

# 8058 & 8060 Series *Transistor Sockets*



8060-1G11



8060-1G6

## FEATURES:

The 8058/8060 family of teflon sockets, with beryllium copper contacts, offers many features which allow them to be utilized in the most severe applications. Low profile for close board spacing, closed sleeve for 100% prevention of solder and flux wicking. A choice of many terminal styles for greater packaging selection and ease of use. Many of these sockets meet or exceed MIL-S-83502/2 and MIL-S-83502/5.

- Two-piece socket terminal - four fingered inner contact and machined outer sleeve
- Low profile for tight space applications
- Sockets accept 0,41/.016 to 0,51/.020 diameter leads
- Printed circuit, solder pocket and turret style terminations available
- Closed entry-design no distortion or damage to contact with misaligned or oversized leads

## MATERIAL SPECIFICATIONS:

Insulator ..... Teflon  
 Sleeve ..... Brass  
 Contact Plating ..... Beryllium copper  
 Plating ..... Contact gold, sleeve gold

## PERFORMANCE SPECIFICATIONS:

### MECHANICAL

Vibration ..... Passed MIL-STD -1344, Method 2005, 15 G's, 10 to 2,000 cycles  
 Mechanical Shock ..... Passed MIL-STD -1344, Method 2004, 10 G's, 1 to 9,000 cycles  
 Durability ..... 50 Insertions and withdrawals, MIL-S-83502/ 1, Sec. 4.7.12  
 Insertion Force ..... 4.0 lb. max., .020 dia. +.0000 probe  
 -0.0002  
 Withdrawal Force ..... 14 Grams (1/2 oz.) min. .016 dia. +.0002 probe  
 -0.0001  
 Solderability ..... MIL-STD- 202, Method 208

### ELECTRICAL

Bulk Contact  
 Resistance ..... 20 Milliohms max. per MIL-S-83502/1  
 Current Rating ..... 3 Amp DC, contact rating  
 Operating Voltage ..... 500 VDC @ atmospheric pressure  
 Dielectric Withstanding  
 Voltage ..... 600 VAC per MIL-STD -1344 , Method 3001  
 Insulation Resistance .... 2 x 10<sup>6</sup> Megohms, MIL-STD -1344, Method 3003  
 Capacitance ..... 2 pF Max., MIL-STD -202, Method 305

### ENVIRONMENTAL

Operating Temperature ...-55°C to +125°C  
 Corrosive Atmosphere .. 30 milliohms, ammonium polysulfide 10 ppm per MIL-S-83502/1 Sec. 4.7.17  
 Moisture Resistance ..... 30 Milliohms max., MIL-STD -202, Method 106  
 Thermal Shock ..... MIL-STD -1344, Method 1003

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# Transistor Sockets 8058 & 8060 Series

## PART NUMBER / STANDARD CONFIGURATIONS

Part Number	Figure	No. of Contacts	Pin Circle	A	B	C	D	E*	F Max.	Terminal Style	Mounting Hole	Transistor Lead Length	Polarization Figure
M8058-45G1	1	3	.200	.200	.265	.373	.410	.160	.406	Turret	B	.156/.218	N
M8058-1G29	3	3	.200	.200	.270	.373	.410	.140	.351	Solder Pocket			
8058-1G29	3	3	.200	.200	.270	.373	.410	.140	.351	Printed Circuit	—	.125/.155	P
8058-1G23	4	3	.200	.200	.270	.373	.410	.302	.544				
M8058-1G23	4	3	.200	.200	.270	.373	.410	.302	N/A	Wirewrap	B	.156/.218	N
8058-1G59	6	3	.200	.200	.165	N/A	.410	.125	N/A				
8058-38G6	6	3	.200	.200	.165	N/A	.410	.315	N/A	Printed Circuit	—	.125/.155	P
8058-1G62	7	3	.200	.200	.270	.373	.410	.500	.703				
M8058-45G2	1	4	.200	.200	.265	.373	.410	N/A	.406	Turret	B	.156/.218	N
M8058-1G30	3	4	.200	.200	.265	.373	.410	.140	.377	Solder Pocket			
8058-1G30	3	4	.200	.200	.270	.373	.410	.140	.347	Printed Circuit	—	.125/.155	P
M8058-1G24	4	4	.200	.200	.270	.373	.410	.347	.550				
8058-1G24	4	4	.200	.200	.270	.373	.410	.317	.550	Wirewrap	B	.156/.218	N
8058-1G63	7	4	.200	.200	.270	.373	.410	.500	.703				
8058-1G58	2	5	.200	.200	.270	.373	.410	.094	.331	Turret	B	.156/.218	N
8058-1G61	3	5	.200	.200	.270	.373	.410	.140	.336	Solder Pocket			
M8058-1G39	2	6 at 45°	.200	.200	.270	.373	.410	.094	.300	Turret	B	.156/.218	N
8058-1G43	3	6 at 60°	.200	.200	.270	.373	.410	.140	.370	Solder Pocket			
M8058-1G18	3	6 at 45°	.200	.200	.270	.373	.410	.140	.370	Printed Circuit	—	.125/.155	P
8058-1G42	4	6 at 60°	.200	.200	.270	.373	.410	.317	.561				
M8058-1G33	4	6 at 45°	.200	.200	.270	.373	.410	.317	.561	Turret	B	.156/.218	N
8058-1G48	6	6 at 60°	.200	.200	.165	N/A	.410	.125	N/A				
8058-1G52	6	6 at 45°	.200	.200	.165	N/A	.410	.125	N/A	Printed Circuit	—	.125/.155	P
M8058-1G37	2	8	.200	.200	.270	.373	.410	.094	.336				
M8058-1G19	3	8	.200	.200	.270	.373	.410	.140	.377	Solder Pocket	B	.156/.218	N
8058-1G19	3	8	.200	.200	.270	.373	.410	.140	.377				
8058-1G57	3	8	.200	.200	.270	.373	.410	.140	.315	Printed Circuit	—	.125/.155	P
M8058-1G32	4	8	.200	.200	.270	.373	.410	.317	.550				
8058-1G32	4	8	.200	.200	.270	.373	.410	.317	.550	Turret	B	.156/.218	N
8058-39G1	5	8	.200	.330	.375	.373	.410	.187	.505				
8058-39G3	5	8	.200	.380	.375	.373	.410	.150	.470	Printed Circuit	—	.125/.155	P
8058-39G5	5	8	.200	.380	.375	.373	.410	.150	.470				
8058-1G49	6	8	.200	.200	.165	N/A	.410	.125	N/A	Turret	B	.156/.218	N
8058-1G47	2	8	.230	.230	.270	.373	.410	.094	.300				
8058-1G46	3	8	.230	.230	.270	.373	.410	.138	.346	Solder Pocket	B	.156/.218	N
8058-1G45	4	8	.230	.230	.270	.373	.410	.302	.534				
8058-39G4	5	8	.230	.380	.375	.373	.410	.155	.467	Printed Circuit	—	.125/.165	PN
8058-39G6	5	8	.230	.380	.375	.373	.410	.150	.467				
8058-1G50	6	8	.230	.230	.165	N/A	.410	.125	N/A	Turret	B	.156/.218	N
M8058-1G38	2	10	.230	.230	.270	.373	.410	.094	.331				
M8058-1G22	3	10	.230	.230	.270	.373	.410	.141	.377	Solder Pocket	B	.156/.218	N
M8058-1G31	4	10	.230	.230	.270	.373	.410	.317	.561				
8058-1G31	4	10	.230	.230	.270	.373	.410	.317	.561	Printed Circuit	—	.125/.155	P
8058-24G1	5	10	.230	.380	.375	.373	.410	.187	.505				
8058-1G34	6	10	.230	.230	.165	N/A	.410	.125	N/A	Turret	B	.156/.218	N
M8058-1G91	6	10	.230	.230	.165	N/A	.410	.125	N/A				
8058-1G55	5	12	.250	.380	.375	.373	.410	.155	.467	Printed Circuit	—	.125/.155	P
8058-1G51	6	12	.280	.280	.165	N/A	.410	.125	N/A				

\* Dimension E ± .031  
(0,79)

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Part Number	Figure	Number of Contacts	Pin Circle	A	B	C	D	E*	F Max.	Terminal Style	Mtg. Hole Figure	Transistor Lead Length	Polarization Figure
8060-1G5	3	3	.100	.100	.268	.227	.255	.146	.350	Solder Pocket	A	.156/.218	N
8060-1G17	3	3	.100	.100	.320	.227	.255	.084	.427	Turret			
8060-1G9	2	3	.100	.100	.268	.227	.255	.094	.372	Printed Circuit	—	.125/.155	P
8060-1G11	4	3	.100	.100	.330	.227	.255	.240	.580				
8060-1G7	5	3	.100	.200	.410	.227	.255	.170	.616				
8060-1G3	6	3	.100	.150	.195	N/A	.255	.103	N/A	Solder Pocket	A	.156/.218	N
8060-1G13	6	3	.100	.100	.195	N/A	.255	.103	N/A				
8060-1G6	3	4	.100	.100	.265	.227	.255	.146	.350	Printed Circuit	—	.125/.155	P
8060-1G10	2	4	.100	.100	.265	.227	.255	.094	.310				
8060-1G12	4	4	.100	.100	.330	.227	.255	.240	.553				
8060-1G8	5	4	.100	.200	.390	.227	.255	.187	.530	Solder Pocket	A	.156/.218	N
8060-1G4	6	4	.100	.150	.195	N/A	.255	.103	N/A				
8060-1G22	6	4	.100	.100	.195	N/A	.255	.295	N/A	Printed Circuit	—	.125/.155	P

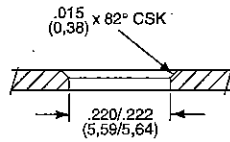
\* Dimension E ± .031  
(0,79)

All part number prefixed with (M) meet MIL-83502/1 or MIL-83502/6.

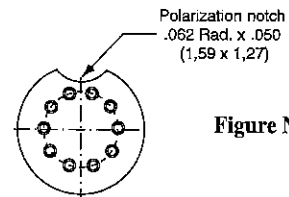
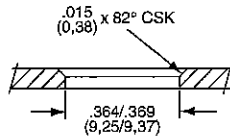
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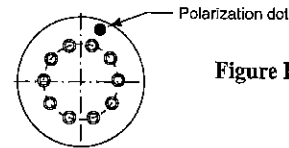
**Figure A**  
Recommended Chassis Cutout  
for all 8060 Series panel  
mount applications



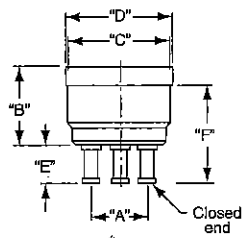
**Figure B**  
Recommended Chassis Cutout  
for all 8058 Series panel  
mount applications



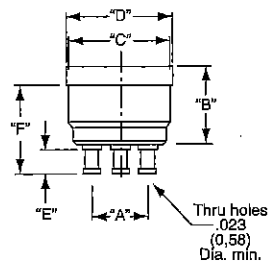
**Figure N**



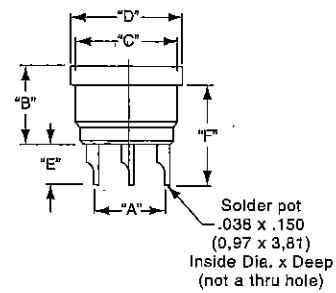
**Figure P**



**Figure 1**

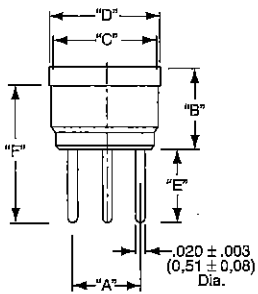


**Figure 2**

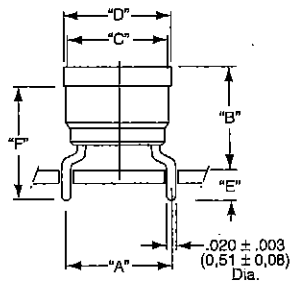


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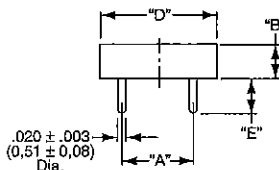
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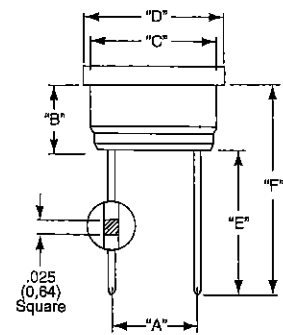
**Figure 4**



**Figure 5**



**Figure 6**



**Figure 7**