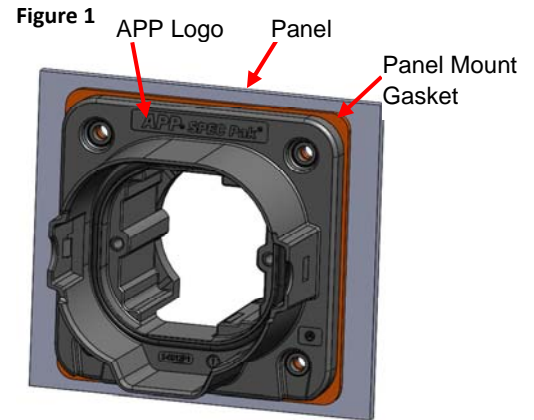


Mid Power SPEC Pak®
PN SK2-076D05 & PK2-076DA5
Panel Mount Receptacle (Socket) Assembly Instructions

1. Panel Mount Receptacle

- a. Clean and dry panel surface thoroughly.
- b. Orient shell with APP SPEC Pak® up. (See figure 1)
- c. Sandwich panel mount receptacle gasket between panel and panel mount receptacle shell. (See figure 1)
- d. 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.
- e. Slide approximately 8 inches (200 mm) of wire through the panel mount receptacle.



2. Prepare Wires

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

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

3. Crimp Contacts

- a. 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					
APP Contact Part Number	Wire Size AWG	Pneumatic Bench Tool	Die	Locator	Tool Pressure
SC08-GH	#8 - #10	1387G1	1388G6	1389G19	80
SC08-GN					

4. Populate Contact Holders

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

Figure 3

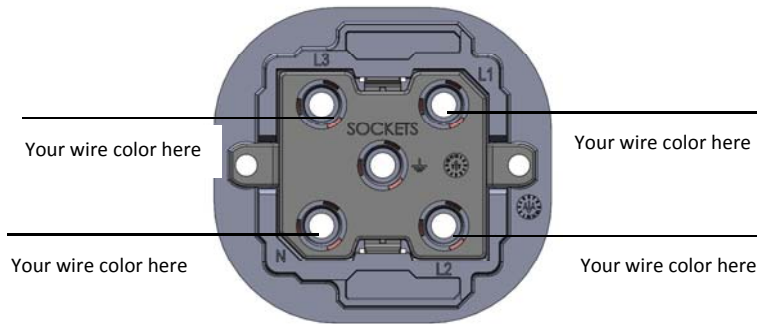
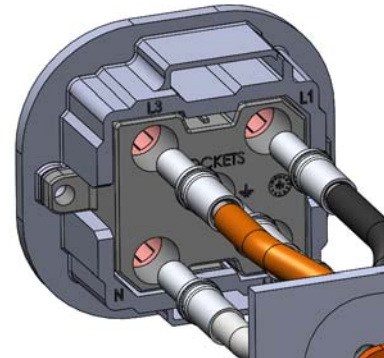


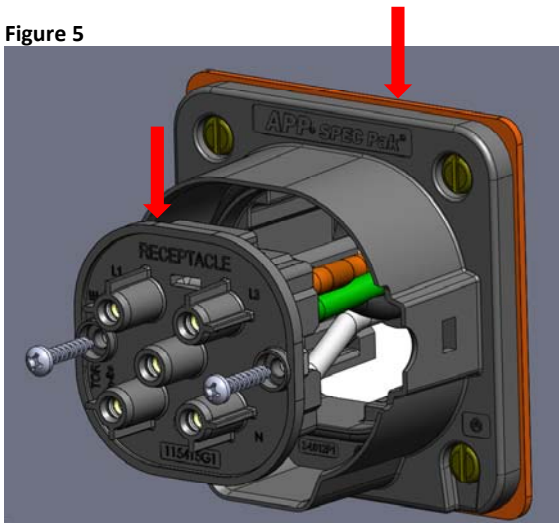
Figure 4



5. Final Assembly

- a. Orient contact holder with the word "Receptacle" on top. (See figure 5)
- b. Slide holder into shell. (See figure 5) **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 5



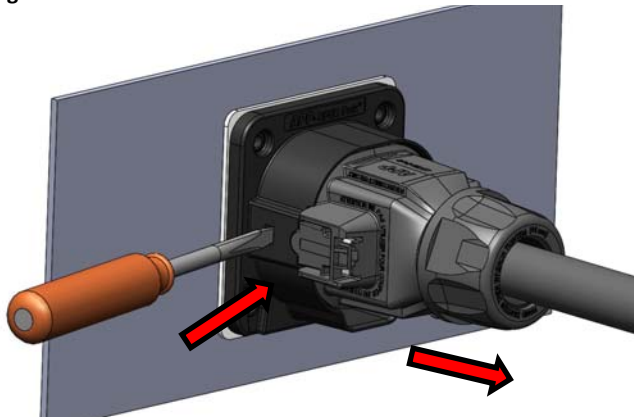
6. Assembly is complete (See figure 6)

- 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
 - ii. Gently pull on the connector to release the latch on that side

Figure 6



- iii. Repeat the above two steps on the opposite side