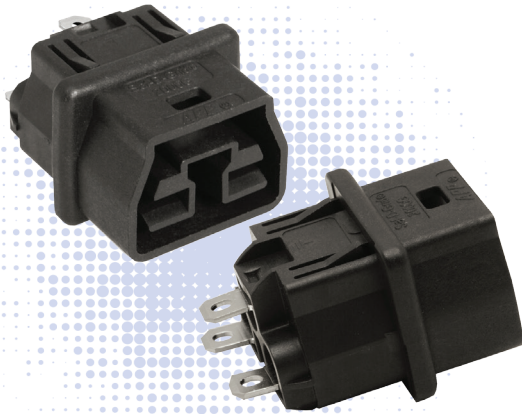


Saf-D-Grid® Ultra Short Receptacle



The APP Saf-D-Grid Ultra Short Receptacle enables direct connection of DC electronic devices to a DC micro grid powered by high efficiency DC sources or a DC micro grid. The design meets international safety requirements for hazardous, low voltage applications UL 1977 and IEC 61984, as well as touch safety requirements of UL 950 and IEC 60950. The APP Saf-D-Grid Ultra Short Receptacle minimizes space requirements within the device and enables solder termination to wire.

The APP Saf-D-Grid Ultra Short Receptacle is designed to replace the IEC320 C14 inlet connector for DC power sources up to 600 volts. This receptacle connector has the same height and width as the IEC320 C14 inlet connector and snaps into the standard 19.9mm by 26.8mm panel cut out. The depth of the receptacle has been increased to provide touch safety, voltage clearance, and arc protection.

FEATURES

- Touch Safe
- Hot Plug Rated
- Arching Protection
- First Mate, Last Break Ground Contact
- Compatible with all Saf-D-Grid Plug Cord Assemblies

| SPECIFICATIONS |

Electrical		
Voltage (AC/DC)		
• UL 1977 / CSA 22.2	600	
• IEC	400	
Current Rating (Amperes)	20	
Wire Range	(AWG)	(mm²)
	#14 to #18	1.5 to 0.75
Hot Plug Rated		
• 250 cycles	400V @ 440A in-rush	
• 250 cycles (UL)	400V @ 20A load	
Dielectric Withstanding Voltage	3,300	
Operating Temperature ¹	°F	°C
	-4° to 266°	-20° to 130°
Creep & Clearance per UL & IEC 60950		
• 8.0 mm between live parts of different polarity, earthing circuit and the mating surface.		

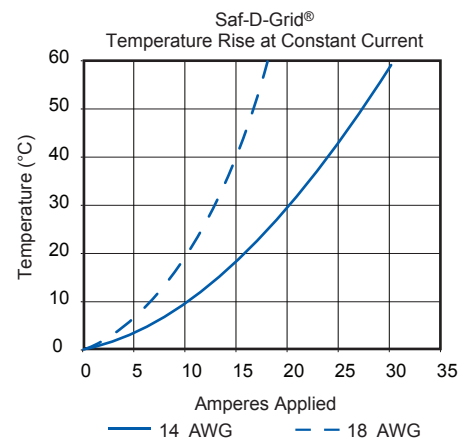
¹ Plug operating temperature is -20 to 80°C. Plug housing not to exceed 80°C.

Mechanical		
Contact Retention	lbf	N
	20	89
Latch Retention	lbf	N
	20	89
Durability		
• 5,000 cycles - no load		
• 1,000 cycles - 6.25A load		

Materials (RoHS Compliant)	
Housings	Hi Temp Nylon + 30% GF, UL94 V-0, Halogen Free
Springs	Stainless Steel
Contacts	Copper, Silver Plate



| TEMPERATURE CHART |



| ORDERING INFORMATION |

Receptacle Kits (Housing & Contacts)

Housing	Panel Thickness	Non-Bulk - Part Numbers -	Std. Pack	Bulk - Part Numbers -	Std. Pack
Ultra Short Depth	0.8mm	2006G1	1	2006G1-BK	100
Ultra Short Depth	1.0mm	2006G3	1	2006G3-BK	100
Ultra Short Depth	1.2mm	2006G2	1	2006G2-BK	100
Ultra Short Depth	1.6mm	2006G4	1	2006G4-BK	100
Ultra Short Depth	2.0mm	2006G5	1	2006G5-BK	100
Ultra Short Depth	2.5mm	2006G6	1	2006G6-BK	100

Receptacle Housing

Housing	Panel Thickness	Non-Bulk - Part Numbers -	Std. Pack	Bulk - Part Numbers -	Std. Pack
Ultra Short Depth	0.8mm	2006G1-NC	1	2006G1-NC-BK	100
Ultra Short Depth	1.0mm	2006G3-NC	1	2006G3-NC-BK	100
Ultra Short Depth	1.2mm	2006G2-NC	1	2006G2-NC-BK	100
Ultra Short Depth	1.6mm	2006G4-NC	1	2006G4-NC-BK	100
Ultra Short Depth	2.0mm	2006G5-NC	1	2006G5-NC-BK	100
Ultra Short Depth	2.5mm	2006G6-NC	1	2006G6-NC-BK	100

Contacts

Type	Wire Size	Compatible Receptacles	Loose Piece - Part Numbers -	Std. Pack
Solder	#14 to 18 AWG	Ultra Short	2016G1-LPBK	1

NOTE:

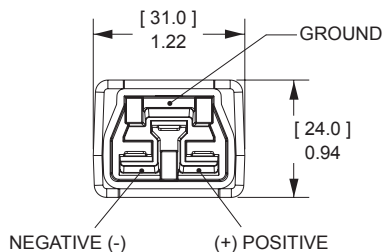
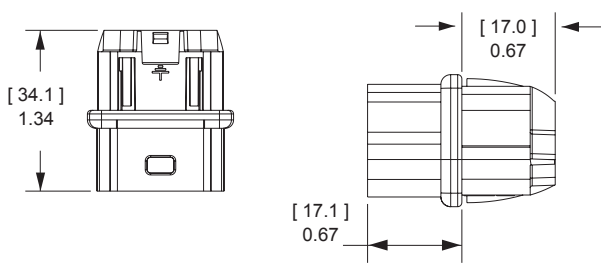
- Ultra short contacts are to be used with ultra short depth housings only. For soldering to stranded copper wire.
- Shading indicates stock item



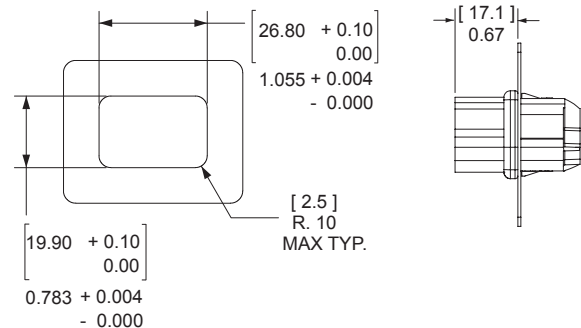
Plug cord assemblies available in popular sizes. Visit www.andersonpower.com for more information.

| DIMENSIONS |

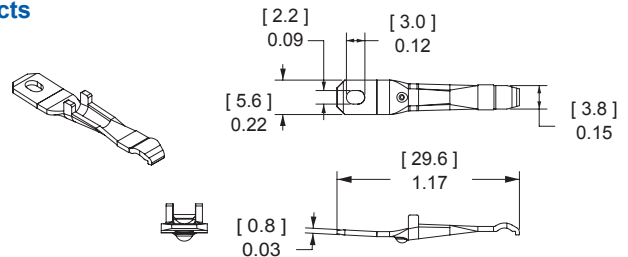
Receptacle 2006 Series



Panel Cut-out



Contacts



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