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 10^6 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

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				
8058-1G23	4	3	.200	.200	.270	.373	.410	.302	.544	Printed Circuit	—		
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			.125/.155	P
8058-38G6	6	3	.200	.200	.165	N/A	.410	.315	N/A				
8058-1G62	7	3	.200	.200	.270	.373	.410	.500	.703	Wirewrap	B		N
M8058-45G2	1	4	.200	.200	.265	.373	.410	N/A	.406	Turret		.156/.218	
M8058-1G30	3	4	.200	.200	.265	.373	.410	.140	.377	Solder Pocket			
8058-1G30	3	4	.200	.200	.270	.373	.410	.140	.347				
M8058-1G24	4	4	.200	.200	.270	.373	.410	.347	.550	Printed Circuit	—		
8058-1G24	4	4	.200	.200	.270	.373	.410	.317	.550				
8058-1G63	7	4	.200	.200	.270	.373	.410	.500	.703	Wirewrap	B	.125/.155	
8058-1G58	2	5	.200	.200	.270	.373	.410	.094	.331	Turret		.156/.218	
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			
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				
8058-1G42	4	6 at 60°	.200	.200	.270	.373	.410	.317	.561	Printed Circuit	—		
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			.125/.155	P
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	Solder Pocket			
8058-1G19	3	8	.200	.200	.270	.373	.410	.140	.377				
8058-1G57	3	8	.200	.200	.270	.373	.410	.140	.315				
M8058-1G32	4	8	.200	.200	.270	.373	.410	.317	.550	Printed Circuit	—		
8058-1G32	4	8	.200	.200	.270	.373	.410	.317	.550				
8058-39G1	5	8	.200	.330	.375	.373	.410	.187	.505				
8058-39G3	5	8	.200	.380	.375	.373	.410	.150	.470				
8058-39G5	5	8	.200	.380	.375	.373	.410	.150	.470				
8058-1G49	6	8	.200	.200	.165	N/A	.410	.125	N/A			.125/.155	P
8058-1G47	2	8	.230	.230	.270	.373	.410	.094	.300	Turret	B	.156/.218	N
8058-1G46	3	8	.230	.230	.270	.373	.410	.138	.346	Solder Pocket			
8058-1G45	4	8	.230	.230	.270	.373	.410	.302	.534	Printed Circuit	—		
8058-39G4	5	8	.230	.380	.375	.373	.410	.155	.467				
8058-39G6	5	8	.230	.380	.375	.373	.410	.150	.467				PN
8058-1G50	6	8	.230	.230	.165	N/A	.410	.125	N/A			.125/.165	P
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	Solder Pocket			
M8058-1G31	4	10	.230	.230	.270	.373	.410	.317	.561	Printed Circuit	—		
8058-1G31	4	10	.230	.230	.270	.373	.410	.317	.561				
8058-24G1	5	10	.230	.380	.375	.373	.410	.187	.505				
8058-1G34	6	10	.230	.230	.165	N/A	.410	.125	N/A			.125/.155	P
M8058-1G91	6	10	.230	.230	.165	N/A	.410	.125	N/A				
8058-1G55	5	12	.250	.380	.375	.373	.410	.155	.467			.156/.218	N
8058-1G51	6	12	.280	.280	.165	N/A	.410	.125	N/A			.125/.155	P

* Dimension **E** ± .031 (0,79)

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

Transistor Sockets

8058 & 8060 Series

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			
8060-1G11	4	3	.100	.100	.330	.227	.255	.240	.580	Printed Circuit	—		
8060-1G7	5	3	.100	.200	.410	.227	.255	.170	.616				
8060-1G3	6	3	.100	.150	.195	N/A	.255	.103	N/A			.125/.155	P
8060-1G13	6	3	.100	.100	.195	N/A	.255	.103	N/A				
8060-1G6	3	4	.100	.100	.265	.227	.255	.146	.350	Solder Pocket	A	.156/.218	N
8060-1G10	2	4	.100	.100	.265	.227	.255	.094	.310	Turret			
8060-1G12	4	4	.100	.100	.330	.227	.255	.240	.553	Printed Circuit	—		
8060-1G8	5	4	.100	.200	.390	.227	.255	.187	.530				
8060-1G4	6	4	.100	.150	.195	N/A	.255	.103	N/A			.125/.155	P
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.

Transistor Sockets

8058 & 8060 Series

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

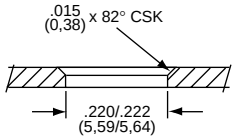
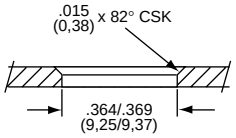


Figure B
Recommended Chassis Cutout for all 8058 Series panel mount applicaions



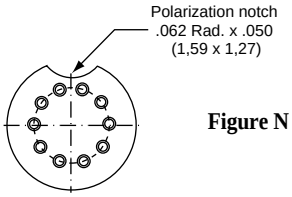


Figure N

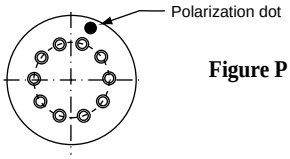


Figure P

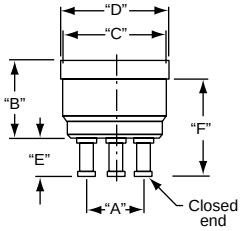


Figure 1

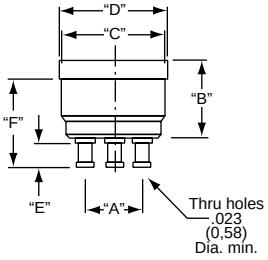


Figure 2

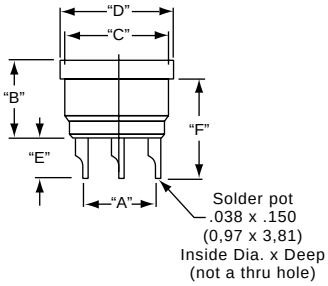


Figure 3

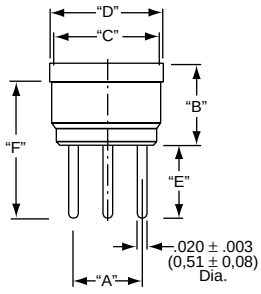


Figure 4

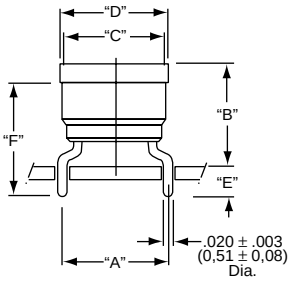


Figure 5

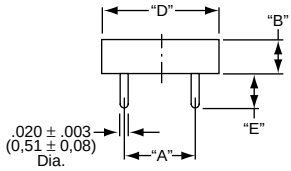


Figure 6

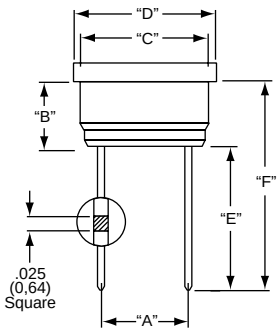


Figure 7

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