002*	SMSLS-05PMES-SH8002*	SMSLS-05PFDS-SH8002*
MSKP-05PMES-SH8B10*	MSKP-05PFDS-SH8B10*	MSMP-05PMES-SH8B10*	MSMP-05PFDS-SH8B10*	MSLP-05PMES-SH8B10*	MSLP-05PFDS-SH8B10*
M12K-05PMES-SH8B10*	M12K-05PFDS-SH8B10*	M12M-05PMES-SH8B10*	M12M-05PFDS-SH8B10*	M12L-05PMES-SH8B10*	M12L-05PFDS-SH8B10*
MSKS-05PMES-SH8B10*	MSKS-05PFDS-SH8B10*	MSMS-05PMES-SH8B10*	MSMS-05PFDS-SH8B10*	MSLS-05PMES-SH8B10*	MSLS-05PFDS-SH8B10*
SM12K-05PMES-SH8B10*	SM12K-05PFDS-SH8B10*	SM12M-05PMES-SH8B10*	SM12M-05PFDS-SH8B10*	SM12L-05PMES-SH8B10*	SM12L-05PFDS-SH8B10*
SMSKS-05PMES-SH8B10*	SMSKS-05PFDS-SH8B10*	SMSMS-05PMES-SH8B10*	SMSMS-05PFDS-SH8B10*	SMSLS-05PMES-SH8B10*	SMSLS-05PFDS-SH8B10*

M12 M-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Front & Rear Fastened

Panel Cut-Out



Assemble Style



Solder
(S) Receptacle

Number of Contacts	6 (5+PE)	
Coding	M	
Rated Voltage (AC/DC)	630V	
Nominal current	8A	
Pin Assignment	Male Power / Female Ground	Female Power / Male Ground
ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, **FRONT** Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5

	Plastic	MSMP-06PMES-SF8C⑩*	MSMP-06PFDS-SF8C⑩*
	Metal Nut	M12M-06PMES-SF8C⑩*	M12M-06PFDS-SF8C⑩*
	Shielded	MSMS-06PMES-SF8C⑩*	MSMS-06PFDS-SF8C⑩*
	Stainless	SM12M-06PMES-SF8C⑩*	SM12M-06PFDS-SF8C⑩*
	Stainless Shielded	SMSMS-06PMES-SF8C⑩*	SMSMS-06PFDS-SF8C⑩*

M12 Bulkhead / Receptacle, Hexagonal Flange, **REAR** Fastened Nut

PG9

	Plastic	Solder Pins	MSMP-06PMES-SH8001*	MSMP-06PFDS-SH8001*
	Metal Nut	Solder Pins	M12M-06PMES-SH8001*	M12M-06PFDS-SH8001*
	Shielded	Solder Pins	MSMS-06PMES-SH8001*	MSMS-06PFDS-SH8001*
	Stainless	Solder Pins	SM12M-06PMES-SH8001*	SM12M-06PFDS-SH8001*
	Stainless Shielded	Solder Pins	SMSMS-06PMES-SH8001*	SMSMS-06PFDS-SH8001*

M16 x 1.5

	Plastic	Solder Pins	MSMP-06PMES-SH8002*	MSMP-06PFDS-SH8002*
	Metal Nut	Solder Pins	M12M-06PMES-SH8002*	M12M-06PFDS-SH8002*
	Shielded	Solder Pins	MSMS-06PMES-SH8002*	MSMS-06PFDS-SH8002*
	Stainless	Solder Pins	SM12M-06PMES-SH8002*	SM12M-06PFDS-SH8002*
	Stainless Shielded	Solder Pins	SMSMS-06PMES-SH8002*	SMSMS-06PFDS-SH8002*


M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, **REAR** Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

PG9

	Plastic	MSMP-06PMES-SH8B⑩*	MSMP-06PFDS-SH8B⑩*
	Metal Nut	M12M-06PMES-SH8B⑩*	M12M-06PFDS-SH8B⑩*
	Shielded	MSMS-06PMES-SH8B⑩*	MSMS-06PFDS-SH8B⑩*
	Stainless	SM12M-06PMES-SH8B⑩*	SM12M-06PFDS-SH8B⑩*
	Stainless Shielded	SMSMS-06PMES-SH8B⑩*	SMSMS-06PFDS-SH8B⑩*

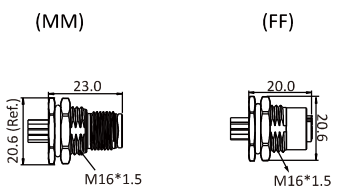
* Upon Request

Number of Contacts	2	
Coding	L	
Rated Voltage (AC/DC)	63V	
Nominal current	16A	
Pin Assignment	MM	FF
MM: Male Connector Male Contact FF: Female Connector Female Contact		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, REAR Fastened Nut

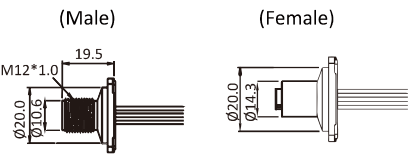
10 Wire Length: **(10)** 100mm ~ **(95)** 950mm (per 50mm) | **(A0)** 1,000mm ~ **(A5)** 1,500mm (Per 100mm) | Standard Lengths: **(25)** 250mm and **(50)** 500mm

M16 x 1.5

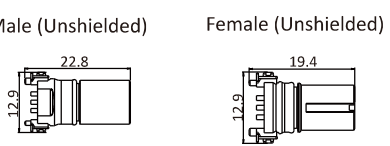
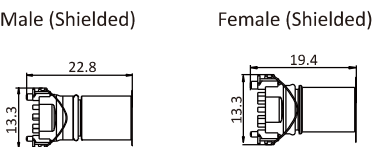
	Plastic	MSLP-02PMMS-SH8C 10 *	MSLP-02PFFS-SH8C 10 *
	Metal Nut	M12L-02PMMS-SH8C 10 *	M12L-02PFFS-SH8C 10 *
	Shielded	MSLS-02PMMS-SH8C 10 *	MSLS-02PFFS-SH8C 10 *
	Stainless	SM12L-02PMMS-SH8C 10 *	SM12L-02PFFS-SH8C 10 *
	Stainless Shielded	SMSLS-02PMMS-SH8C 10 *	SMSLS-02PFFS-SH8C 10 *

M12 Bulkhead / Receptacle With UL PVC Wires, 25mm SQUARE Flange with 4 x M3 Mounting Holes Screws

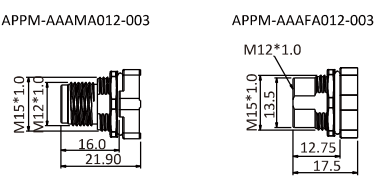
10 Wire Length: **(10)** 100mm ~ **(95)** 950mm (per 50mm) | **(A0)** 1,000mm ~ **(A5)** 1,500mm (Per 100mm) | Standard Lengths: **(25)** 250mm and **(50)** 500mm

	Shielded	MSLS-02PMMS-SS8E 10 *	MSLS-02PFFS-SS8E 10 *
	Stainless	SM12L-02PMMS-SS8E 10 *	SM12L-02PFFS-SS8E 10 *
	Stainless Shielded	SMSLS-02PMMS-SS8E 10 *	SMSLS-02PFFS-SS8E 10 *

M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

	Unshielded	THR Straight	M12L-02PMMP-EE0001	M12L-02PFFP-EE0001
		THR Right Angle	M12L-02PMMP-EE0001*	M12L-02PFFR-EE0001*
	Shielded	SMD Straight	-	-
		THR Straight	MSLS-02PMMP-EE0001*	MSLS-02PFFP-EE0001*
		THR Right Angle	MSLS-02PMMP-EE0001*	MSLS-02PFFR-EE0001*
		SMD Straight	-	-

M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

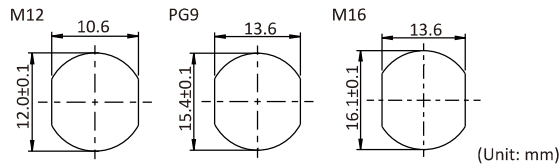
	Front Fastened, THR Male	APPM-AAAMA012-003
	Front Fastened, SMD Male	-
	Front Fastened, THR Female	APPM-AAFA012-003
	Front Fastened, SMD Female	-
	Rear Fastened, THR Male	-
	Rear Fastened, SMD Male	-
	Rear Fastened, THR Female	-
	Rear Fastened, SMD Female	-

* Upon Request

M12 T-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

Panel Cut-Out



Number of Contacts	2
Coding	T
Rated Voltage (AC/DC)	63V
Nominal current	12A
Pin Assignment	MM FF
MM : Male Connector Male Contact FF : Female Connector Female Contact ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND	

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, **REAR** Fastened Nut
 ⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5			
(K, L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF) 	Plastic	MSTP-02PMMS-SH8C ⑩*	MSTP-02PFFS-SH8C ⑩*
	Metal Nut	M12T-02PMMS-SH8C ⑩*	M12T-02PFFS-SH8C ⑩*
(T code, Plastic/Metal/Shielded/Stainless) 	Shielded	MSTS-02PMMS-SH8C ⑩*	MSTS-02PFFS-SH8C ⑩*
	Stainless	SM12T-02PMMS-SH8C ⑩*	SM12T-02PFFS-SH8C ⑩*
	Stainless Shielded	SMSTS-02PMMS-SH8C ⑩*	SMSTS-02PFFS-SH8C ⑩*

M12 Bulkhead / Receptacle With UL PVC Wires, 25mm **SQUARE** Flange with 4 x M3 Mounting Holes Screws
 ⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

(Male) (Female) 	Shielded	MSTS-02PMMS-SS8E ⑩*	MSTS-02PFFS-SS8E ⑩*
	Stainless	SM12T-02PMMS-SS8E ⑩*	SM12T-02PFFS-SS8E ⑩*
	Stainless Shielded	SMSTS-02PMMS-SS8E ⑩*	SMSTS-02PFFS-SS8E ⑩*

M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

Male (Unshielded) Female (Unshielded) 	Unshielded	THR Straight	M12T-02PMMP-EE0001	M12T-02PFFP-EE0001
		THR Right Angle	M12T-02PMMR-EE0001*	M12T-02PFFR-EE0001*
Male (Shielded) Female (Shielded) 	Shielded	SMD Straight	M12T-02PMMT-EE0001*	M12T-02PFFT-EE0001*
		THR Straight	MSTS-02PMMP-EE0001*	MSTS-02PFFP-EE0001*
		THR Right Angle	MSTS-02PMMR-EE0001*	MSTS-02PFFR-EE0001*
		SMD Straight	MSTS-02PMMT-EE0001*	MSTS-02PFFT-EE0001*


M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

APPM-AAAMA012-001 APPM-AAAMA012-002 APPM-AAAMA012-003 	Front Fastened, THR Male	APPM-AAAMA012-006
	Front Fastened, SMD Male	APPM-AAAMA012-001
	Front Fastened, THR Female	APPM-AAFA012-014
	Front Fastened, SMD Female	APPM-AAFA012-001
APPM-AAFA012-001 APPM-AAFA012-002 APPM-AAFA012-003 APPM-AAFA012-014 	Rear Fastened, THR Male	-
	Rear Fastened, SMD Male	APPM-AAAMA012-002
	Rear Fastened, THR Female	APPM-AAFA012-013
	Rear Fastened, SMD Female	APPM-AAFA012-002

* Upon Request

M12 K, L, M-Code

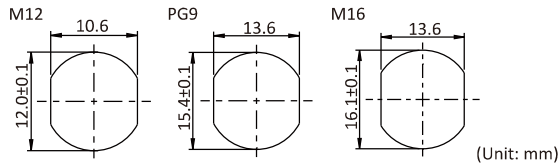
Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

3 (2+PE)		3 (2+PE)		3 (2+FE)	
K		M		L	
630V		630V		63V	
16A		8A		16A	
Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground
					
MSKP-03PMES-SH8C 	MSKP-03PFDS-SH8C 	MSMP-03PMES-SH8C 	MSMP-03PFDS-SH8C 	MSLP-03PMES-SH8C 	MSLP-03PFDS-SH8C 
M12K-03PMES-SH8C 	M12K-03PFDS-SH8C 	M12M-03PMES-SH8C 	M12M-03PFDS-SH8C 	M12L-03PMES-SH8C 	M12L-03PFDS-SH8C 
MSKS-03PMES-SH8C 	MSKS-03PFDS-SH8C 	MSMS-03PMES-SH8C 	MSMS-03PFDS-SH8C 	MSLS-03PMES-SH8C 	MSLS-03PFDS-SH8C 
SM12K-03PMES-SH8C 	SM12K-03PFDS-SH8C 	SM12M-03PMES-SH8C 	SM12M-03PFDS-SH8C 	SM12L-03PMES-SH8C 	SM12L-03PFDS-SH8C 
SMSKS-03PMES-SH8C 	SMSKS-03PFDS-SH8C 	SMSMS-03PMES-SH8C 	SMSMS-03PFDS-SH8C 	SMSLS-03PMES-SH8C 	SMSLS-03PFDS-SH8C 
MSKS-03PMES-SS8E 	MSKS-03PFDS-SS8E 	MSMS-03PMES-SS8E 	MSMS-03PFDS-SS8E 	MSLS-03PMES-SS8E 	MSLS-03PFDS-SS8E 
SM12K-03PMES-SS8E 	SM12K-03PFDS-SS8E 	SM12M-03PMES-SS8E 	SM12M-03PFDS-SS8E 	SM12L-03PMES-SS8E 	SM12L-03PFDS-SS8E 
SMSKS-03PMES-SS8E 	SMSKS-03PFDS-SS8E 	SMSMS-03PMES-SS8E 	SMSMS-03PFDS-SS8E 	SMSLS-03PMES-SS8E 	SMSLS-03PFDS-SS8E 
M12K-03PMEP-EE0001*	M12K-03PFDP-EE0001*	M12M-03PMEP-EE0001*	M12M-03PFDP-EE0001*	M12L-03PMEP-EE0001*	M12L-03PFDP-EE0001*
M12K-03PMER-EE0001*	M12K-03PFDR-EE0001*	M12M-03PMER-EE0001*	M12M-03PFDR-EE0001*	M12L-03PMER-EE0001*	M12L-03PFDR-EE0001*
-	-	M12M-03PMMT-EE0001*	M12M-03PFFT-EE0001*	-	-
MSKS-03PMEP-EE0001*	MSKS-03PFDP-EE0001*	MSMS-03PMEP-EE0001*	MSMS-03PFDP-EE0001*	MSLS-03PMEP-EE0001*	MSLS-03PFDP-EE0001*
MSKS-03PMER-EE0001*	MSKS-03PFDR-EE0001*	MSMS-03PMER-EE0001*	MSMS-03PFDR-EE0001*	MSLS-03PMER-EE0001*	MSLS-03PFDR-EE0001*
-	-	MSMS-03PMMT-EE0001*	MSMS-03PFFT-EE0001*	-	-
APPM-AAAMA012-003	APPM-AAAMA012-003	APPM-AAAMA012-003	APPM-AAAMA012-003	APPM-AAAMA012-003	APPM-AAAMA012-003
-	-	-	-	-	-
APPM-AAFA012-003	APPM-AAFA012-003	APPM-AAFA012-003	APPM-AAFA012-003	APPM-AAFA012-003	APPM-AAFA012-003
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

M12 L-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

Panel Cut-Out



Number of Contacts	3	
Coding	L	
Rated Voltage (AC/DC)	63V	
Nominal current	16A	
Pin Assignment	MM	FF
MM : Male Connector Male Contact FF : Female Connector Female Contact ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, REAR Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5

(K, L code, Plastic/Metal/Shielded/Stainless) (MM) M16*1.5 (FF) M16*1.5 (S, T code, Plastic/Metal/Shielded/Stainless) M16*1.5 M16*1.5	Plastic	MSLP-03PMMS-SH8C ⑩*	MSLP-03PFFS-SH8C ⑩*
	Metal Nut	M12L-03PMMS-SH8C ⑩*	M12L-03PFFS-SH8C ⑩*
	Shielded	MSLS-03PMMS-SH8C ⑩*	MSLS-03PFFS-SH8C ⑩*
	Stainless	SM12L-03PMMS-SH8C ⑩*	SM12L-03PFFS-SH8C ⑩*
	Stainless Shielded	SMSLS-03PMMS-SH8C ⑩*	SMSLS-03PFFS-SH8C ⑩*

M12 Bulkhead / Receptacle With UL PVC Wires, 25mm SQUARE Flange with 4 x M3 Mounting Holes Screws

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

(Male) M12*1.0 (Female)	Shielded	MSLS-03PMMS-SS8E ⑩*	MSLS-03PFFS-SS8E ⑩*
	Stainless	SM12L-03PMMS-SS8E ⑩*	SM12L-03PFFS-SS8E ⑩*
	Stainless Shielded	SMSLS-03PMMS-SS8E ⑩*	SMSLS-03PFFS-SS8E ⑩*

M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

Male (Unshielded) 22.8 Female (Unshielded) 19.4 Male (Shielded) 22.8 Female (Shielded) 19.4	Unshielded	THR Straight	M12L-03PMMP-EE0001*	M12L-03PFFP-EE0001*
		THR Right Angle	M12L-03PMMR-EE0001*	M12L-03PFFR-EE0001*
		SMD Straight	-	-
	Shielded	THR Straight	MSLS-03PMMP-EE0001*	MSLS-03PFFP-EE0001*
		THR Right Angle	MSLS-03PMMR-EE0001*	MSLS-03PFFR-EE0001*
		SMD Straight	-	-


M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

APPM-AAAMA012-001 M15*1.0 APPM-AAAMA012-002 M12*1.0 APPM-AAAMA012-003 M12*1.0	Front Fastened, THR Male	APPM-AAAMA012-003
	Front Fastened, SMD Male	-
	Front Fastened, THR Female	APPM-AAFA012-003
	Front Fastened, SMD Female	-
APPM-AAFA012-001 M15*1.0 APPM-AAFA012-002 M12*1.0 APPM-AAFA012-003 M12*1.0 APPM-AAFA012-014 M15*1.0	Rear Fastened, THR Male	-
	Rear Fastened, SMD Male	-
	Rear Fastened, THR Female	-
	Rear Fastened, SMD Female	-

* Upon Request

M12 K, S, T-Code

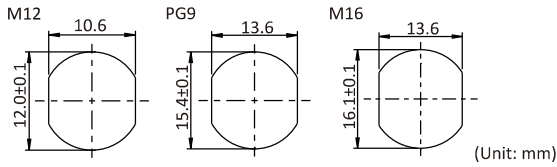
Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

3 (2+PE)		3		4 (3+PE)	
S		T		K	
630V		63V		630V	
12A		12A		16A	
MM	FF	MM	FF	Male Power / Female Ground	Female Power / Male Ground
					
MSSP-03PMMS-SH8C ^{10*}	MSSP-03PFFS-SH8C ^{10*}	MSTP-03PMMS-SH8C ^{10*}	MSTP-03PFFS-SH8C ^{10*}	MSKP-04PMES-SH8C ^{10*}	MSKP-04PFDS-SH8C ^{10*}
M12S-03PMMS-SH8C ^{10*}	M12S-03PFFS-SH8C ^{10*}	M12T-03PMMS-SH8C ^{10*}	M12T-03PFFS-SH8C ^{10*}	M12K-04PMES-SH8C ^{10*}	M12K-04PFDS-SH8C ^{10*}
MSSS-03PMMS-SH8C ^{10*}	MSSS-03PFFS-SH8C ^{10*}	MSTS-03PMMS-SH8C ^{10*}	MSTS-03PFFS-SH8C ^{10*}	MSKS-04PMES-SH8C ^{10*}	MSKS-04PFDS-SH8C ^{10*}
SM12S-03PMMS-SH8C ^{10*}	SM12S-03PFFS-SH8C ^{10*}	SM12T-03PMMS-SH8C ^{10*}	SM12T-03PFFS-SH8C ^{10*}	SM12K-04PMES-SH8C ^{10*}	SM12K-04PFDS-SH8C ^{10*}
SMSSS-03PMMS-SH8C ^{10*}	SMSSS-03PFFS-SH8C ^{10*}	SMSTS-03PMMS-SH8C ^{10*}	SMSTS-03PFFS-SH8C ^{10*}	SMSKS-04PMES-SH8C ^{10*}	SMSKS-04PFDS-SH8C ^{10*}
MSSS-03PMMS-SS8E ^{10*}	MSSS-03PFFS-SS8E ^{10*}	MSTS-03PMMS-SS8E ^{10*}	MSTS-03PFFS-SS8E ^{10*}	MSKS-04PME S-SS8E ^{10*}	MSKS-04PFDS-SS8E ^{10*}
SM12S-03PMMS-SS8E ^{10*}	SM12S-03PFFS-SS8E ^{10*}	SM12T-03PMMS-SS8E ^{10*}	SM12T-03PFFS-SS8E ^{10*}	SM12K-04PME S-SS8E ^{10*}	SM12K-04PFDS-SS8E ^{10*}
SMSSS-03PMMS-SS8E ^{10*}	SMSSS-03PFFS-SS8E ^{10*}	SMSTS-03PMMS-SS8E ^{10*}	SMSTS-03PFFS-SS8E ^{10*}	SMSKS-04PME S-SS8E ^{10*}	SMSKS-04PFDS-SS8E ^{10*}
M12S-03PMMP-EE0001*	M12S-03PFFP-EE0001*	M12T-03PMMP-EE0001*	M12T-03PFFP-EE0001*	M12K-04PMEP-EE0001*	M12K-04PFDP-EE0001*
M12S-03PMMR-EE0001*	M12S-03PFFR-EE0001*	M12T-03PMMR-EE0001*	M12T-03PFFR-EE0001*	M12K-04PMER-EE0001*	M12K-04PFDR-EE0001*
-	-	M12T-03PMMT-EE0001*	M12T-03PFFT-EE0001*	-	-
MSSS-03PMMP-EE0001*	MSSS-03PFFP-EE0001*	MSTS-03PMMP-EE0001*	MSTS-03PFFP-EE0001*	MSKS-04PMEP-EE0001*	MSKS-04PFDP-EE0001*
MSSS-03PMMR-EE0001*	MSSS-03PFFR-EE0001*	MSTS-03PMMR-EE0001*	MSTS-03PFFR-EE0001*	MSKS-04PMER-EE0001*	MSKS-04PFDR-EE0001*
-	-	MSTS-03PMMT-EE0001*	MSTS-03PFFT-EE0001*	-	-
APPM-AAAMA012-006	APPM-AAAMA012-006	APPM-AAAMA012-003			
-	APPM-AAAMA012-001	-			
APPM-AAFA012-014	APPM-AAFA012-014	APPM-AAFA012-003			
-	APPM-AAFA012-001	-			
-	-	-			
-	APPM-AAAMA012-002	-			
APPM-AAFA012-013	APPM-AAFA012-013	-			
-	APPM-AAFA012-002	-			

M12 M-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

Panel Cut-Out



Number of Contacts	4 (3+PE)	
Coding	M	
Rated Voltage (AC/DC)	630V	
Nominal current	8A	
Pin Assignment	Male Power / Female Ground	Female Power / Male Ground
MM : Male Connector Male Contact FF : Female Connector Female Contact ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, **REAR** Fastened Nut
 ⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5			
(L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF) (S code, Plastic/Metal/Shielded/Stainless) 	Plastic	MSMP-04PMES-SH8C ⑩*	MSMP-04PFDS-SH8C ⑩*
	Metal Nut	M12M-04PMES-SH8C ⑩*	M12M-04PFDS-SH8C ⑩*
	Shielded	MSMS-04PMES-SH8C ⑩*	MSMS-04PFDS-SH8C ⑩*
	Stainless	SM12M-04PMES-SH8C ⑩*	SM12M-04PFDS-SH8C ⑩*
	Stainless Shielded	SMSMS-04PMES-SH8C ⑩*	SMSMS-04PFDS-SH8C ⑩*

M12 Bulkhead / Receptacle With UL PVC Wires, 25mm **SQUARE** Flange with 4 x M3 Mounting Holes Screws
 ⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

(Male) (Female)	Shielded	MSMS-04PMES-SS8E ⑩*	MSMS-04PFDS-SS8E ⑩*
	Stainless	SM12M-04PMES-SS8E ⑩*	SM12M-04PFDS-SS8E ⑩*
	Stainless Shielded	SMSMS-04PMES-SS8E ⑩*	SMSMS-04PFDS-SS8E ⑩*

M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

Male (Unshielded) Female (Unshielded) Male (Shielded) Female (Shielded)	Unshielded	THR Straight	M12M-04PMEP-EE0001*	M12M-04PFDP-EE0001*
		THR Right Angle	M12M-04PMER-EE0001*	M12M-04PFDR-EE0001*
		SMD Straight	M12M-04PMMT-EE0001*	M12M-04PFFT-EE0001*
	Shielded	THR Straight	MSMS-04PMEP-EE0001*	MSMS-04PFDP-EE0001*
		THR Right Angle	MSMS-04PMER-EE0001*	MSMS-04PFDR-EE0001*
		SMD Straight	MSMS-04PMMT-EE0001*	MSMS-04PFFT-EE0001*

M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

APPM-AAAMA012-003 APPM-AAFA012-003 APPM-AAFA012-014	Front Fastened, THR Male	APPM-AAAMA012-003
	Front Fastened, SMD Male	-
	Front Fastened, THR Female	APPM-AAFA012-003
	Front Fastened, SMD Female	-
	Rear Fastened, THR Male	-
	Rear Fastened, SMD Male	-
	Rear Fastened, THR Female	-
	Rear Fastened, SMD Female	-

* Upon Request

M12 L & S-Code

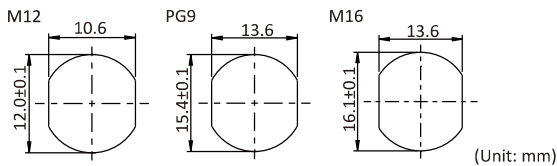
Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

4 (3+FE)		4		4 (3+PE)	
L		L		S	
63V		63V		630V	
12A		16A		12A	
Male Power / Female Ground	Female Power / Male Ground	MM	FF	MM	FF
MSLP-04PMES-SH8C ^{10*}	MSLP-04PFDS-SH8C ^{10*}	MSLP-04PMMS-SH8C ^{10*}	MSLP-04PFFS-SH8C ^{10*}	MSSP-04PMMS-SH8C ^{10*}	MSSP-04PFFS-SH8C ^{10*}
M12L-04PMES-SH8C ^{10*}	M12L-04PFDS-SH8C ^{10*}	M12L-04PMMS-SH8C ^{10*}	M12L-04PFFS-SH8C ^{10*}	M12S-04PMMS-SH8C ^{10*}	M12S-04PFFS-SH8C ^{10*}
MSLS-04PMES-SH8C ^{10*}	MSLS-04PFDS-SH8C ^{10*}	MSLS-04PMMS-SH8C ^{10*}	MSLS-04PFFS-SH8C ^{10*}	MSSS-04PMMS-SH8C ^{10*}	MSSS-04PFFS-SH8C ^{10*}
SM12L-04PMES-SH8C ^{10*}	SM12L-04PFDS-SH8C ^{10*}	SM12L-04PMMS-SH8C ^{10*}	SM12L-04PFFS-SH8C ^{10*}	SM12S-04PMMS-SH8C ^{10*}	SM12S-04PFFS-SH8C ^{10*}
SMSLS-04PMES-SH8C ^{10*}	SMSLS-04PFDS-SH8C ^{10*}	SMSLS-04PMMS-SH8C ^{10*}	SMSLS-04PFFS-SH8C ^{10*}	SMSSS-04PMMS-SH8C ^{10*}	SMSSS-04PFFS-SH8C ^{10*}
MSLS-04PMES-SS8E ^{10*}	MSLS-04PFDS-SS8E ^{10*}	MSLS-04PMMS-SS8E ^{10*}	MSLS-04PFFS-SS8E ^{10*}	MSSS-04PMMS-SS8E ^{10*}	MSSS-04PFFS-SS8E ^{10*}
SM12L-04PMES-SS8E ^{10*}	SM12L-04PFDS-SS8E ^{10*}	SM12L-04PMMS-SS8E ^{10*}	SM12L-04PFFS-SS8E ^{10*}	SM12S-04PMMS-SS8E ^{10*}	SM12S-04PFFS-SS8E ^{10*}
SMSLS-04PMES-SS8E ^{10*}	SMSLS-04PFDS-SS8E ^{10*}	SMSLS-04PMMS-SS8E ^{10*}	SMSLS-04PFFS-SS8E ^{10*}	SMSSS-04PMMS-SS8E ^{10*}	SMSSS-04PFFS-SS8E ^{10*}
M12L-04PMEP-EE0001*	M12L-04PFDP-EE0001*	M12L-04PMMP-EE0001*	M12L-04PFFP-EE0001*	M12S-04PMMP-EE0001	M12S-04PFFP-EE0001*
M12L-04PMER-EE0001*	M12L-04PFDR-EE0001*	M12L-04PMMR-EE0001*	M12L-04PFFR-EE0001*	M12S-04PMMR-EE0001*	M12S-04PFFR-EE0001*
-	-	-	-	-	-
MSLS-04PMEP-EE0001*	MSLS-04PFDP-EE0001*	MSLS-04PMMP-EE0001*	MSLS-04PFFP-EE0001*	MSSS-04PMMP-EE0001*	MSSS-04PFFP-EE0001*
MSLS-04PMER-EE0001*	MSLS-04PFDR-EE0001*	MSLS-04PMMR-EE0001*	MSLS-04PFFR-EE0001*	MSSS-04PMMR-EE0001*	MSSS-04PFFR-EE0001*
-	-	-	-	-	-
APPM-AAAMA012-003	APPM-AAAMA012-003		APPM-AAAMA012-006		
-	-		-		
APPM-AAFA012-003	APPM-AAFA012-003		APPM-AAFA012-014		
-	-		-		
-	-		-		
-	-		-		
-	-		APPM-AAFA012-013		
-	-		-		

M12 T-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

Panel Cut-Out



Number of Contacts	4	
Coding	T	
Rated Voltage (AC/DC)	63V	
Nominal current	12A	
Pin Assignment	MM	FF
MM : Male Connector Male Contact FF : Female Connector Female Contact ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, REAR Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5

(K, L, M code, Plastic/Metal/Shielded/Stainless) (MM) (FF) (T code, Plastic/Metal/Shielded/Stainless) 	Plastic	MSTP-04PMMS-SH8C ⑩*	MSTP-04PFFS-SH8C ⑩*
	Metal Nut	M12T-04PMMS-SH8C ⑩	M12T-04PFFS-SH8C ⑩
	Shielded	MSTS-04PMMS-SH8C ⑩*	MSTS-04PFFS-SH8C ⑩*
	Stainless	SM12T-04PMMS-SH8C ⑩*	SM12T-04PFFS-SH8C ⑩*
	Stainless Shielded	SMSTS-04PMMS-SH8C ⑩*	SMSTS-04PFFS-SH8C ⑩*

M12 Bulkhead / Receptacle With UL PVC Wires, 25mm SQUARE Flange with 4 x M3 Mounting Holes Screws

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

(Male) (Female)	Shielded	MSTS-04PMMS-SS8E ⑩*	MSTS-04PFFS-SS8E ⑩*
	Stainless	SM12T-04PMMS-SS8E ⑩*	SM12T-04PFFS-SS8E ⑩*
	Stainless Shielded	SMSTS-04PMMS-SS8E ⑩*	SMSTS-04PFFS-SS8E ⑩*

M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

Male (Unshielded) Female (Unshielded) Male (Shielded) Female (Shielded)	Unshielded	THR Straight	M12T-04PMMP-EE0001*	M12T-04PFFP-EE0001*
		THR Right Angle	M12T-04PMMR-EE0001*	M12T-04PFFR-EE0001*
		SMD Straight	M12T-04PMMT-EE0001*	M12T-04PFFT-EE0001*
	Shielded	THR Straight	MSTS-04PMMP-EE0001*	MSTS-04PFFP-EE0001*
		THR Right Angle	MSTS-04PMMR-EE0001*	MSTS-04PFFR-EE0001*
		SMD Straight	MSTS-04PMMT-EE0001*	MSTS-04PFFT-EE0001*

M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

APPM-AAAMA012-001 APPM-AAAMA012-002 APPM-AAAMA012-003	Front Fastened, THR Male	APPM-AAAMA012-006
	Front Fastened, SMD Male	APPM-AAAMA012-001
	Front Fastened, THR Female	APPM-AAFA012-014
	Front Fastened, SMD Female	APPM-AAFA012-001
APPM-AAFA012-001 APPM-AAFA012-002 APPM-AAFA012-003 APPM-AAFA012-014	Rear Fastened, THR Male	-
	Rear Fastened, SMD Male	APPM-AAAMA012-002
	Rear Fastened, THR Female	APPM-AAFA012-013
	Rear Fastened, SMD Female	APPM-AAFA012-002

* Upon Request

M12 K, L, M-Code

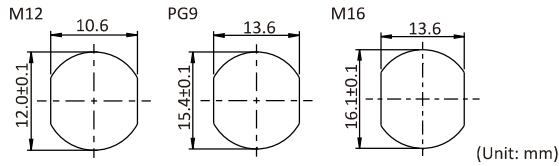
Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

5 (4+PE)		5 (4+PE)		5 (4+FE)	
K		M		L	
630V		630V		63V	
16A		8A		16A	
Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground	Male Power / Female Ground	Female Power / Male Ground
MSKP-05PMES-SH8C10*	MSKP-05PFDS-SH8C10*	MSMP-05PMES-SH8C10*	MSMP-05PFDS-SH8C10*	MSLP-05PMES-SH8C10*	MSLP-05PFDS-SH8C10*
M12K-05PMES-SH8C10*	M12K-05PFDS-SH8C10*	M12M-05PMES-SH8C10*	M12M-05PFDS-SH8C10*	M12L-05PMES-SH8C10*	M12L-05PFDS-SH8C10*
MSKS-05PMES-SH8C10*	MSKS-05PFDS-SH8C10*	MSMS-05PMES-SH8C10*	MSMS-05PFDS-SH8C10*	MSLS-05PMES-SH8C10*	MSLS-05PFDS-SH8C10*
SM12K-05PMES-SH8C10*	SM12K-05PFDS-SH8C10*	SM12M-05PMES-SH8C10*	SM12M-05PFDS-SH8C10*	SM12L-05PMES-SH8C10*	SM12L-05PFDS-SH8C10*
SMSKS-05PMES-SH8C10*	SMSKS-05PFDS-SH8C10*	SMSMS-05PMES-SH8C10*	SMSMS-05PFDS-SH8C10*	SMSLS-05PMES-SH8C10*	SMSLS-05PFDS-SH8C10*
MSKS-05PMES-SS8E10*	MSKS-05PFDS-SS8E10*	MSMS-05PMES-SS8E10*	MSMS-05PFDS-SS8E10*	MSLS-05PMES-SS8E10*	MSLS-05PFDS-SS8E10*
SM12K-05PMES-SS8E10*	SM12K-05PFDS-SS8E10*	SM12M-05PMES-SS8E10*	SM12M-05PFDS-SS8E10*	SM12L-05PMES-SS8E10*	SM12L-05PFDS-SS8E10*
SMSKS-05PMES-SS8E10*	SMSKS-05PFDS-SS8E10*	SMSMS-05PMES-SS8E10*	SMSMS-05PFDS-SS8E10*	SMSLS-05PMES-SS8E10*	SMSLS-05PFDS-SS8E10*
M12K-05PMEP-EE0001	M12K-05PFDP-EE0001*	M12M-05PMEP-EE0001*	M12M-05PFDP-EE0001*	M12L-05PMEP-EE0001*	M12L-05PFDP-EE0001
M12K-05PMER-EE0001*	M12K-05PFDR-EE0001*	M12M-05PMER-EE0001*	M12M-05PFDR-EE0001*	M12L-05PMER-EE0001*	M12L-05PFDR-EE0001*
-	-	M12M-05PMMT-EE0001*	M12M-05PFFT-EE0001*	-	-
MSKS-05PMEP-EE0001*	MSKS-05PFDP-EE0001*	MSMS-05PMEP-EE0001*	MSMS-05PFDP-EE0001*	MSLS-05PMEP-EE0001*	MSLS-05PFDP-EE0001*
MSKS-05PMER-EE0001*	MSKS-05PFDR-EE0001*	MSMS-05PMER-EE0001*	MSMS-05PFDR-EE0001*	MSLS-05PMER-EE0001*	MSLS-05PFDR-EE0001*
-	-	MSMS-05PMMT-EE0001*	MSMS-05PFFT-EE0001*	-	-
APPM-AAAMA012-003	APPM-AAAMA012-003	APPM-AAAMA012-003	APPM-AAAMA012-003	APPM-AAAMA012-003	APPM-AAAMA012-003
-	-	-	-	-	-
APPM-AAFA012-003	APPM-AAFA012-003	APPM-AAFA012-003	APPM-AAFA012-003	APPM-AAFA012-003	APPM-AAFA012-003
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

M12 M-Code

Bulkhead / Receptacle With Wires, Hexagonal Flange, Rear Fastened & Square Flange, Two-Piece THR & SMD

Panel Cut-Out



Number of Contacts	6 (5+PE)	
Coding	M	
Rated Voltage (AC/DC)	630V	
Nominal current	8A	
Pin Assignment	Male Power / Female Ground	Female Power / Male Ground
ME : Male Connector Male PWD + Female GND FD : Female Connector Female PWD + Male GND		

M12 Bulkhead / Receptacle With UL PVC Wires, Hexagonal Flange, **REAR** Fastened Nut
 ⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

M16 x 1.5			
(Plastic/Metal/Shielded/Stainless) (MM) (FF) 	Plastic	MSMP-06PMES-SH8C⑩*	MSMP-06PFDS-SH8C⑩*
	Metal Nut	M12M-06PMES-SH8C⑩*	M12M-06PFDS-SH8C⑩*
	Shielded	MSMS-06PMES-SH8C⑩*	MSMS-06PFDS-SH8C⑩*
	Stainless	SM12M-06PMES-SH8C⑩*	SM12M-06PFDS-SH8C⑩*
	Stainless Shielded	SMSMS-06PMES-SH8C⑩*	SMSMS-06PFDS-SH8C⑩*

M12 Bulkhead / Receptacle With UL PVC Wires, 25mm **SQUARE** Flange with 4 x M3 Mounting Holes Screws
 ⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) | Standard Lengths: (25) 250mm and (50) 500mm

(Male) (Female) 	Shielded	MSMS-06PMES-SS8E⑩*	MSMS-06PFDS-SS8E⑩*
	Stainless	SM12M-06PMES-SS8E⑩*	SM12M-06PFDS-SS8E⑩*
	Stainless Shielded	SMSMS-06PMES-SS8E⑩*	SMSMS-06PFDS-SS8E⑩*

M12 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

Male (Unshielded) Female (Unshielded) Male (Shielded) Female (Shielded) 	Unshielded	THR Straight	M12M-06PMEP-EE0001*	M12M-06PFDP-EE0001*
		THR Right Angle	M12M-06PMER-EE0001*	M12M-06PFDR-EE0001*
		SMD Straight	M12M-06PMMT-EE0001*	M12M-06PFFT-EE0001*
	Shielded	THR Straight	MSMS-06PMEP-EE0001*	MSMS-06PFDP-EE0001*
		THR Right Angle	MSMS-06PMER-EE0001*	MSMS-06PFDR-EE0001*
		SMD Straight	MSMS-06PMMT-EE0001*	MSMS-06PFFT-EE0001*

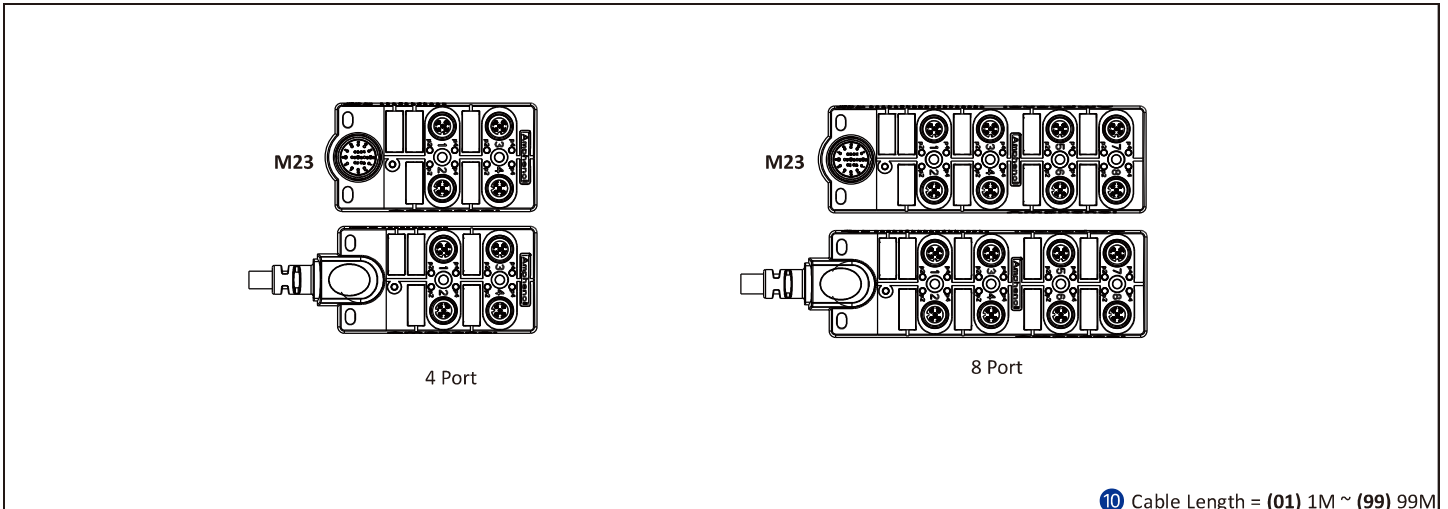
M12 Two-piece, Housing Screw Connections For Through Hole Reflow (THR) And SMD Contact Carriers

APPM-AAAMA012-003 APPM-AAFA012-003 	Front Fastened, THR Male	APPM-AAAMA012-003
	Front Fastened, SMD Male	-
	Front Fastened, THR Female	APPM-AAFA012-003
	Front Fastened, SMD Female	-
	Rear Fastened, THR Male	-
	Rear Fastened, SMD Male	-
	Rear Fastened, THR Female	-
	Rear Fastened, SMD Female	-

* Upon Request

Accessories

Distribution Box

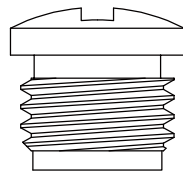


10 Cable Length = (01) 1M ~ (99) 99M

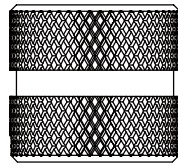
Coding	Nominal Current	No. of Contacts	Port	M12	
				Without Cable	With Cable
A	4A	05	4	DB12-5A4M23-DPS7001	DB12-5A4CAB-DPS7B 10
			8	DB12-5A8M23-DPS7001	DB12-5A8CAB-DPS7B 10

* Upon Request

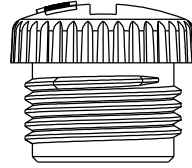
Waterproof Cap



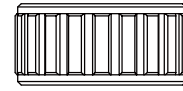
M8 (For Female)



M10.5 (For Male)



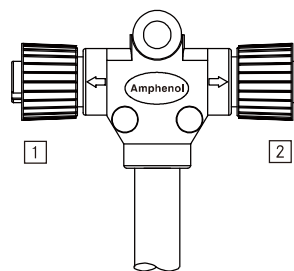
M12 (For Female)



M23 (For Male)

Size	Mating Pair	Mating Gender	Material	Attachment	Screw Thread
M8	Overmolded with Cable	Female	Plastic	With Lead	CAP-WBBFSPC1
		Female	Plastic	Cap Only	CAP-WBBFSMA1
	Receptacle and Overmolded with Cable	Male	Plastic	Cap Only	CAP-WBBMSMA1
		Female	Plastic	Cap Only	CAP-WBBFSMA1
M10.5	Receptacle and Overmolded with Cable	Male	Metal	Cap Only	CAP-WBCMSMA2
M12 A / B / D / I K / L / S / T / X	Receptacle	Male	Metal	With Chain	CAP-WBDMSPB2
		Male	Plastic	With Lead	CAP-WBDMQPC1
		Female	Metal	With Chain	CAP-WBDFSPB1
		Female	Metal	With Lead	CAP-WBDFSPC1
	Receptacle and Overmolded with Cable	Male	Plastic	Cap Only	CAP-WBDMMSMA1
		Male	Metal	Cap Only	CAP-WBDMMSMA2
		Female	Plastic	Cap Only	CAP-WBDFMSMA1
		Female	Metal	Cap Only	CAP-WBDFMSMA2
M23	Receptacle	Male	Metal	Cap Only	CAP-WBHMSMA1

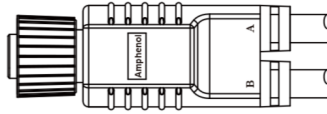
M12 T-Cable



⑩ Cable Length = (01) 1M ~ (99) 99M

Type	Type	Nominal Current	② No. of Contacts	Male To Male	Female To Female	Male To Female
Metal	A-Code	4A	03, 04, 05	SS-②②00-MM0-TSA⑩	SS-②②00-FF0-TSA⑩	SS-②②00-MF0-TSA⑩
		2A	06, 08			
	B-Code	4A	05	SB-②②00-MM0-TSA⑩	SB-②②00-FF0-TSA⑩	SB-②②00-MF0-TSA⑩
	D-Code	4A	04	SD-②②00-MM0-TSA⑩	SD-②②00-FF0-TSA⑩	SD-②②00-MF0-TSA⑩
	I-Style	4A	05	SI-②②00-KK0-TSA⑩	SI-②②00-ZZ0-TSA⑩	SI-②②00-KZ0-TSA⑩
Plastic	A-Code	4A	03, 04, 05	PS-②②00-MM0-TSA⑩	PS-②②00-FF0-TSA⑩	PS-②②00-MF0-TSA⑩
		2A	06, 08			
	B-Code	4A	05	PB-②②00-MM0-TSA⑩	PB-②②00-FF0-TSA⑩	PB-②②00-MF0-TSA⑩
	D-Code	4A	04	PD-②②00-MM0-TSA⑩	PD-②②00-FF0-TSA⑩	PD-②②00-MF0-TSA⑩
	I-Style	4A	05	PI-②②00-KK0-TSA⑩	PI-②②00-ZZ0-TSA⑩	PI-②②00-KZ0-TSA⑩

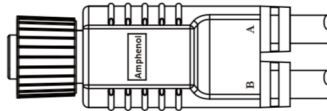
M12 Y-Cable Plastic



10 Cable Length = (01) 1M ~ (99) 99M

Type	Nominal Current	2 No. of Contacts	Male	Female
A-Code	4A	03, 04, 05	PS-2 0000-M00-YSB 10*	PS-2 0000-F00-YSB 10*
	2A	06, 08		
B-Code	4A	05	PB-2 0000-M00-YSB 10*	PB-2 0000-F00-YSB 10*
D-Code	4A	04	PD-2 0000-M00-YSB 10*	PD-2 0000-F00-YSB 10*
I-Style	4A	05	PI-2 0000-K00-YSB 10*	PI-2 0000-Z00-YSB 10*
			PI-2 0000-M00-YSB 10*	PI-2 0000-F00-YSB 10*

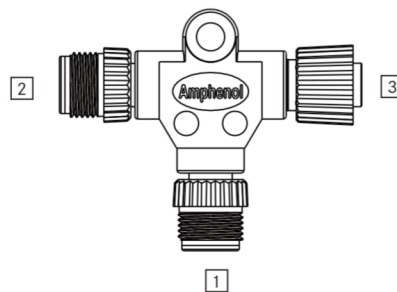
M12 Y-Cable Metal



10 Cable Length = (01) 1M ~ (99) 99M

Type	Nominal Current	2 No. of Contacts	Male	Female
A-Code	4A	03, 04, 05	SS-2 0000-M00-YSB 10	SS-2 0000-F00-YSB 10
	2A	06, 08		
B-Code	4A	05	SB-2 0000-M00-YSB 10	SB-2 0000-F00-YSB 10
D-Code	4A	04	SD-2 0000-M00-YSB 10	SD-2 0000-F00-YSB 10
I-Style	4A	05	SI-2 0000-K00-YSB 10	SI-2 0000-Z00-YSB 10
			SI-2 0000-M00-YSB 10	SI-2 0000-F00-YSB 10

M12 T-Adaptor Plastic



Choose Connector / Contact Gender:

5 For connector 1

6 For connector 2

7 For connector 3

A/B/D Code

M: Male + Male

F: Female + Female

I-Style

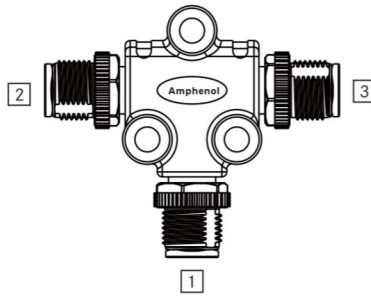
K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

Type	Nominal Current	2 No. of Contacts	Part Number
A-Code	4A	03, 04, 05	PS-2 2 2 2 - 5 6 7 -TS001
	2A	06, 08	
	1.5A	10, 12	
B-Code	4A	05	PB-2 2 2 2 - 5 6 7 -TS001*
D-Code	4A	04	PD-2 2 2 2 - 5 6 7 -TS001*
I-Style	4A	05	PI-2 2 2 2 - 5 6 7 -TS001*

* Upon Request

M12 T-Adaptor Metal



Choose Connector / Contact Gender:

- 5 For connector 1
- 6 For connector 2
- 7 For connector 3

A/B/D Code

M: Male + Male

F: Female + Female

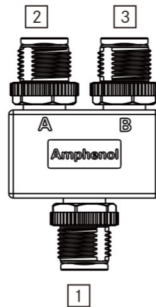
I Style

K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

Type	Nominal Current	2 No. of Contacts	Part Number
A-Code	4A	03, 04, 05	TA-A 2 5 -A 2 6 -A 2 7 -01
	2A	06, 08	
	1.5A	10, 12	
B-Code	4A	05	TA-B 2 5 -B 2 6 -B 2 7 -01*
D-Code	4A	04	TA-D 2 5 -D 2 6 -D 2 7 -01*
I-Style	4A	05	SI-050505-5 6 7 -TS001*

M12 Y-Adaptor Plastic



Choose Connector / Contact Gender:

- 5 For connector 1
- 6 For connector 2
- 7 For connector 3

A/B/D Code

M: Male + Male

F: Female + Female

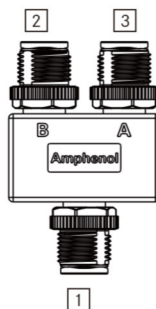
I Style

K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

Type	Nominal Current	2 No. of Contacts	Part Number
A-Code	4A	03, 04, 05	PS- 2 2 2 -5 6 7 -YS001*
	2A	06, 08	
	1.5A	10, 12	
B-Code	4A	05	PB- 2 2 2 -5 6 7 -YS001*
D-Code	4A	04	PD- 2 2 2 -5 6 7 -YS001*
I-Style	4A	05	PI-050505-5 6 7 -YS001*

M12 Y-Adaptor Metal



Choose Connector / Contact Gender:

- 5 For connector 1
- 6 For connector 2
- 7 For connector 3

A/B/D Code

M: Male + Male

F: Female + Female

I Style

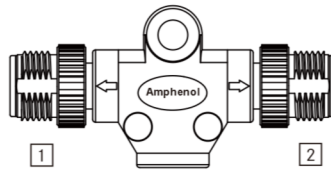
K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

Type	Nominal Current	2 No. of Contacts	Part Number
A-Code	4A	03, 04, 05	YA-A 2 5 -A 2 6 -A 2 7 -01
	2A	06, 08	
	1.5A	10, 12	
B-Code	4A	05	YA-B 2 5 -B 2 6 -B 2 7 -01
D-Code	4A	04	YA-D 2 5 -D 2 6 -D 2 7 -01*
I-Style	4A	05	SI-050505-5 6 7 -YS001

* Upon Request

M12 I-Adaptor Plastic



Choose Connector / Contact Gender:

6 For connector 1

7 For connector 2

A/B/D Code

M: Male + Male

F: Female + Female

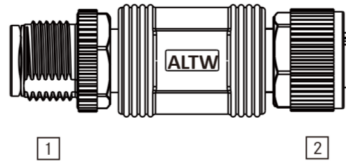
I Style

K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

Type	Nominal Current	2 No. of Contacts	Part Number
A-Code	4A	03, 04, 05	PS-00 2 2 -0 6 7 -IS001
	2A	06, 08	
	1.5A	10, 12	
B-Code	4A	05	PB-00 2 2 -0 6 7 -IS001*
D-Code	4A	04	PD-00 2 2 -0 6 7 -IS001*
I-Style	4A	05	PI-000505-0 6 7 -IS001*

M12 I-Adaptor Metal



Choose Connector / Contact Gender:

6 For connector 1

7 For connector 2

A/B/D Code

M: Male + Male

F: Female + Female

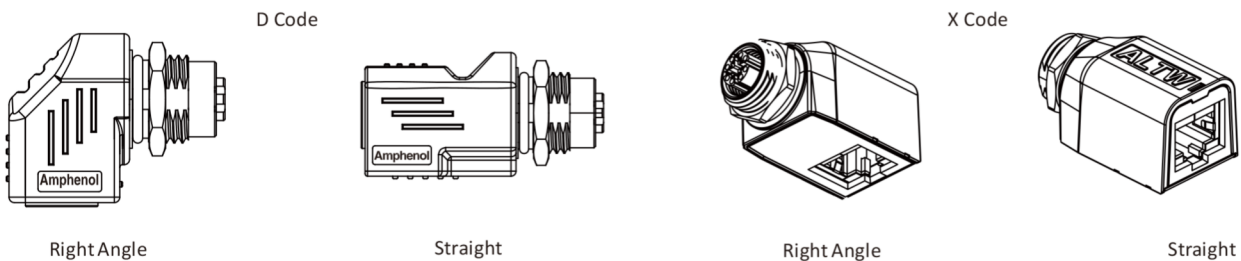
I Style

K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

Type	Nominal Current	2 No. of Contacts	Part Number
A-Code	4A	03, 04, 05	IA-A 2 5 -A 2 6 -0000-01
	2A	06, 08	
	1.5A	10, 12	
B-Code	4A	05	IA-B 2 5 -B 2 6 -0000-01*
D-Code	4A	04	IA-D 2 5 -D 2 6 -0000-01*
I-Style	4A	05	SI-000505-0 6 7 -IS001*

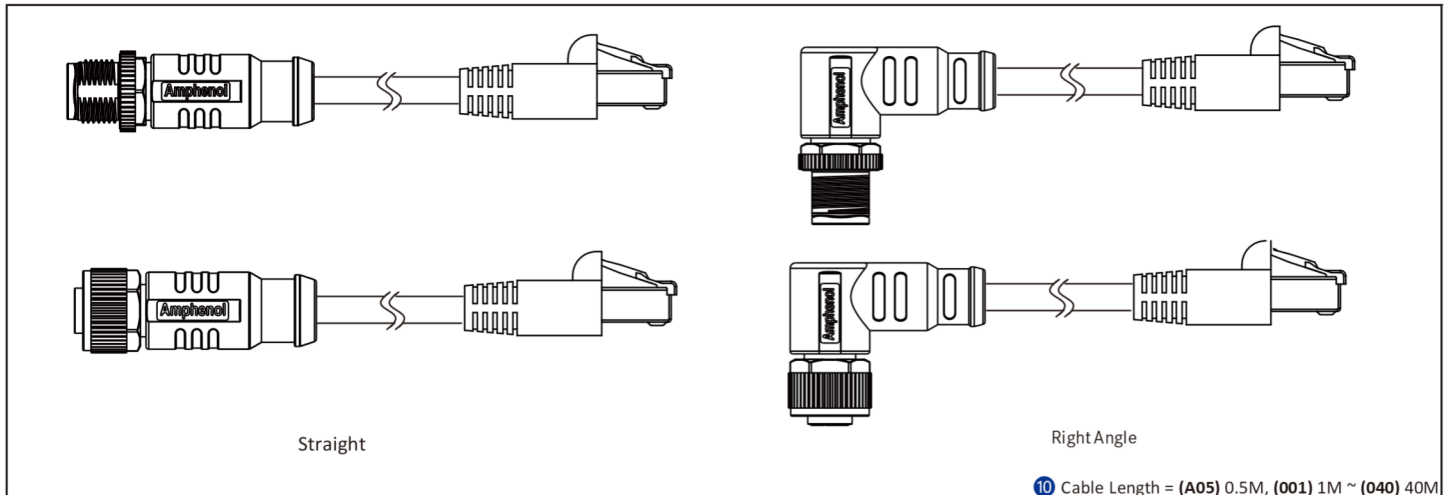
M12 To RJ45 Adaptor



Type	Nominal Current	No. of Contacts	Gender	Straight / Right Angle	Part Number
D-Code	4A	04	Female	Straight	RJS-12D04FF-LS8001
				Right Angle	RJS-12D04FF-RS8001
			Male	Straight	RJS-12D04FM-LS8001
				Right Angle	RJS-12D04FM-RS8001
X-Code	0.5A	08	Female	Straight	RJS-12X08FF-LS7001
				Right Angle	RJS-12X08FF-RS7001

* Upon Request

M12 to RJ45 Cable



Type	Nominal Current	No. of Contacts	Gender	Straight / Right Angle	Part Number
A-Code	2A	08	M (Male) / F (Female)	Straight	MSAS08 3 L-SPBML-SE 10
				Right Angle	MSAS08 3 R-SPBML-SE 10
D-Code	4A	04	M (Male) / F (Female)	Straight	MSDS04 3 L-SPBML-SE 10
				Right Angle	MSDS04 3 R-SPBML-SE 10
X-Code	0.5A	08	M (Male) / F (Female)	Straight	MSXS08 3 L-SPBML-SX 10
			M (Male)	Straight	MSXS08 3 L-SPBML-PX 10
			M (Male) / F (Female)	Right Angle	MSXS08 3 R-SPBML-SX 10

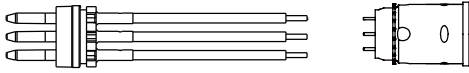
MPronto-12 Kit - Unrivaled Push-Pull Connector For Self-Assembly



	Type	No. of Contacts	Gender	Non-Shielded	Shielded
				Part Number	Part Number
Solder Type	A-Code	03	Male	APPM-A03MAPAN-AS1*	APPM-A03MAPAS-AS1*
		04	Male	APPM-A04MAPAN-AS1*	APPM-A04MAPAS-AS1*
		05	Male	APPM-A05MAPAN-AS1	APPM-A05MAPAS-AS1*
		06	Male	APPM-A06MAPAN-AS1*	APPM-A06MAPAS-AS1*
		08	Male	APPM-A08MAPAN-AS1	APPM-A08MAPAS-AS1*
		10	Male	APPM-A10MAPAN-AS1*	APPM-A10MAPAS-AS1*
		12	Male	APPM-A12MAPAN-AS1	APPM-A12MAPAS-AS1*
	17	Male	APPM-A17MAPAN-AS1	APPM-A17MAPAS-AS1*	
	B-Code	05	Male	APPM-A05MAPAN-BS1	APPM-A05MAPAS-BS1*
	D-Code	04	Male	APPM-A04MAPAN-DS1	APPM-A04MAPAS-DS1*
X-Code	08	Male	-	APPM-A08MAPAS-XS1	
Crimp Type	A-Code	03	Male	APPM-A03MAPAN-AC1*	APPM-A03MAPAS-AC1*
		04	Male	APPM-A04MAPAN-AC1*	APPM-A04MAPAS-AC1*
		05	Male	APPM-A05MAPAN-AC1*	APPM-A05MAPAS-AC1*
		06	Male	APPM-A06MAPAN-AC1*	APPM-A06MAPAS-AC1*
		08	Male	APPM-A08MAPAN-AC1*	APPM-A08MAPAS-AC1*
	B-Code	05	Male	APPM-A05MAPAN-BC1*	APPM-A05MAPAS-BC1*
	D-Code	04	Male	APPM-A04MAPAN-DC1*	APPM-A04MAPAS-DC1*
	X-Code	08	Male	-	APPM-A08MAPAS-XC1*

Customization - Upon Request

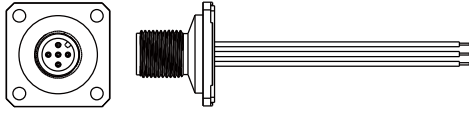
1. M8 / M12 Sensor Insert



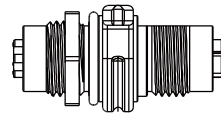
8. M8 To X-Lok



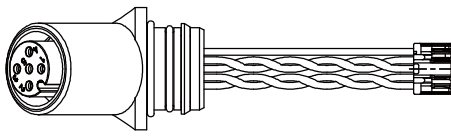
2. Square Receptacle



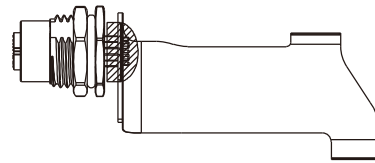
9. M12 Receptacle Feedthrough



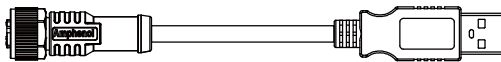
3. Metal Injection Molding



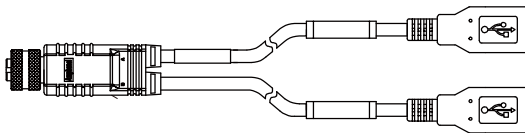
10. With FPC Termination



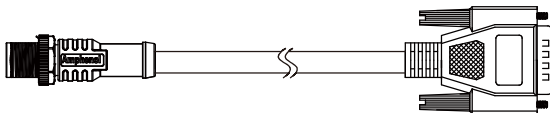
4. M12 To USB Plug



5. M12 To USB Jack Splitter



6. M12 To D-Sub



7. M12 To FLOS (FLOS+)

