Power Drawer®
Connector Family

FEATURES

• Mixed power and signal contacts
Use of a single connector simplifies system tolerances and manufacturing

• Industry standard contacts
Allows for cross mating with competitive product

• Wide selection of contact termination
Provides the designer a wide variety of packaging options

• First-mate and last-mate capability
Grounds and powers the system before mating of signal circuits

• Integral guide pins
Corrects misalignment during blind mating

• Optional floating mount
Reduces fatiguing stress on connectors during blindmating

PRODUCT RANGE

Electrical	#8	#12	#20
Current Rating - (Amperes)	75	35	5
Voltage Rating - (AC/DC)	600	600	600
Voltage Drop mV	6.00	3.30	0.70
Dielectric Withstanding Voltage (AC)		2,200	
Working Temperature Range (°C)		-40° to 125°	
(°F)		-40° to 257°	

Mechanical	#8	#12	#20
Insertion Force Per Contact (lbf)	2.00	1.80	0.43
(N)	8.92	8.04	1.96
Extraction Force Per Contact (lbf)	1.26	1.02	0.07
(N)	5.59	4.51	0.29

Materials	
Insulator	PBT UL94 V-0
Crimp Pin or Socket Body	Copper Alloy
Solder Cup Pin or Socket Body	Brass
PCB Pin or Socket Body	Brass
Female Contact	BeCu

Contact Plating	
#8 and #12	Silver Over Nickel
#20 and #12AU	Gold Over Nickel

RoHS COMPLIANT APP c UL us File No. E26226

PRODUCT INFORMATION

Anderson Power Products new line of power drawer series connectors gives our customers more selections than ever, to meet their power connector needs. These cost effective, mixed power and signal drawer connectors are manufactured using the same high quality standards that have made APP a leader in the power connector industry for years. The 35 and 75 amp Power Drawer connectors are a cost-effective, mixed power and signal drawer connector. The connectors are used on "N + 1" power supply and inverter systems.

APP's versatile Power Drawer connectors offers the designer a wide variety of options. The 75 amp Power Drawer can be configured with up to four #8 AWG, nine #12 AWG and twenty-four #20 AWG contacts. Both pin and socket contacts are available with crimp, solder cup or printed circuit board termination. The 35 amp Power Drawer can be configured with up to eight #12 AWG, eight #16 AWG, four #16 AWG, four #12 AWG and twenty-one #20 AWG contacts. Both connectors can be cross-mated with competitor product.

The connector's pin contacts can also be specified for first-mate and last-mate connection. This allows the electronic system to be grounded and mating electronically verified, before the power circuits are energized. The APP Power Drawer connectors also feature integral guide pins, which correct misalignment during blind mating. Additionally, the connector offers an optional floating mount, reducing the fatigue stress on the connector during blind mating. The drawer series can be used for a wide range of drawer-type applications such as rectifiers, inverters, mainframe computers, servers telecommunications and network equipment.

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