

**Transistor Sockets**

**8058 & 8060 Series**



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

**Note:** Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

**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 -.0002  
 Withdrawal Force .....14 Grams (1/2 oz.) min. .016 dia. +.0002 probe -.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



Sockets

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#### 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				
8058-1G59	6	3	.200	.200	.165	N/A	.410	.125	N/A	Wirewrap	B	.156/.218	N
8058-38G6	6	3	.200	.200	.165	N/A	.410	.315	N/A				
8058-1G62	7	3	.200	.200	.270	.373	.410	.500	.703	Turret	B	.156/.218	N
M8058-45G2	1	4	.200	.200	.265	.373	.410	N/A	.406				
M8058-1G30	3	4	.200	.200	.265	.373	.410	.140	.377	Solder Pocket	—	.125/.155	P
8058-1G30	3	4	.200	.200	.270	.373	.410	.140	.347				
M8058-1G24	4	4	.200	.200	.270	.373	.410	.347	.550	Printed Circuit	B	.156/.218	N
8058-1G24	4	4	.200	.200	.270	.373	.410	.317	.550				
8058-1G63	7	4	.200	.200	.270	.373	.410	.500	.703	Wirewrap	B	.156/.218	N
8058-1G58	2	5	.200	.200	.270	.373	.410	.094	.331				
8058-1G61	3	5	.200	.200	.270	.373	.410	.140	.336	Solder Pocket	—	.125/.155	P
M8058-1G39	2	6 at 45°	.200	.200	.270	.373	.410	.094	.300				
8058-1G43	3	6 at 60°	.200	.200	.270	.373	.410	.140	.370	Turret	B	.156/.218	N
M8058-1G18	3	6 at 45°	.200	.200	.270	.373	.410	.140	.370				
8058-1G42	4	6 at 60°	.200	.200	.270	.373	.410	.317	.561	Solder Pocket	—	.125/.155	P
M8058-1G33	4	6 at 45°	.200	.200	.270	.373	.410	.317	.561				
8058-1G48	6	6 at 60°	.200	.200	.165	N/A	.410	.125	N/A	Printed Circuit	B	.156/.218	N
8058-1G52	6	6 at 45°	.200	.200	.165	N/A	.410	.125	N/A				
M8058-1G37	2	8	.200	.200	.270	.373	.410	.094	.336	Turret	B	.156/.218	N
M8058-1G19	3	8	.200	.200	.270	.373	.410	.140	.377				
8058-1G19	3	8	.200	.200	.270	.373	.410	.140	.377	Solder Pocket	—	.125/.155	P
8058-1G57	3	8	.200	.200	.270	.373	.410	.140	.315				
M8058-1G32	4	8	.200	.200	.270	.373	.410	.317	.550	Printed Circuit	B	.156/.218	N
8058-1G32	4	8	.200	.200	.270	.373	.410	.317	.550				
8058-39G1	5	8	.200	.380	.375	.373	.410	.187	.505	Printed Circuit	—	.125/.155	P
8058-39G3	5	8	.200	.380	.375	.373	.410	.150	.470				
8058-39G5	5	8	.200	.380	.375	.373	.410	.150	.470	Turret	B	.156/.218	N
8058-1G49	6	8	.200	.200	.165	N/A	.410	.125	N/A				
8058-1G47	2	8	.230	.230	.270	.373	.410	.094	.300	Solder Pocket	—	.125/.165	P
8058-1G46	3	8	.230	.230	.270	.373	.410	.138	.346				
8058-1G45	4	8	.230	.230	.270	.373	.410	.302	.534	Printed Circuit	B	.156/.218	N
8058-39G4	5	8	.230	.380	.375	.373	.410	.155	.467				
8058-39G6	5	8	.230	.380	.375	.373	.410	.150	.467	Printed Circuit	—	.125/.165	P
8058-1G50	6	8	.230	.230	.165	N/A	.410	.125	N/A				
M8058-1G38	2	10	.230	.230	.270	.373	.410	.094	.331	Turret	B	.156/.218	N
M8058-1G22	3	10	.230	.230	.270	.373	.410	.141	.377				
M8058-1G31	4	10	.230	.230	.270	.373	.410	.317	.561	Solder Pocket	—	.125/.155	P
8058-1G31	4	10	.230	.230	.270	.373	.410	.317	.561				
8058-24G1	5	10	.230	.380	.375	.373	.410	.187	.505	Printed Circuit	B	.156/.218	N
8058-1G34	6	10	.230	.230	.165	N/A	.410	.125	N/A				
M8058-1G91	6	10	.230	.230	.165	N/A	.410	.125	N/A	Turret	—	.156/.218	N
8058-1G55	5	12	.250	.380	.375	.373	.410	.155	.467				
8058-1G51	6	12	.280	.280	.165	N/A	.410	.125	N/A	Solder Pocket	B	.125/.155	P

\* Dimension E ± .031  
(0,79)

**Note:** Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

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#### PART NUMBER / STANDARD CONFIGURATIONS

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				
8060-1G9	2	3	.100	.100	.268	.227	.255	.094	.372	Turret	—	.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	Printed Circuit	—	.125/.155	P
8060-1G3	6	3	.100	.150	.195	N/A	.255	.103	N/A				
8060-1G13	6	3	.100	.100	.195	N/A	.255	.103	N/A	Solder Pocket	A	.156/.218	N
8060-1G6	3	4	.100	.100	.265	.227	.255	.146	.350				
8060-1G10	2	4	.100	.100	.265	.227	.255	.094	.310	Turret	—	.156/.218	N
8060-1G12	4	4	.100	.100	.330	.227	.255	.240	.553				
8060-1G8	5	4	.100	.200	.390	.227	.255	.187	.530	Printed Circuit	—	.125/.155	P
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				

\* Dimension E ± .031  
(0,79)

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

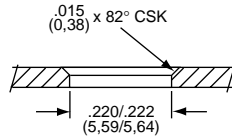
**Note:** Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.



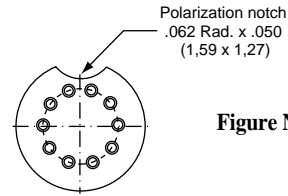
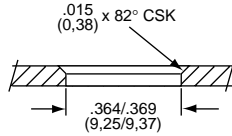
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**8058 & 8060 Series**

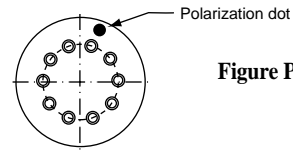
**Figure A**  
Recommended Chassis Cutout  
for all 8060 Series panel  
mount applications



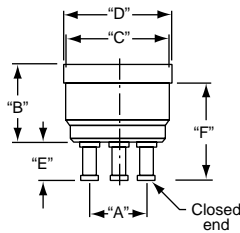
**Figure B**  
Recommended Chassis Cutout  
for all 8058 Series panel  
mount applications



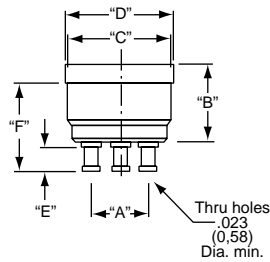
**Figure N**



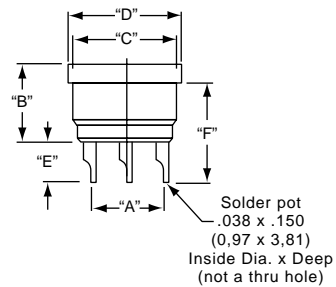
**Figure P**



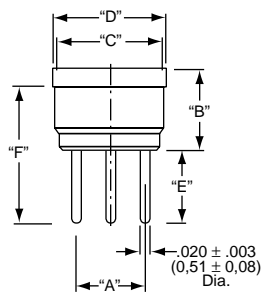
**Figure 1**



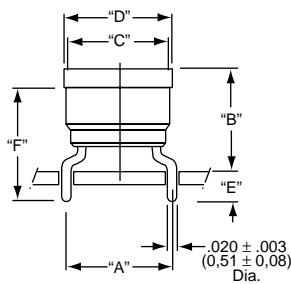
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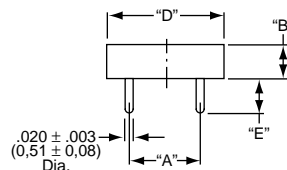
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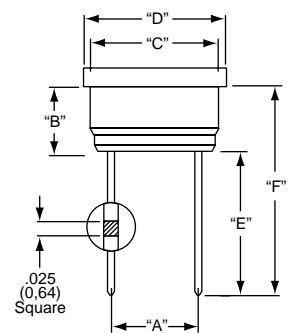
**Figure 4**



**Figure 5**



**Figure 6**



**Figure 7**

**Note:** Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

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