

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:

InsulatorTeflon
 SleeveBrass
 Contact PlatingBeryllium copper
 PlatingContact gold, sleeve gold

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

PERFORMANCE SPECIFICATIONS:

MECHANICAL

VibrationPassed MIL-STD -1344, Method 2005, 15 G's, 10 to 2,000 cycles
 Mechanical ShockPassed MIL-STD -1344, Method 2004, 10 G's, 1 to 9,000 cycles
 Durability50 Insertions and withdrawals, MIL-S-83502/ 1, Sec. 4.7.12
 Insertion Force4.0 lb. max., .020 dia. +.0000 probe -.0002
 Withdrawal Force14 Grams (1/2 oz.) min. .016 dia. +.0002 probe -.0001
 SolderabilityMIL-STD- 202, Method 208

ELECTRICAL

Bulk Contact
 Resistance20 Milliohms max. per MIL-S-83502/1
 Current Rating3 Amp DC, contact rating
 Operating Voltage500 VDC @ atmospheric pressure
 Dielectric Withstanding
 Voltage600 VAC per MIL-STD -1344 , Method 3001
 Insulation Resistance 2×10^6 Megohms, MIL-STD -1344, Method 3003
 Capacitance2 pF Max., MIL-STD -202, Method 305

ENVIRONMENTAL

Operating Temperature-55°C to +125°C
 Corrosive Atmosphere30 milliohms, ammonium polysulfide 10 ppm per MIL-S-83502/1 Sec. 4.7.17
 Moisture Resistance30 Milliohms max., MIL-STD -202, Method 106
 Thermal ShockMIL-STD -1344, Method 1003

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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	.330	.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.

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

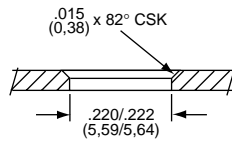


Figure B
Recommended Chassis Cutout
for all 8058 Series panel
mount applications

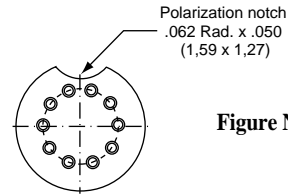
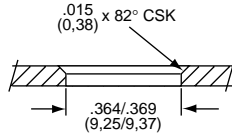


Figure N

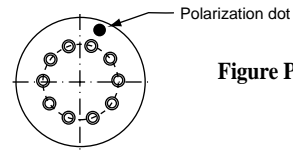


Figure P

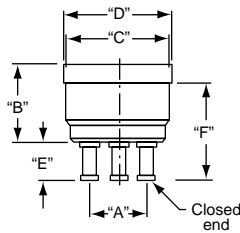


Figure 1

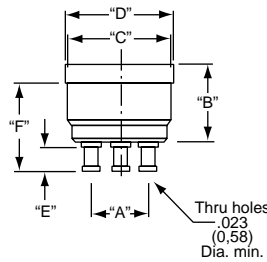


Figure 2

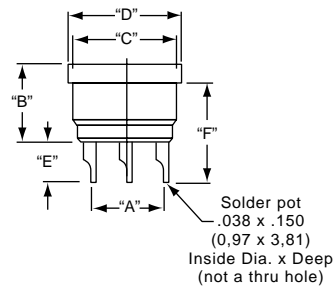


Figure 3

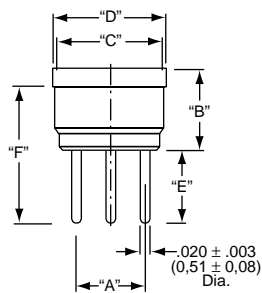


Figure 4

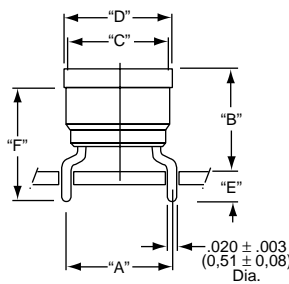


Figure 5

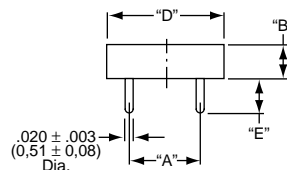


Figure 6

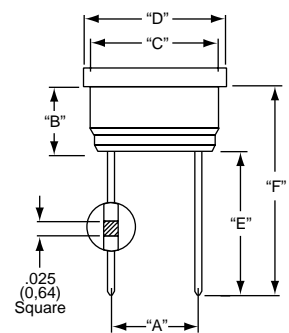


Figure 7

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

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