

SWITCHCRAFT Power Plugs and Jacks

Switchcraft®
Harsh Environment Connectivity Solutions
A HEICO Company

RoHS Compliant This product is RoHS compliant.

MINIATURE SEALED POWER PLUGS

- IP rating of IP66, IP67, IP68/Nema 250 (6P) when mated
- Locking ring provides security in critical applications
- Sleeve terminal serves as cord clamp
- Handle/Boot with cable strain relief
- Plug sleeve and pin: Plated copper alloy
- Handle: Rigid thermoplastic overmolded with thermoplastic elastomer
- Lock ring: Plated copper alloy
- Lock ring thread size: 7/16-32 UNZF
- Handle thread size: 5/16-24 UNF 2A
- Rated current: 5 Amps
- Rated Voltage: Up to 30VDC

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Jack	Description	Price Each			
						1	5	10	50
502-761KS12	761KS12	A	.100"/2.5	L712AS, L712RAS, PCL712S	Black Tip, .125-.150" Cable O.D.	5.61	4.23	3.85	3.69
502-761KS15	761KS15	A	.100"/2.5	L712AS, L712RAS, PCL712S	Black Tip, .150-.175" Cable O.D.	5.61	4.23	3.85	3.69
502-761KS17	761KS17	A	.100"/2.5	L712AS, L712RAS, PCL712S	Black Tip, .175-.200" Cable O.D.	5.61	4.23	3.85	3.69
502-S761KS12	S761KS12	A	.08"/2.0	L722AS, L722RAS, PCL722S	White Tip, .125-.150" Cable O.D.	5.61	4.23	3.85	3.69
502-S761KS15	S761KS15	A	.08"/2.0	L722AS, L722RAS, PCL722S	White Tip, .150-.175" Cable O.D.	5.61	4.23	3.85	3.69
502-S761KS17	S761KS17	A	.08"/2.0	L722AS, L722RAS, PCL722S	White Tip, .175-.200" Cable O.D.	5.61	4.23	3.85	3.69
502-767KS12	767KS12	A	.084"/2.1	L722AS, L722RAS, PCL722S	Red Tip, .125-.150" Cable O.D.	6.17	4.65	4.24	4.06
502-767KS15	767KS15	A	.084"/2.1	L722AS, L722RAS, PCL722S	Red Tip, .150-.175" Cable O.D.	6.17	4.65	4.24	4.06
502-767KS17	767KS17	A	.084"/2.1	L722AS, L722RAS, PCL722S	Red Tip, .175-.200" Cable O.D.	6.17	4.65	4.24	4.06

MINIATURE POWER PLUGS

- Plug Sleeve and pin: Nickel-plated copper alloy
- Locking: Nickel-plated copper alloy
- Locking Thread Size: 5/16 - 32 UNEF 2B
- Rated Current: 5 Amps
- Pin Length: 0.375"/9.5mm
- Molded Plastic Handle

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Jack	Description	Price Each			
						1	10	25	50
502-S-760	S760	B	.080"/2.0	722A, RAPC722X, PC722A	White Tip, Black Handle	2.20	2.15	1.99	1.94
502-762	762	B	.084"/2.1	Any 2.1 mm Jack and 722A, 722RA, PC722A	Red Tip, Black Handle	4.31	3.88	3.53	3.23
502-763	763	B	.084"/2.1	Any 2.1 mm Jack and 722A, 722RA, PC722A	Red Tip, Red Handle	5.00	4.31	3.78	3.37
502-760	760	B	.100"/2.5	712A, RAPC712X, RASH712X, RASM712X, PC712A	Black Tip, Black Handle	2.64	2.43	2.21	2.03
502-765	765	B	.100"/2.5	712A, RAPC712X, RASH712X, RASM712X, PC712A	Black tip, Red Handle	2.74	2.52	2.29	2.10

Locking Plugs

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Jack	Description	Price Each			
						1	10	25	50
502-S760K	S760K	C	.080"/2.0	722A, PC722A, L722A	Black Tip, Black Handle	4.67	4.02	3.68	3.48
502-S761K	S761K	D	.080"/2.0	722A, PC722A, L722A	Black Tip, Black Handle	4.60	3.92	3.59	3.45
502-S760BK	S760BK	E	.080"/2.0	RAPC722BK, RASH722BK	White Locking Tip, Black Handle	3.61	2.70	2.48	2.25
502-762K	762K	C	.084"/2.1	Only 722A, 722RA, PC722A	Red Tip, Black Handle	6.52	5.88	5.34	4.89
502-763K	763K	C	.084"/2.1	Only 722A, 722RA, PC722A	Red Tip, Red Handle	6.52	5.88	5.34	4.89
502-767K	767K	D	.084"/2.1	Only L722A, L722RA, PCL722A	Red Tip, Black Handle	4.38	4.19	4.02	3.86
502-768K	768K	D	.084"/2.1	Only L722A, L722RA, PCL722A	Red Tip, Red Handle	6.52	5.88	5.34	4.89
502-760K	760K	C	.100"/2.5	712A, PC712A	Black Tip, Black Handle	4.37	3.81	3.49	3.29
502-760BK	760BK	E	.100"/2.5	RAPC712BK, RASH722BK	Black Locking Tip, Black Handle	3.70	3.39	3.14	2.91
502-761K	761K	D	.100"/2.5	L712A, L712PA, PCL712A	Black Locking Tip, Black Handle	4.88	3.73	3.40	3.27

MINIATURE SEALED POWER JACKS

- IP rating of IP66, IP67, IP68/Nema 250 (6P) when mated
- Automatic switch over from AC to DC provided by sleeve shunt spring
- Split center pin shaped to hold mating plug firmly
- Optional IP rated cap (JCAP) protects jack when not in use
- Housing Material: Rigid Thermoplastic
- Bushing material: Plated copper alloy
- Jack Hardware: Supplied with one nickel plated copper alloy hex nut (P1489), one nickel plated steel flat washer (P3031) and one o-ring for sealing jack to panel
- Terminals: Plated copper alloy
- Insulators: Rigid thermoplastic
- Rated current: 5 Amps
- Rated Voltage: Up to 30VDC
- JCAP Material: Thermoplastic elastomer

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Plug	Description	Price Each			
						1	10	25	50
502-L712AS	L712AS	F	.100"/2.5	761KS12, 761KS15, 761KS18	Solder Lug	4.27	3.95	3.63	3.46
502-PCL712AS	PCL712AS	G	.100"/2.5	761KS12, 761KS15, 761KS18	Straight PC Terminal	5.44	5.03	4.69	4.45
502-L712RAS	L712RAS	F	.100"/2.5	761KS12, 761KS15, 761KS18	Right Angle PC Terminal	8.75	7.78	6.97	6.06
502-L722AS	L722AS	H	.080"/2.0	S761KS12, S761KS15, S761KS18, 767KS12, 767KS15, 767KS18	Solder Lug	4.95	3.95	3.61	3.44
502-PCL722AS	PCL722AS	G	.080"/2.0	S761KS12, S761KS15, S761KS18, 767KS12, 767KS15, 767KS18	Straight PC Terminal	5.44	5.03	4.69	4.45
502-L722RAS	L722RAS	H	.080"/2.0	S761KS12, S761KS15, S761KS18, 767KS12, 767KS15, 767KS18	Right Angle PC Terminal	5.22	4.18	3.81	3.62
502-JCAP	JCAP	I	-	-	Power Jack Seal Cap	1.28	1.07	.98	.95

STRAIGHT MINIATURE POWER JACKS

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Plug	Description	Price Each			
						1	10	25	50
502-712A	712A	J	.100"/2.5	760	Solder lug	3.00	2.63	2.43	2.31
502-L712A	L712A	K	.100"/2.5	761K	Solder lug, long bushing	4.52	3.59	3.30	3.16
502-712RA	712RA	L	.100"/2.5	760	Right angle, pc terminal	3.22	3.02	2.74	2.51
502-L712RA	L712RA	L	.100"/2.5	761K	Right angle, pc terminal, long bushing	3.77	3.46	3.19	2.96
502-PC712A	PC712A	M	.100"/2.5	760	Straight pc terminal	3.50	2.62	2.40	2.32
502-PCL712A	PCL712A	M	.100"/2.5	761K	PC Terminal, long bushing	4.73	4.46	4.22	4.00
502-722A	722A	J	.080"/2.0	S760	Solder lug	3.00	2.63	2.43	2.31
502-L722A	L722A	K	.080"/2.0	S761K	Solder lug, long bushing	4.79	3.59	3.30	3.14
502-722RA	722RA	L	.080"/2.0	S760	Right angle, pc terminal	3.87	2.90	2.66	2.55
502-L722RA	L722RA	L	.080"/2.0	S761K	Right angle, pc terminal, long bushing	4.86	3.88	3.55	3.24
502-PC722A	PC722A	M	.080"/2.0	S760	Straight pc terminal	3.47	2.62	2.40	2.34
502-PCL722A	PCL722A	M	.080"/2.0	S761K	PC Terminal, long bushing	4.32	4.07	3.60	3.44
502-732A	732A	J	.050"/1.25	860	Solder lug	3.71	3.18	2.91	2.64
502-2C1072	2C1072	-	-	-	Jack Cover for 712A and 722A	9.82	8.91	8.17	7.55

RIGHT ANGLE MINIATURE POWER JACKS

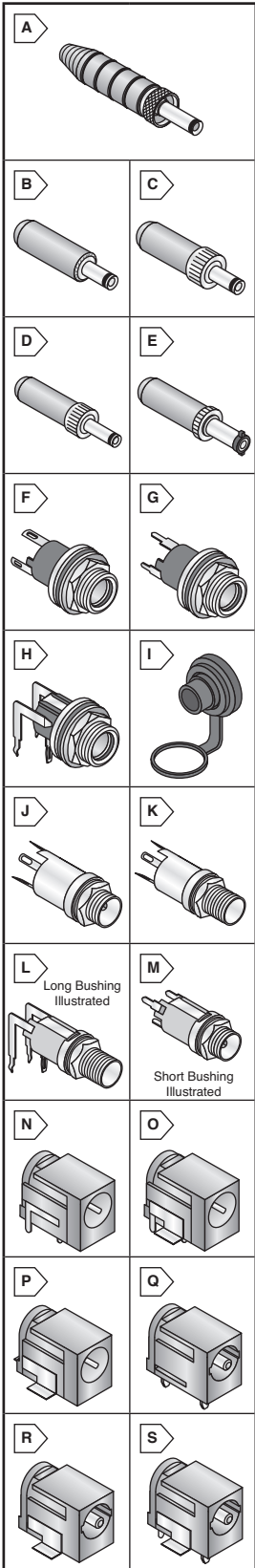
MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Plug	Description	Price Each			
						1	10	25	50
502-RAPC712X	RAPC712X	N	.100"/2.5	760, 765	PC mount	1.44	1.42	.99	.96
502-RASH712X	RASH712X	O	.100"/2.5	760, 765	Hybrid mount (PC & SMT)	1.62	1.23	1.13	1.07
502-RAPC722X	RAPC722X	N	.080"/2.0	S760	PC mount	1.26	1.12	1.03	.988
502-RASH722X	RASH722X	O	.080"/2.0	S760	Hybrid mount (PC & SMT)	1.58	1.21	1.10	1.06
502-RASM712X	RASM712X	P	.100"/2.5	760, 765	Surface Mount (SMT)	1.47	1.34	1.24	1.16
502-RASM-712PX	RASM712PX	O	.100"/2.5	760, 765	Surface Mount, Locating Post (SMT)	1.65	1.40	1.32	1.23
502-RASM722X	RASM722X	P	.080"/2.0	S760	Surface Mount (SMT)	1.62	1.26	1.17	1.10
502-RASM722PX	RASM722PX	P	.080"/2.0	S760	Surface Mount, Locating Post (SMT)	2.09	1.90	1.80	1.49

LOCKING RIGHT ANGLE JACKS

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Plug	Description	Price Each			
						1	10	25	50
502-RAPC712BK	RAPC712BK	Q	.100"/2.5	760BK	PC mount	1.61	1.48	1.40	1.35
502-RAPC722BK	RAPC722BK	Q	.080"/2.0	S760BK	PC mount	2.02	1.83	1.73	1.65
502-RASM712BK	RASM712BK	R	.100"/2.5	760BK	Surface mount (SMT)	2.41	2.19	2.07	1.96
502-RASM722BK	RASM722BK	R	.080"/2.0	S760BK	Surface mount (SMT)	2.45	1.93	1.76	1.64
502-RASH712BK	RASH712BK	S	.100"/2.5	760BK	Hybrid mount (PC & SMT)	2.52	2.20	1.93	1.73
502-RASH722BK	RASH722BK	S	.080"/2.0	S760BK	Hybrid mount (PC & SMT)	2.77	2.42	2.13	1.91

MOUNTING HARDWARE

MOUSER STOCK NO.	Switchcraft Part No.	Description	Size (in.)	Price Each				MOUSER STOCK NO.	Switchcraft Part No.	Description	Size (in.)	Price Each			
				1	10	25	50					1	10	25	50
502-P2439	P2439	Hex Nut, Nickel Plated	5/16-32	.17	.15	.14	.13	502-S4263	S4263	Washer, Insulating w/ Shoulder	1/2 x 5/16	.43	.39	.357	.325
502-P1489	P1489	Hex Nut, Nickel Plated	7/16-32	.67	.61	.56	.50	502-S-1029	S1029	Washer, Fiber w/ Shoulder	5/8 x 3/8	.56	.51	.467	.425
502-P2441	P2441	Washer, Flat Nickel Plated	13/32 x 5/16	.17	.15	.14	.13	502-S-1028	S1028	Washer, Rigid Plastic (Brown)	5/8 x 3/8	.24	.18	.17	.17
502-P3031	P3031	Washer, Flat Nickel Plated	5/8 x 7/16	.46	.43	.42	.38	502-S2207	S2207	Washer, Rigid Plastic	7/16 x 9/32	.50	.45	.37	.35
502-P2442	P2442	Washer, Phenolic w/ Shoulder	1/2 x 5/16	.14	.13	.12	.11								



Switchcraft DC Power Connectors