

LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			A1	REVISED PER ECO-11-004587	21MAR11	RK	HMR

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 -.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 10⁶ 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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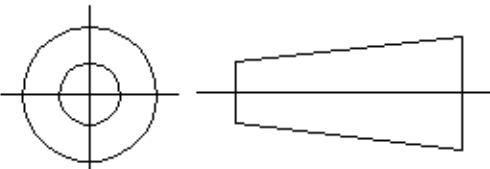
Thomas & Betts
1555 Lynnfield Road
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DIMENSIONS:		DWN	28NOV2006	MATERIAL	FINISH
INCHES		R BROWN		—	—
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	28NOV2006	TE Connectivity	
		K DeBOCK			
		APVD	28NOV2006		
		K DeBOCK			
0 PLC	± —	PRODUCT SPEC		NAME	
1 PLC	± —	—			
2 PLC	± —				
3 PLC	± —	APPLICATION SPEC		SIZE	
4 PLC	± —	—			
ANGLES	± —	WEIGHT		CAGE CODE	
		—		DRAWING NO	
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				1 OF 4	
				REV	
				A1	

LOC	DIST	REVISIONS					
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			—	SEE SHEET 1			DWN
							APVD

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

* Dimension E + .011

* Dimension E ± .031
(0,79)

↑
.155 should be
.165

Need more technical information?
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INCHES		R BROWN				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	28NOV2006	 TE Connectivity		
		K DeBOCK				
		APVD	28NOV2006			
		K DeBOCK				
PRODUCT SPEC		NAME				
APPLICATION SPEC		SOCKET, 8 PIN PRINTED CIRCUIT				
WEIGHT		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
—		A4	00779	C-1437508-5	—	
CUSTOMER DRAWING		SCALE		SHEET	REV	
		NTS		2 of 4	A1	

LOC	DIST	REVISIONS					
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		—		SEE SHEET 1	—	—	—

8058 & 8060 Series Transistor Sockets

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	—	.125/.155	P
8060-1G7	5	3	.100	.200	.410	.227	.255	.170	.616				
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			
8060-1G12	4	4	.100	.100	.330	.227	.255	.240	.553	Printed Circuit	—	.125/.155	P
8060-1G8	5	4	.100	.200	.390	.227	.255	.187	.530				
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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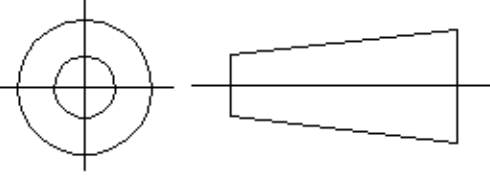
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		K DeBOCK				
0 PLC ± —		PRODUCT SPEC		NAME		
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2 PLC ± —		APPLICATION SPEC				
3 PLC ± —		—				
4 PLC ± —						
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CUSTOMER DRAWING		SCALE		DRAWING NO		
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		3 of 4		—		
		REV		A1		

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AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE SHEET 1	—	—	—

Transistor Sockets 8058 & 8060 Series

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

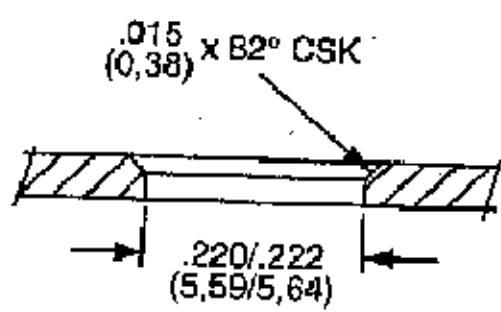


Figure B
Recommended Chassis Cutout
for all 8058 Series panel
mount applicaions

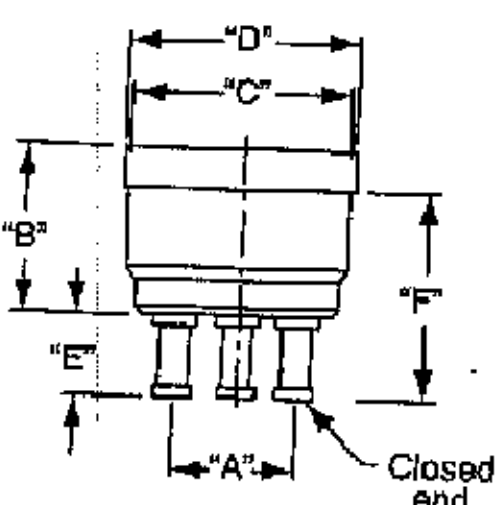
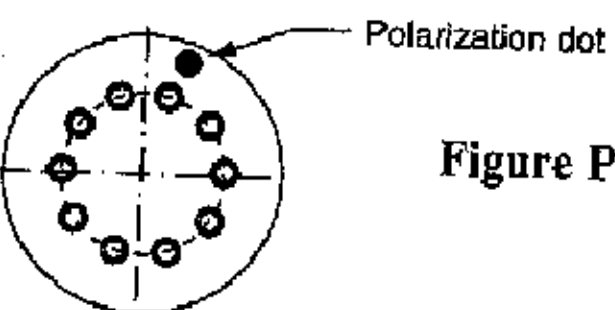
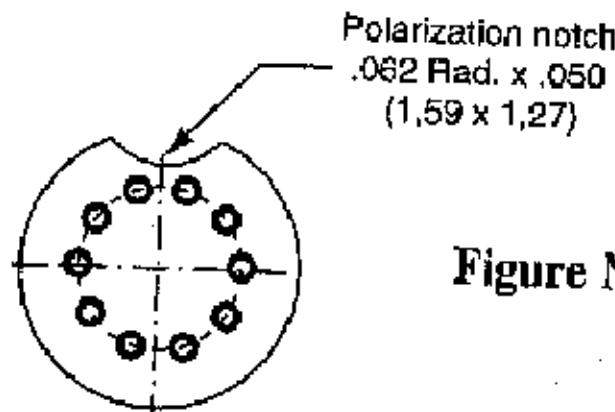
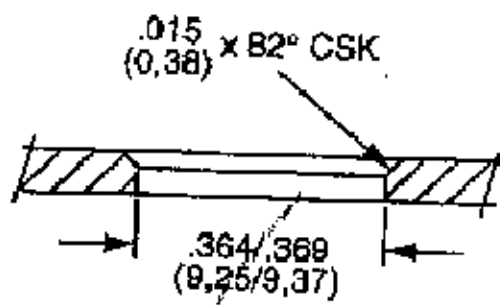


Figure 1

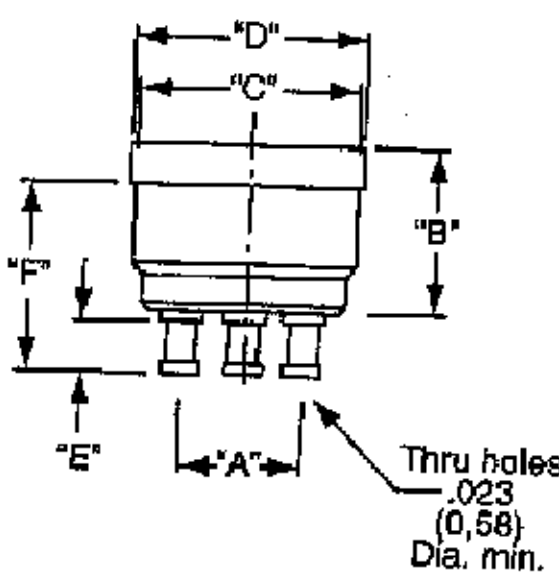


Figure 2

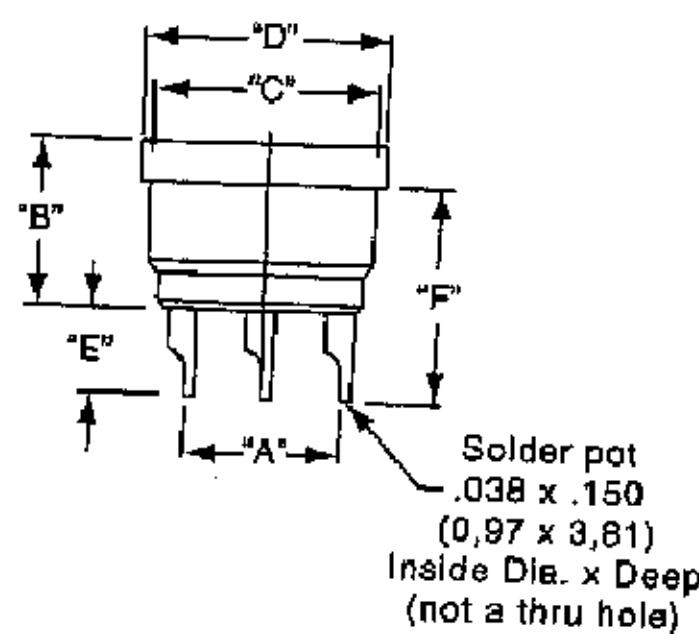


Figure 3

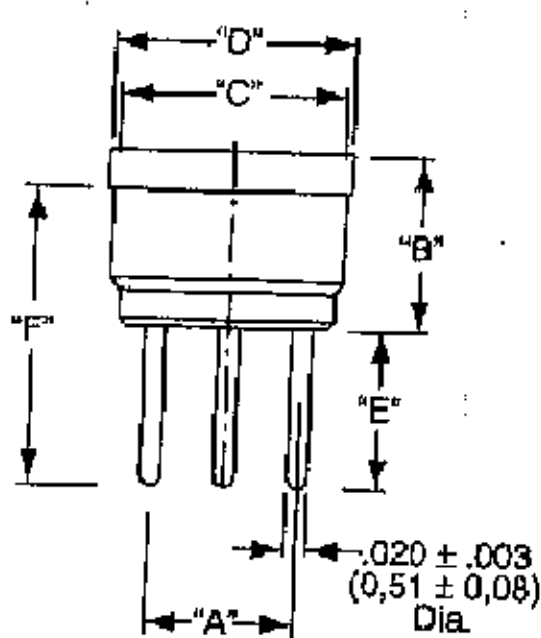


Figure 4

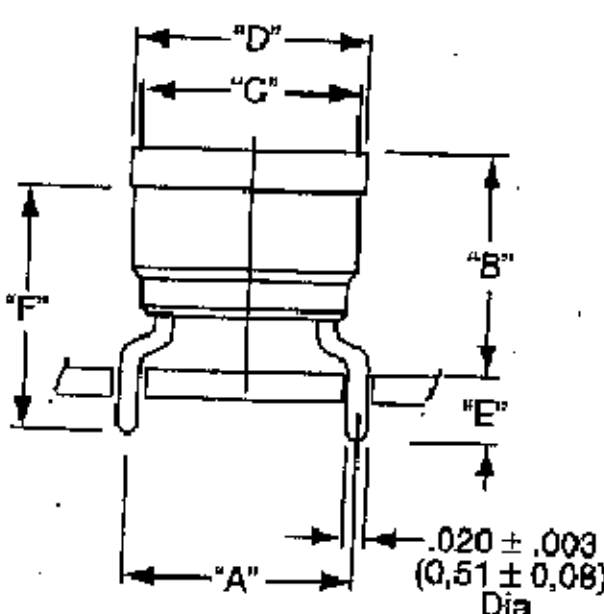


Figure 5

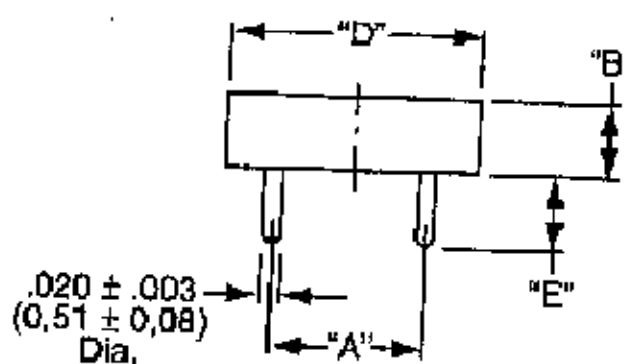


Figure 6

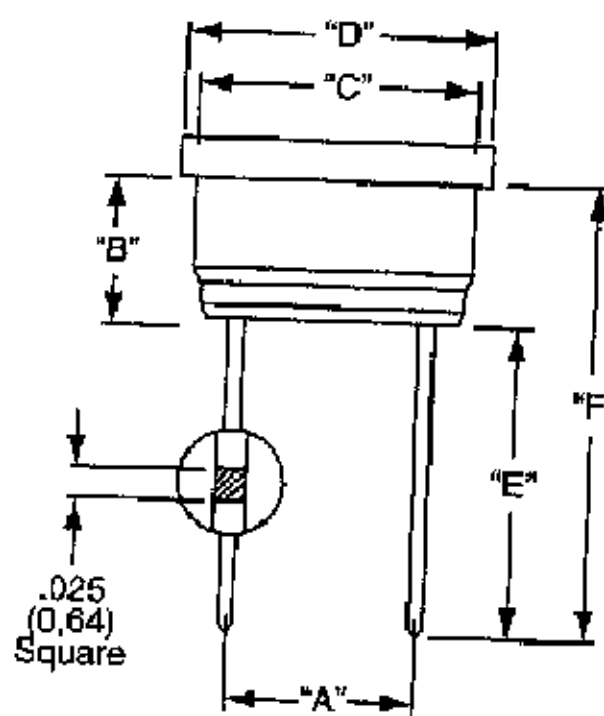


Figure 7

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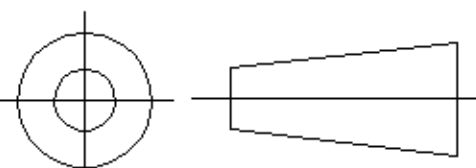
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		APVD	28NOV2006		
		K DeBOCK			
0 PLC ± —		PRODUCT SPEC		NAME SOCKET, 8 PIN PRINTED CIRCUIT	
1 PLC ± —					
2 PLC ± —		APPLICATION SPEC			
3 PLC ± —				SIZE	
4 PLC ± —		WEIGHT		CAGE CODE	
ANGLES ± —				DRAWING NO	
		CUSTOMER DRAWING		RESTRICTED TO	
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				SHEET	
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