CML INNOVATIVE TECHNOLOGIES
WHERE INNOVATION COMES TO LIGHT

formerly Chicago Miniature Lamp and SLI Miniature Lighting

NEON LAMPS

Cat. No.	Design Current mA	Recommended Series Resistor For 100 to 125 Volts Ohms	Watts	Fig.	Lamp Size	Net Price
B6A(NE-21)	2.00	30K	¼	2	T-4½	**$10.13**
2ML(NE-38S)	0.30	100K	¼	21	T-1¼	**1.37**
A1A(NE-2)	0.70	100K	¼	21	T-2	**.62**
A1B	0.30	220K	¼	21	T-2	**.56**
A1C	1.20	47K	¼	21	T-2	**.62**
A2A	0.70	100K	¼	21	T-2	**.62**
A2B(NE-2V)	0.70	100K	¼	21	T-2	**.75**
A9A(NE-2E)	0.70	100K	¼	21	T-2	**.56**
C2A(NE-2H)	1.90	30K	¼	21	T-2	**.56**
C2A-T(NE-2HT)	1.90	30K	¼	21	T-2	**.75**
A1G	0.30	220K	¼	22	T-1¾	**4.68**
A1H	1.20	47K	¼	22	T-1¾	**4.46**
C7A(NE-2D)	0.70	100K	¼	22	T-1¾	**3.93**
C9A(NE-2J)	1.90	30K	¼	22	T-1¾	**3.68**

*For 220-250 Volts
**Built-in 47K resistor

NEON LAMPS

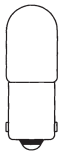
Cat. No.	Design Current mA	Recommended Series Resistor For 100 to 125 Volts Ohms	Watts	Fig.	Lamp Size	Net Price
B1A(NE-51)	0.30	220K	¼	24	T-3¼	**$1.53**
B2A(NE-51H)	1.20	47K	¼	24	T-3¼	**1.84**
B2A-R(NE-51HR)**	1.20	—	—	24	T-3¼	**1.84**
B7A(NE-45)	2.00	30K	¼	25	T-4½	**4.62**
B5A(NE-17)	2.00	30K	¼	26	T-4½	**10.15**
B9A(NE-48)	2.00	30K	¼	26	T-4½	**4.15**
J5A(NE-30)	8.00	7.5K	¼	27	S-11	**18.24**
J9A(NE-56)*	5.00	39K	⅓	27	S-11	**13.22**

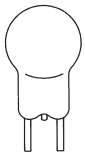
*For 220-250 Volts
**Built-in 47K resistor

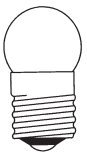
ELECTRICAL INDUSTRY LAMPS

Cat. No.	Design Volts	Design Watts	Average Life Hours	Fig.	Net Price
3S6-120V	120	3.0	3,000	1	**$2.39**
6S6-120V	120	6.0	1,500	1	**1.65**
6S6-130V	130	6.0	1,500	1	**1.65**
6S6-145V	145	6.0	1,500	1	**1.33**
6S6-155V	155	6.0	1,500	1	**1.65**
6S6-30V	30	6.0	1,500	1	**1.65**
10S6DC-230	230	10.0	1,500	2	**3.52**
6S6DC-120V	120	6.0	1,500	2	**1.84**
6S6DC-130V	130	6.0	1,500	2	**4.86**
10C7-120V	120	10.0	1,500	4	**3.05**
7C7-120V	120	7.0	3,000	4	**1.00**
6S6-24V	24	6.0	1,500	1	**1.65**
10S6C-120V	120	10.0	1,500	1	**3.04**


FIG. 1

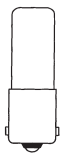

FIG. 2


FIG. 3


FIG. 4

INCANDESCENT LAMPS

Cat. No.	Design V	Design Amps	Average Life Hours	Fig.	Lamp Size	Net Price
PR2	2.38	0.500	15	1	B-3½	**$1.00**
PR3	3.57	0.500	15	1	B-3½	**.90**
PR4	2.33	0.270	10	1	B-3½	**1.03**
PR6	2.47	0.300	30	1	B-3½	**1.00**
PR7	3.70	0.300	30	1	B-3½	**1.00**
1893	14.00	0.330	7500	2	T-3¼	**.90**
43	2.50	0.500	3000	2	T-3¼	**1.40**
1892	14.40	0.120	1000	2	T-3¼	**1.28**
1891	14.00	0.240	500	2	T-3¼	**1.37**
313	28.00	0.170	500	2	T-3¼	**1.40**
755	6.30	0.150	20000	2	T-3¼	**1.42**
44	6.30	0.250	30000	2	T-3¼	**.75**
47	6.30	0.150	3000	2	T-3¼	**.97**
756	14.00	0.080	15000	2	T-3¼	**.69**
757	28.00	0.080	7500	2	T-3¼	**.55**
8-3995	130.00	0.020	2000	2	T-3¼	**1.75**
1866	6.30	0.250	5000	2	T-3¼	**1.15**
1864	28.00	0.170	1500	2	T-3¼	**1.34**
1819-100	28.00	0.040	2500	2	T-3¼	**.78**
1816	13.00	0.330	1000	2	T-3¼	**1.09**
1813	14.40	0.100	1000	2	T-3¼	**1.05**
1815	14.00	0.200	3000	2	T-3¼	**1.50**
1847	6.30	0.150	5000	2	T-3¼	**1.43**
1818	24.00	0.170	250	2	T-3¼	**3.34**
1850	5.00	0.090	1500	2	T-3¼	**1.09**
1822	36.00	0.100	1000	2	T-3¼	**1.46**
1820	28.00	0.100	1000	2	T-3¼	**.76**
1828	37.50	0.050	3000	2	T-3¼	**3.21**
1829	28.00	0.070	1000	2	T-3¼	**1.12**
1835	55.00	0.050	5000	2	T-3¼	**2.23**
1495	28.00	0.300	500	2	T-4½	**2.15**
1434	3.70	2.750	100	2	T-5	**12.56**
12	6.30	0.150	5000	3	G-3½	**1.30**
19	14.40	0.100	1000	3	G-3½	**1.47**
13	3.70	0.300	15	4	G-3½	**1.18**
50	7.50	0.220	1000	4	G-3½	**1.62**
509K	24.00	0.180	1000	4	G-6	**2.59**


FIG. 5

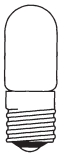
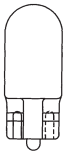

FIG. 6


FIG. 7


FIG. 8

INCANDESCENT LAMPS

Cat. No.	Design V	Design Amps	Average Life Hours	Fig.	Lamp Size	Net Price
8-967	120.00	0.025	5000	5	T-2	**$6.02**
120MB	120.00	0.025	5000	5	T-2	**1.78**
28MB	28.00	0.040	5000	5	T-2	**2.15**
60MB	60.00	0.050	7500	5	T-2	**1.53**
24MB	24.00	0.073	10000	5	T-2	**2.18**
8362	14.00	0.080	15000	6	T-1¾	**1.75**
335	28.00	0.040	4000	6	T-1¾	**1.50**
399	28.00	0.040	7000	6	T-1¾	**1.06**
1821	28.00	0.170	500	6	T-3¼	**3.40**
1769	2.50	0.200	500	6	T-1¾	**1.68**
40	6.30	0.150	3000	6	T-3¼	**.84**
1823	48.00	0.100	1000	6	T-3¼	**1.09**
86	6.30	0.200	20000	7	T-1¾	**1.12**
85	28.00	0.040	7000	7	T-1¾	**.97**
73	14.00	0.080	15000	7	T-1¾	**.94**
161	14.00	0.190	1500	8	T-3¼	**1.09**
656	28.00	0.060	2500	8	T-3¼	**1.06**
259	6.30	0.250	5000	8	T-3¼	**.78**
194	14.00	0.270	1500	8	T-3¼	**.75**

INCANDESCENT LAMPS

Cat. No.	Design V	Design Amps	Average Life Hours	Fig.	Lamp Size	Net Price
53	14.40	0.120	1000	9	G-3½	**$1.25**
51	7.50	0.220	1000	9	G-3½	**.87**
356	28.00	0.170	500	9	G-3½	**1.22**
1450	24.00	0.035	3000	9	G-3½	**1.84**
55	7.00	0.410	500	9	G-4½	**.78**
1895	14.00	0.270	1500	9	G-4½	**.75**
82	6.50	1.020	500	9	G-6D.C.	**3.72**
1251	28.00	0.230	2000	9	G-6	**3.27**
307	28.00	0.660	300	10	S-8	**1.03**
93	12.80	1.040	500	10	S-8	**1.50**
2233	28.00	0.770	2000	10	S-8	**6.80**
2232	28.00	0.643	2000	10	S-8	**6.17**
1156	12.80	2.100	600	10	S-8	**1.00**
3011	28.00	1.290	1000	10	S-11	**7.08**
222	2.25	0.250	5	11	GTL-3	**1.15**
385	28.00	0.040	10000	12	T-1¾	**1.50**
387	28.00	0.040	7000	12	T-1¾	**.87**
394	12.00	0.040	10000	12	T-1¾	**1.56**
381	6.30	0.200	20000	12	T-1¾	**1.22**
7333	5.00	0.060	25000	12	T-1¾	**1.81**
7335	5.00	0.115	40000	12	T-1¾	**1.81**
7341	28.00	0.065	5000	12	T-1¾	**1.12**
8918	14.00	0.100	10000	12	T-1¾	**1.62**



INCANDESCENT LAMPS

Cat. No.	Design V	Design Amps	Average Life Hours	Fig.	Lamp Size	Net Price
382	14.00	0.080	15000	12	T-1¾	**$1.50**
328	6.00	0.200	1000	12	T-1¾	**.94**
370	18.00	0.040	10000	12	T-1¾	**1.12**
338	2.70	0.060	6000	12	T-1¾	**1.15**
367	10.00	0.040	5000	12	T-1¾	**1.00**
349	6.30	0.200	5000	12	T-1¾	**1.03**
345	6.00	0.040	10000	12	T-1¾	**1.03**
376	28.00	0.060	25000	12	T-1¾	**1.22**
330	14.00	0.080	1500	12	T-1¾	**1.00**
327	28.00	0.040	4000	12	T-1¾	**.78**
3150	5.00	0.060	5000	12	T-1¾	**1.22**
388	28.00	0.040	7000	13	T-1¾	**1.03**
398	6.30	0.200	5000	13	T-1¾	**1.56**
334	28.00	0.040	4000	13	T-1¾	**1.46**
386	14.00	0.080	15000	13	T-1¾	**1.68**
336	14.00	0.080	1500	13	T-1¾	**1.00**
8-374	2.50	0.350	3000	14	TL-1¾	**1.25**
7153	5.00	0.115	40000	15	T-¾	**2.44**
6833	5.00	0.060	25000	15	T-¾	**2.25**
7219	12.00	0.060	10000	15	T-1	**.66**
715AS15	5.00	0.115	40000	15	T-1	**1.81**
7152	5.00	0.115	40000	15	T-1	**1.87**
715	5.00	0.115	40000	15	T-1	**1.81**
683	5.00	0.060	25000	15	T-1	**1.65**
680	5.00	0.060	6000	15	T-1	**1.68**
6838	28.00	0.024	4000	15	T-1	**2.81**
718	5.00	0.115	40000	15	T-1	**3.09**
682	5.00	0.060	60000	16	T-1	**2.96**
685	5.00	0.060	25000	16	T-1	**2.68**
6839	28.00	0.024	4000	16	T-1	**2.87**
7839	28.00	0.024	4000	17	T-1	**3.09**
7680	5.00	0.060	60000	17	T-1	**2.90**
7683	5.00	0.060	25000	17	T-1	**3.40**
8-2402	28.00	0.024	4000	17	T-1	**2.09**
7265	5.00	0.060	5000	17	T-1	**1.25**
7715	5.00	0.115	40000	17	T-1	**2.81**
7632	28.00	0.040	1000	17	T-1¼	**3.43**
7646	14.00	0.080	1000	17	T-1¾	**3.52**
7876	28.00	0.060	25000	17	T-1¾	**1.15**
7328	6.00	0.200	1000	17	T-1¾	**1.81**
ø **7387**	28.00	0.040	7000	17	T-1¾	**1.46**
7361	5.00	0.060	25000	17	T-1¾	**1.50**
7377	6.30	0.075	1000	17	T-1¾	**2.25**
7374	28.00	0.040	10000	17	T-1¾	**1.87**
7373	14.00	0.100	10000	17	T-1¾	**1.65**
ø **7371**	12.00	0.040	10000	17	T-1¾	**1.68**
7382	14.00	0.080	15000	17	T-1¾	**1.78**
7327	28.00	0.040	4000	17	T-1¾	**1.81**
7381	6.30	0.200	20000	17	T-1¾	**1.19**
10ESB	10.00	0.035	1000	18	T-2	**1.53**
12ESB	12.00	0.040	7500	18	T-2	**1.90**
16ESB	16.00	0.040	7500	18	T-2	**1.40**
18ESB	18.00	0.040	5000	18	T-2	**1.50**
24ESB	24.00	0.040	8000	18	T-2	**2.00**
28ESB	28.00	0.040	6000	18	T-2	**1.90**
48ESB	48.00	0.040	5000	18	T-2	**1.62**
6PSB	6.00	0.140	20000	18	T-2	**1.49**
12PSB	12.00	0.170	12000	18	T-2	**1.81**
24PSB	24.00	0.073	10000	18	T-2	**1.28**
28PSB	28.00	0.040	5000	18	T-2	**1.37**
48PSB	48.00	0.053	10000	18	T-2	**1.93**
60PSB	60.00	0.050	7500	18	T-2	**1.93**
120PSB	120.00	0.025	5000	18	T-2	**1.78**
1493	6.50	2.750	100	19	S-8	**5.55**
88	6.80	1.910	300	19	S-8	**2.71**
94	12.80	1.040	500	19	S-8	**.72**
895	40.00	0.530	3800	19	S-8	**10.35**
1157	12.80	2.100	600	20	S-8	**.84**



45cm of 12 AWG red wire.

Cat. No.	Net Price
55-820-0	**$1.15**



For 3AG fuses 19cm red 18AWG wire.

Cat. No.	Net Price Per 100
55-821-0	**$41.67**





LED REPLACEMENT LAMPS

These LED lamps are suitable long life replacements for TS-1/4 screw or bayonet base lamps. The bottom contact is the anode (+) and the bayonet or screw sleeve is the cathode. With internal resistor for the specified votlage. If = 20mA.

Cat. No.	Colour	Volts	Max. Volts	MCD	Net Price
BAYONET BASE					
55-110B-0	Blue	6VDC	7VDC	2800	**$2.50**
55-110G-0	Green	6VDC	7VDC	1300	**2.50**
55-110R-0	Red	6VDC	7VDC	2000	**2.50**
55-110Y-0	Yellow	6VDC	7VDC	2000	**2.50**
55-110W-0	White	6VDC	7VDC	2000	**2.50**
55-111B-0	Blue	12VDC	15VDC	2800	**2.50**
55-111G-0	Green	12VDC	15VDC	1300	**2.50**
55-111R-0	Red	12VDC	15VDC	2000	**2.50**
55-111Y-0	Yellow	12VDC	15VDC	2000	**2.50**
55-111W-0	White	12VDC	15VDC	2000	**2.50**
55-112B-0	Blue	24VDC	32VDC	2800	**2.50**
55-112G-0	Green	24VDC	32VDC	1300	**2.50**
55-112R-0	Red	24VDC	32VDC	2000	**2.50**
55-112Y-0	Yellow	24VDC	32VDC	2000	**2.50**
55-112W-0	White	32VDC	32VDC	2000	**2.50**
SCREW BASE					
55-120B-0	Blue	6VDC	7VDC	2800	**2.50**
55-120G-0	Green	6VDC	7VDC	1300	**2.50**
55-120R-0	Red	6VDC	7VDC	2000	**2.50**
55-120Y-0	Yellow	6VDC	7VDC	2000	**2.50**
55-120W-0	White	6VDC	7VDC	2000	**2.50**
55-121B-0	Blue	12VDC	15VDC	2800	**2.50**
55-121G-0	Green	12VDC	15VDC	1300	**2.50**
55-121R-0	Red	12VDC	15VDC	2000	**2.50**
55-121Y-0	Yellow	12VDC	15VDC	2000	**2.50**
55-121W-0	White	12VDC	15VDC	2000	**2.50**
55-122B-0	Blue	24VDC	32VDC	2800	**2.50**
55-122G-0	Green	24VDC	32VDC	1300	**2.50**
55-122R-0	Red	24VDC	32VDC	2000	**2.50**
55-122Y-0	Yellow	24VDC	32VDC	2000	**2.50**
55-122W-0	White	32VDC	32VDC	2000	**2.50**



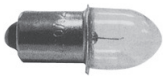


SUPER BRIGHT LED REPLACEMENT LAMPS

These LED lamps are suitable long life replacements for T3-1/4 screw or bayonet base lamps. The bottom contact is th eanode (+) and the bayonet or screw sleeve is the cathode. With internal resistor for the specified voltage.

Cat. No.	Colour	Volts	Max. Volts	MCD	If	Net Price
BAYONET BASE						
55-211B-0	Blue	12	15	4500	32mA	**$10.83**
55-211G-0	Green	12	15	17000	32mA	**10.83**
55-211R-0	Red	12	15	21000	32mA	**9.17**
55-211Y-0	Yellow	12	15	21000	32mA	**9.17**
55-211W-0	White	12	15	10000	32mA	**10.83**
55-212B-0	Blue	24	32	4500	20mA	**10.83**
55-212G-0	Green	24	32	17000	20mA	**10.83**
55-212R-0	Red	24	32	21000	20mA	**9.17**
55-212Y-0	Yellow	24	32	21000	20mA	**9.17**
55-212W-0	White	24	32	10000	20mA	**10.83**
SCREW BASE						
55-221B-0	Blue	12	15	4500	32mA	**10.83**
55-221G-0	Green	12	15	17000	32mA	**10.83**
55-221R-0	Red	12	15	21000	32mA	**9.17**
55-221Y-0	Yellow	12	15	21000	32mA	**9.17**
55-221W-0	White	12	15	10000	32mA	**10.83**
55-222B-0	Blue	24	32	4500	20mA	**10.83**
55-222G-0	Green	24	32	17000	20mA	**10.83**
55-222R-0	Red	24	32	21000	20mA	**9.17**
55-222Y-0	Yellow	24	32	21000	20mA	**9.17**
55-222W-0	White	24	32	10000	20mA	**10.83**

NOTE: This series of LED bulbs are suitable for AC or DC votlage.



B-3½ FLASHLIGHT BULBS

Cat. No.	Volts	Amps	Candle Power	Life (Hours)	Net Price
BAYONET BASE					
56-PR2-0	2.38	.50	.80	15	**$.33**
56-PR6-0	2.47	.30	.45	30	**.42**
56-PR17-0	4.90	.30	1.2	31.8	**.33**
56-PR20-0	8.63	.50	5.0	31.8	**.45**

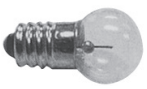




G-3½ SCREW/BAYONET BULBS

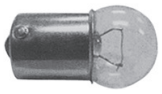
Cat. No.	Volts	Amps	Candle Power	Life (Hours)	Net Price
SCREW BASE					
56-0131-0	1.30	.10	.03	50	**$.40**
56-0013-0	3.70	.30	.98	15	**.50**
56-0050-0	7.50	.22	1.0	1000	**.33**
56-1447-0	18.0	.15	1.5	250	**.33**
BAYONET BASE					
56-0051-0	7.5	.22	1.0	1000	**.33**
56-0182-0	14.0	.18	1.0	2000	**.60**
56-0356-0	28.0	.17	3.5	500	**.33**





G-4½ SCREW/BAYONET BULBS

Cat. No.	Volts	Amps	Candle Power	Life (Hours)	Net Price
SCREW BASE					
56-0407-0	4.90	.30	1.2	50	**$.33**
56-0502-0	5.10	.15	.60	100	**.33**
56-0605-0	6.15	.50	3.4	15	**.33**
56-0430-0	14.0	.25	2.7	250	**.55**
56-0432-0	18.0	.25	3.5	250	**.64**
BAYONET BASE					
56-0055-0	7.0	.41	2.0	500	**.33**
56-0293-0	14.0	.33	2.0	7500	**.33**
56-0456-0	28.0	.17	2.0	3000	**.40**



G-6 DC BAYONET BULBS

Cat. No.	Volts	Amps	Candle Power	Life (Hours)	Net Price
BAYONET BASE					
56-0064-0	7.0	.63	3.0	1000	**$.60**
56-1178-0	13.5	.69	4.0	5000	**.75**
56-0624-0	28	.37	6.0	1000	**1.00**
56-1224-0	34.0	.16	3.8	275	**.75**



S-8 DC BAYONET BULBS

Cat. No.	Volts	Amps	Candle Power	Life (Hours)	Net Price
BAYONET BASE					
56-1076-0	12.8	1.8	32	200	**$.58**
56-1204-0	28.0	.71	21	400	**.75**
56-1638-0	28.0	1.02	32	500	**1.00**



T-1¾ BULBS

Cat. No.	Base	Volts	Amps	Candle Power	Life (Hours)	Net Price
56-1738-0	1	2.70	.06	.04	6000	**$.42**
56-2112-0	1	6.30	.20	.55	20K	**.42**
56-2162-0	1	14.0	.10	.50	10K	**.33**
56-1764-0	1	28.0	.04	.34	4000	**.33**
56-0375-0	2	3.0	.015	.003	20K	**.70**
56-0349-0	2	6.3	.20	.55	20K	**.67**
56-8918-0	2	14.0	.10	.50	10K	**.75**
56-0459-0	2	22.0	.04	.30	5000	**.50**
56-7341-0	2	28.0	.065	.65	5000	**.50**
56-7349-0	3	6.3	.20	.55	20K	**.75**
56-7373-0	3	14.0	.10	.50	10K	**.58**
56-7376-0	3	28.0	.065	.65	10K	**.58**
56-1769-0	4	2.5	.20	.20	1000	**.42**
56-0378-0	4	6.5	.20	.40	20K	**.50**
56-0373-0	4	14.0	.08	.50	2500	**.50**
56-0399-0	4	28.0	.04	.30	7000	**.50**
56-0398-0	5	6.3	.20	.55	20K	**.50**
56-0346-0	5	18.0	.04	.15	10K	**.50**
56-0334-0	5	28.0	.04	.34	25K	**.45**
56-0086-0	6	6.3	.20	.40	20K	**.33**
56-0037-0	6	14.0	.009	.50	2500	**.33**
56-0017-0	6	28.0	.065	.65	5000	**.60**



T1 BULBS

Cat. No.	Volts	Amps	Candle Power	Life (Hours)	Net Price
MIDGET FLANGE BASE					
56-0718-0	5.0	.115	.15	40K	**$1.08**
56-0022-0	14.0	.04	.132	16K	**1.08**
56-6839-0	28.0	.024	.15	16K	**1.33**
BIPIN BASE					
56-7715-0	5.0	.115	.15	40K	**.83**
56-8099-0	18.0	.026	.15	16K	**.83**
56-7839-0	28.0	.024	.15	16K	**1.08**



S-8 DC BAYONET BULBS

Cat. No.	Base	Volts	Amps	Candle Power	Life (Hours)	Net Price
56-0043-0	1	2.5	5.0	.50	3000	**$.33**
56-0755-0	1	6.3	.15	.33	20K	**.40**
56-1815-0	1	14.0	.20	1.4	3000	**.33**
56-1873-0	1	28.0	.20	3.0	2500	**.67**
56-0042-0	2	3.2	.35	.50	3000	**.33**
56-0046-0	2	6.3	.25	.90	3000	**.33**
56-1821-0	2	28.0	.17	3.5	500	**.42**
56-0259-0	3	6.3	.25	.65	5000	**.40**
56-0168-0	3	14.0	.35	3.0	1500	**.50**
56-0464-0	3	28.0	.17	3.0	1500	**.58**



T5 BULBS

Cat. No.	Volts	Amps	Candle Power	Life (Hours)	Net Price
WEDGE BASE					
56-0908-0	6.0	1.5	12	50	**$.67**
56-0904-0	13.5	.69	4.0	5000	**.67**



BATTERY SNAPS

Battery snaps for 9 volt batteries or battery holders. 24 AWG wire 150mm long.

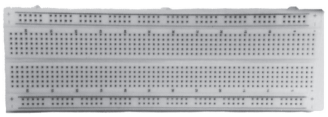
Cat. No.	Type	Net Price Per 100
ø **57-901-0**	'I' type	**$18.17**
ø **57-902-0**	'T' type	**20.83**



BATTERY SNAPS

9 volt T type molded battery snaps. 24AWG 150mm long.

Cat. No.	Net Price Per 100
ø **57-902M-0**	**$26.67**



BREADBOARD STRIPS

Breadboard strips with standard .1″ spacing. Two power strips with 100 contacts on each strip, 640 contacts on main breadboard. 88-841-0 features silver plated contacts for low contact resistance.

Cat. No.	Net Price
88-840-1	**$8.33**