

SEC-II Power Products

Product Facts

- Combines industry standard 0.100" pitch card edge format in a high power density design
- Industry-proven multi-beam power contact design
- High conductivity contact materials
- High temperature housing materials
- UL 94V-0
- Selective gold plating for high performance with low cost
- .000030 [0.00076] gold in contact area. Tin/lead on posts with entire contact nickel underplated
- Power Contact Current Ratings:
 - 36 amps — Single Contact
 - 22 amps — on each of 4 adjacent pairs (8 power contacts)



The trends in electronic power supplies require high current density and lower cost. In addition, smaller sized connectors are needed to provide less airflow restriction for cooling the power supplies. The SEC-II Power connectors offer an ideal combination of low-current and high-current connections in a single, durable design.

SEC-II Power connectors are built on an expandable tooling platform which allows for a variety of combinations of power and signal contacts, all

combined in a single molded housing. The vertical press-fit versions are ideal for high density stacking of cards into a backplane or for low air restriction of blade-style power supply designs. The straddle mount style offers a true co-planar interconnection with a total height of less than 4mm from the top surface of the pcb.

SEC-II Power Connectors are currently in use in high-end computer and data storage equipment. Extensive testing in exposure to high vibration and

shock has proven these connectors equally suited for industrial applications as well, where low contact resistance and high current density is required.

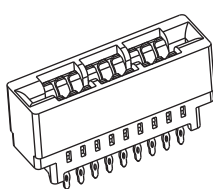
Product Specification 108-2202



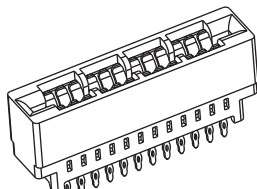
Vertical



Co-Planar

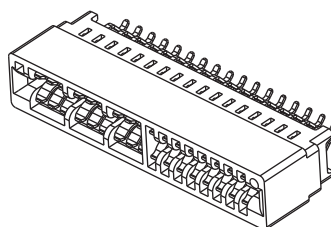


3P

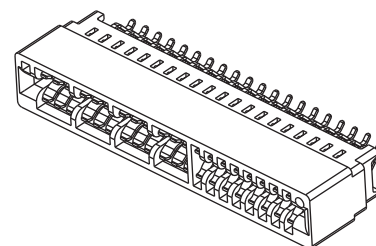


4P

Power Only



3P



4P

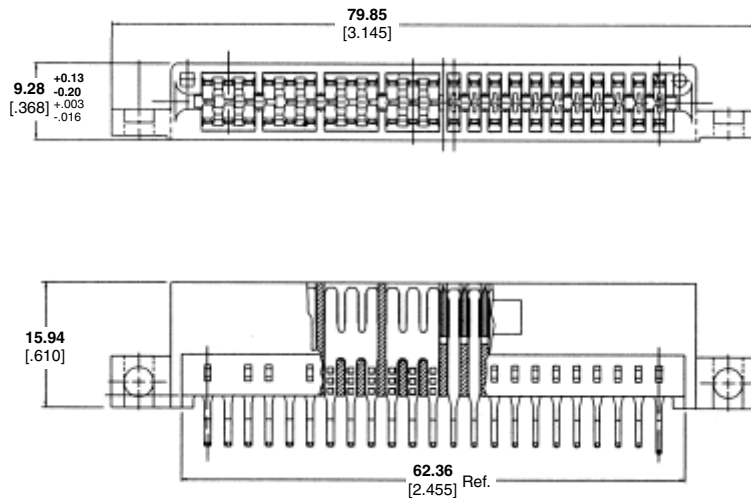
Power and Signal

Note: See page 151 for part numbers and details.

SEC-II Power Products (Continued)

Co-Planar Application

Straddle Mount to 0.062 [1.6]
PCB



Card Edge Products

No. of Power Contacts	No. of Signal Contacts	Dimensions		With or Without Mounting Ears	Part Number
		Overall Length	"B" Card Slot		
4	16	42.16 [1.66]	38.10 [1.500]	Without	2007008-2
6	16	49.78 [1.960]	45.72 [1.800]	Without	2007008-1
6	20	69.72 [2.745]	50.80 [2.000]	With	1761500-1
8	16	57.40 [2.260]	53.40 [2.100]	Without	2007008-3
8	22	79.88 [3.145]	60.96 [2.400]	With	1761879-1

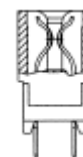
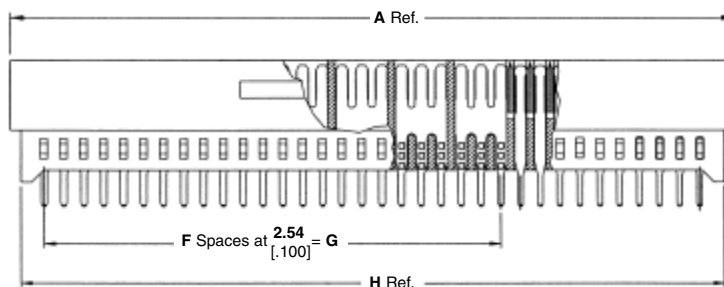
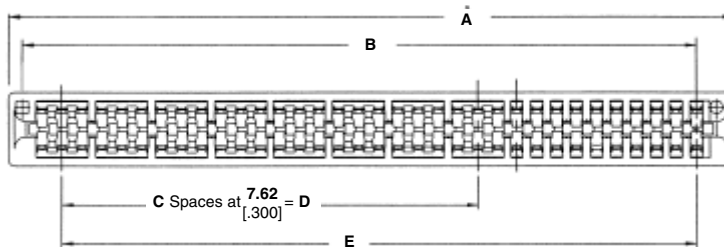
Note: All part numbers are RoHS compliant.

SEC-II Power Products (Continued)

Vertical PCB Mount

Seating tool required

*See customer drawing for details



Dimensions								No. of Power Contacts	No. of Signal Contacts	Omitted PIN	Molded Key Location	Part Number
A	B	C	D	E	F	G	H					
Power and Signal, Solder Tail												
92.93 [3.660]	88.90 [3.500]	7	53.34 [2.100]	81.28 [3.200]	23	58.42 [2.300]	90.18 [3.550]	16	20	None	None	1761426-1
70.1 [2.760]	66.07 [2.600]	4	30.48 [1.200]	58.42 [2.300]	14	35.56 [1.400]	67.31 [2.650]	10	20	None	None	1761426-2
54.86 [2.160]	50.80 [2.000]	2	15.24 [0.600]	43.18 [1.700]	8	20.32 [0.800]	52.07 [2.050]	6	20	None	None	1761426-3
Power and Signal, Press-Fit												
54.61 [2.150]	50.80 [2.000]	3	22.86 [0.900]	40.64 [1.600]	17	43.16 [1.700]	49.53 [1.950]	8	12	None	None	1761786-1
Power only, Press-Fit												
24.13 [0.950]	20.32 [0.800]	1	3.81 [0.150]	12.70 [0.500]	5	N/A	18.79 [0.740]	4	0	None	None	1888946-1
31.75 [1.250]	27.94 [1.100]	2	7.62 [0.300]	20.32 [0.800]	8	N/A	26.42 [1.040]	6	0	None	None	1888946-2
39.37 [1.550]	35.56 [1.400]	3	11.43 [0.450]	27.94 [1.100]	11	N/A	34.03 [1.340]	8	0	None	None	1888946-3

Note: All part numbers are RoHS compliant.