



# Part Number Configurator

## PART NUMBER PLAN

SPEC Pak® Series (1 Fixed Character)	Shell Color (1 Character)	Shell Style (1 Character)	Dash	Style Size (3 Characters)	Insert Arrangement (3 Characters)
<b>S</b>	<b>K</b>	<b>1</b>	-	<b>016</b>	<b>M03</b>
S = SPEC Pak® Series	K = Black	1 = Inline Receptacle 6 = Straight Plug		016 = 16 mm	M03 = 3 Pole

## ORDERING INFORMATION

### SPEC Pak® Shell Kits Standard Pack Qty 25

APP®  
Part

Number	Description
SK1-016M03	Receptacle Shell Kit
SK6-016M03	Plug Shell Kit

### Wire Sealing Grommets (Required for IP68 Sealing)

---- APP® Part Number ----

Standard Qty 500	Packaged Qty 50	Description
114916P1	114916P1-50	24 - 20 - wire OD 0.047 - 0.075 (1.2 mm - 1.9mm) Orange
114916P2	114916P2-50	20 - 16 - wire OD 0.073 - 0.090 ( 1.86 mm - 2.4mm) Yellow
114916P3	114916P3-50	16 - 14 - wire OD 0.100 - 0.130 ( 2.5 mm - 3.2mm) Tan

NOTE:

- For IP68 sealing of custom configurations, order 1 wire seal for every 1 pin and/or socket contact that is ordered.
- Maximum wire OD not to exceed 2.7 mm (0.105").

### Wire Protection (optional)

Not Required for IP68 Sealing

Standard Qty 500	Packaged Qty 50	Wire Protection Designation	Description
2-8703P3	2-8703P3-50	PB01	Max ID 0.217 ( 5.5 mm)
2-8703P4	2-8703P4-50	PB02	Max ID 0.256 ( 6.5 mm)



### Sealing Plug (optional)

---- APP® Part Number ----

Standard Qty 500	Packaged Qty 50	Description
114916P4	114916P4-50	Sealing Plug - white



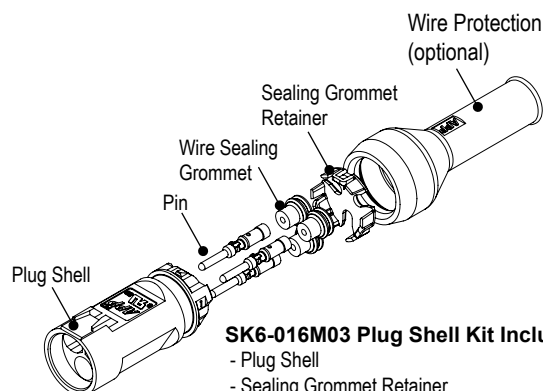
### Cover Kit

APP®

Part Number	Description
SK9-016	Receptacle Cover Kit



## EXPLODED PLUG CONNECTOR

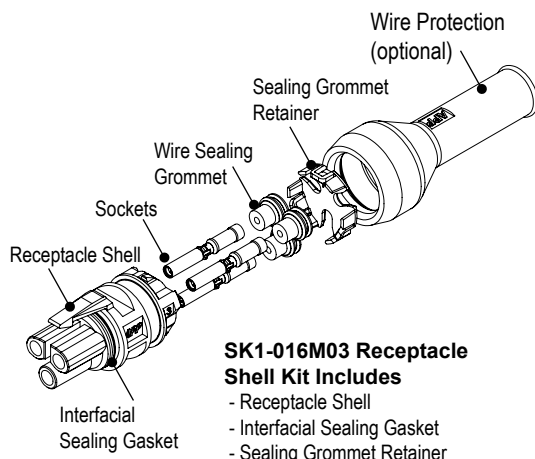


### SK6-016M03 Plug Shell Kit Includes

- Plug Shell
- Sealing Grommet Retainer

Sold Separately: Pins, Wire Sealing Grommets & Wire Protection.

## EXPLODED RECEPTACLE CONNECTOR



### SK1-016M03 Receptacle Shell Kit Includes

- Receptacle Shell
- Interfacial Sealing Gasket
- Sealing Grommet Retainer

Sold Separately: Sockets, Wire Sealing Grommets & Wire Protection.

## PART NUMBER PLAN

Wire Protection (4 Characters)	Dash	Housing Arrangement (3 Characters)	Dash	Custom Configuration (3 Characters)
<b>XXXX</b>	-	<b>XXX</b>	-	<b>A01</b>
0000 = None PB01 = Max ID 0.217 (5.5mm) PB02 = Max ID 0.256 (6.5mm)		<b>Plug</b> P00 - Custom Configuration (Pin & Wire Sealing Grommets) P41 = 3 each #16 to #14 AWG (PM16P1416S30 Pin & 114916P3 Wire Sealing Grommet) P42 = 3 each #20 to #16 AWG (PM16P1620S30 Pin & 114916P2 Wire Sealing Grommet) P43 = 3 each #24 to #20 AWG (PM16P2024S30 Pin & 114916P1 Wire Sealing Grommet)		Custom Configuration*
		<b>Receptacle</b> S00 - Custom Configuration (Socket & Wire Sealing Grommets) S41 = 3 each #16 to #14 AWG (PM16S1416S32 Socket & 114916P3 Wire Sealing Grommet) S42 = 3 each #20 to #16 AWG (PM16S1620S32 Socket & 114916P2 Wire Sealing Grommet) S43 = 3 each #24 to #20 AWG (PM16S2024S32 Socket & 114916P1 Wire Sealing Grommet)		

### Part Numbering Notes:

- To Order Mini 3 Pole SPEC Pak® shell kits only (no contacts or wire sealing grommets), use part numbering on page 2 only. Contacts, wire seals and wire protection may be ordered separately.
- To order customer configured Mini 3 Pole SPEC Pak® connectors (including contacts, wire sealing grommet and wire protection) use Part Number Plan across the top of page 2 and 3. **Customer configured Mini 3 Pole SPEC Pak® Plug connector example: SK6-016M03PB01-P41**  
**\* Custom configured Mini 3 Pole SPEC Pak® Plug connector example: SK6-016M03PB01-P00-A01**

\* Custom configuration may not be UL recognized.

## ORDERING INFORMATION

### Pin Contacts

APP® Part Number		Housing Arrangement Designation	- Wire -	
Standard Qty 500	Packaged Qty 50		AWG	mm²
Standard Length 7.7mm				
PM16P2024S30	PM16P2024S30-50	P43	#24 / 20	0.50 / 0.75
PM16P1620S30	PM16P1620S30-50	P42	#20 / 16	0.50 / 1.5
PM16P1416S30	PM16P1416S30-50	P41	#16 / 14	1.5 / 2.5

#### When purchasing the following part numbers, it will be considered a custom configuration

APP® Part Number		Housing Arrangement Designation	- Wire -	
Standard Qty 500	Packaged Qty 50		AWG	mm²
Pre-Mate 8.5mm				
PM16P2024B30	PM16P2024B30-50	P00	#24 / 20	0.50 / 0.75
PM16P1620B30	PM16P1620B30-50	P00	#20 / 16	0.50 / 1.5
PM16P1416B30	PM16P1416B30-50	P00	#16 / 14	1.5 / 2.5
Post-Mate 6.6mm				
PM16P2024C30	PM16P2024C30-50	P00	#24 / 20	0.50 / 0.75
PM16P1620C30	PM16P1620C30-50	P00	#20 / 16	0.50 / 1.5
PM16P1416C30	PM16P1416C30-50	P00	#16 / 14	1.5 / 2.5

#### NOTE:

- Pre-mate 9.3 contacts can not be used.
- For IP68 sealing of custom configurations, order 1 wire seal for every 1 pin and/or socket contact that is ordered.

### Socket Contacts

APP® Part Number		Housing Arrangement Designation	- Wire -	
Standard Qty 500	Packaged Qty 50		AWG	mm²
PM16S2024S32	PM16S2024S32-50	S43	#24 / 20	0.50 / 0.75
PM16S1620S32	PM16S1620S32-50	S42	#20 / 16	0.50 / 1.5
PM16S1416S32	PM16S1416S32-50	S41	#16 / 14	1.5 / 2.5

#### NOTE :

- For IP68 sealing of custom configurations, order 1 wire seal for every 1 pin and/or socket contact that is ordered.

### Tooling

Part Number	Description
PM1000G1	Four Indent Hand Crimp Tool for Pins and Sockets
TM0001	Mil Standard Hand Crimp Tool (Locator/Turret Required)
TP0001	Pneumatic Crimp Tool (Locator/Turret Required)
TL0001	Pin Locator/Turret for TM0001 or TP0001
TL0002	Socket Locator/Turret for TM0001 or TP0001
PM1001G1	Loose Piece Crimp Machine (Semi automatic)
PM1002G1	Contact Insertion Tool
PM1003G1	Contact Extraction Tool

**PM1000G1**



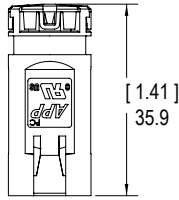
**TM0001**



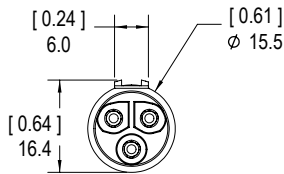
# Dimensions

## DIMENSIONS - PLUG

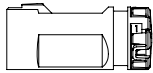
Top View



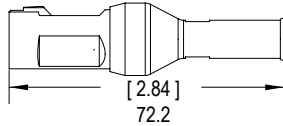
Front View



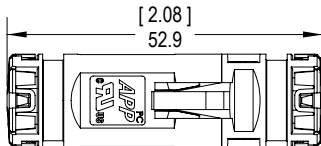
Side View



Side View With Optional Wire Protection

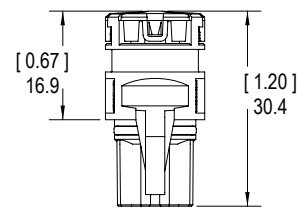


Mated View - Plug & Receptacle

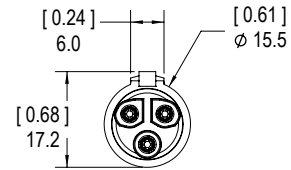


## DIMENSIONS - RECEPTACLE

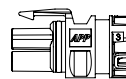
Top View



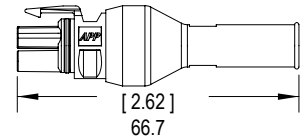
Front View



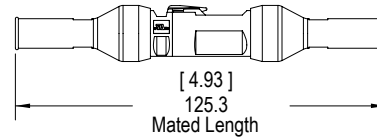
Side View



Side View With Optional Wire Protection

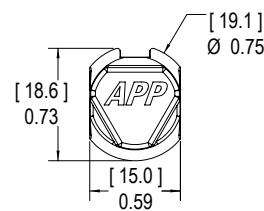


Mated View - Plug & Receptacle With Optional Wire Protection

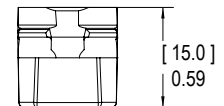


Receptacle Cover Kit

Front View



Side View



# Mouser Electronics

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## Anderson Power Products:

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[2-8703P3-50](#) [2-8703P4](#) [2-8703P4-50](#) [SK1-016M03](#) [SK6-016M03](#) [SK9-016](#) [PM16P1416B30-50](#) [PM16P1620B30-50](#)  
[PM16P2024B30-50](#) [SK6-A95H03PM21-R20](#) [SK6-076C04PS01-B70](#) [SK1-016M03PB02-S42](#) [SK6-053B06CA04-L01](#)  
[SK1-A95H02PM21-R84](#) [SK1-050B04PS01-B05](#) [SK6-B95H03PS03-A22](#) [SK6-053B06PS01-D02](#) [SK6-016M03PB02-](#)  
[P42](#) [SK6-076C04PS01-000-B01](#) [SK6-076C04PM23-Z70](#) [SK6-A95H03PS05-A29](#) [SK1-A95H03PM21-R20](#)



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#### Как с нами связаться

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