

## Mid Power SPEC Pak® PN: SK2-076D05 & PK2-076DA5 Panel Mount Receptacle (Socket) Assembly Instructions

### 1. Panel Mount Receptacle

- Clean and dry panel surface thoroughly.
- Orient shell with APP® SPEC Pak® logo faces up. (see figure 1)
- Sandwich panel mount receptacle gasket between panel and panel mount receptacle shell. (see figure 1)
- Secure the panel mount receptacle shell and gasket to the panel with four (4) each M4 or #8 screws (not included) in an alternating manner. Suggested torque 7 - 10 in-lbs.
- Slide approximately 8 inches (200 mm) of wire through the panel mount receptacle.

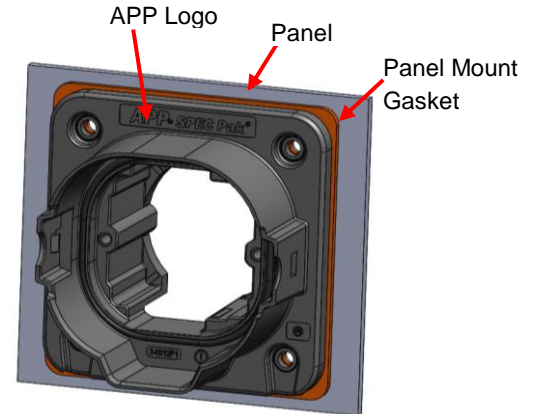


Figure 1

### 2. Prepare Wires

- Strip approximately 2 ¾ inches (70 mm) from the outer cable jacket, if applicable.
- Strip individual wire(s) taking care not to damage the copper conductor. (see table 1)

Table 1		Wire Size AWG	Strip Length		Wire Jacket Outer Diameter	Wire Stranding
APP Contact Part Number	Contact Size		Inches	MM		
SC08-GH	#8	#8 - #10 (8.4 – 6.0mm <sup>2</sup> )	.500" +/- 0.20"	12.70mm +/- 0.51mm	0.763" (typical)	37
SC08-GN						

### 3. Crimp Contacts

- Crimp contacts per crimp tool instructions. (See Table 2). **WARNING:** Crimping with non-APP recommended tools may produce high resistance and may effect UL & CSA approval.

Table 2		Pneumatic Bench Tool	Die	Locator	Tool Pressure
APP Contact Part Number	Wire Size AWG				
SC08-GH	#8 - #10 (8.4 – 6.0mm <sup>2</sup> )	1387G1	1388G6	1389G19	80
SC08-GN					

### 4. Populate Contact Holders

- Positions for the power contacts are labeled L1, L2, L3 and N with L1 being in the upper right corner as you are looking at the back of the holder. (see figure 2 and 3) Insert socket(s), from the back, into the holder per your configuration. Contacts will snap into place.

Figure 2

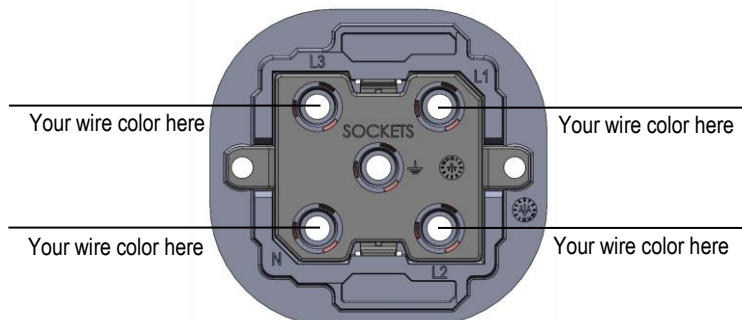
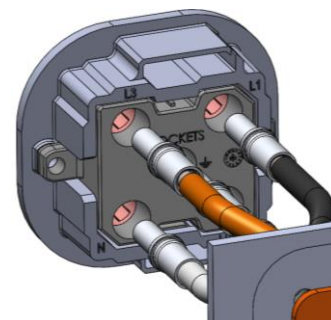


Figure 3

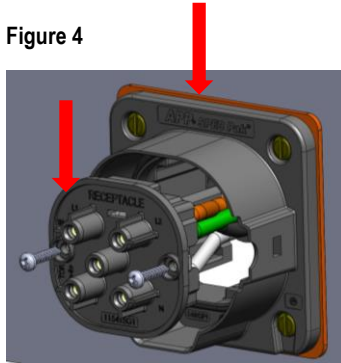


## 5.

### Final Assembly

- a. Orient contact holder with the word "Receptacle" on top. (see figure 4)
- b. Slide holder into shell. (see figure 4) **NOTE:** *The holder will only go in one way.*
- c. Using two (2) M3.5 x 15mm Phillips head screws, secure the holder to the shell.
  - i. Recommended torque: 10 in-lbs (1.1 N-m)

Figure 4



## 6. Assembly is Complete

- a. The connector is considered in compliance with UL 6703 only when assembled in a manner specified by these assembly instructions.

## 7. NOTE: Solar Mid Power SPEC Pak®

- a. To unlock Solar Mid Power Plug from Mid Power Receptacle(s)
  - i. Insert a flat head screwdriver into the slot on the latch and apply pressure (see figure 5)
  - ii. Gently pull on the connector to release the latch on that side
  - iii. Repeat the above two steps on the opposite side

Figure 5

