

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		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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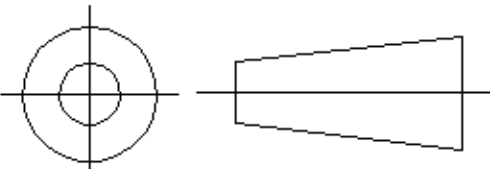
Thomas & Betts
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DIMENSIONS:		DWN	28NOV2006	MATERIAL	FINISH
INCHES		R BROWN		—	—
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	28NOV2006	TE Connectivity	
		K DeBOCK			
		APVD	28NOV2006		
		K DeBOCK			
0 PLC	± —	PRODUCT SPEC		NAME	
1 PLC	± —	—			
2 PLC	± —				
3 PLC	± —	APPLICATION SPEC		SIZE	
4 PLC	± —	—			
ANGLES	± —	WEIGHT		CAGE CODE	
		—		DRAWING NO	
		CUSTOMER DRAWING		RESTRICTED TO	
				—	
				SCALE	
				SHEET	
				REV	

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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	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					
8058-1G30	3	4	.200	.200	.270	.373	.410	.140	.347	Printed Circuit	—	.125/.155	N	
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					Turret
8058-1G58	2	5	.200	.200	.270	.373	.410	.094	.331					Solder Pocket
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	.156/.218	N	
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					
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					
M8058-1G32	4	8	.200	.200	.270	.373	.410	.317	.550	Printed Circuit	—	.125/.155	P	
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	Printed Circuit	B	.156/.218	N	
8058-39G5	5	8	.200	.380	.375	.373	.410	.150	.470					
8058-1G49	6	8	.200	.200	.165	N/A	.410	.125	N/A					
8058-1G47	2	8	.230	.230	.270	.373	.410	.094	.300	Turret	B	.125/.155	P	
8058-1G46	3	8	.230	.230	.270	.373	.410	.138	.346	Solder Pocket				
8058-1G45	4	8	.230	.230	.270	.373	.410	.302	.534					
8058-39G4	5	8	.230	.380	.375	.373	.410	.155	.467	Printed Circuit	—	.156/.218	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					
M8058-1G38	2	10	.230	.230	.270	.373	.410	.094	.331	Turret	B	.125/.165	P	
M8058-1G22	3	10	.230	.230	.270	.373	.410	.141	.377	Solder Pocket				
M8058-1G31	4	10	.230	.230	.270	.373	.410	.317	.561					
8058-1G31	4	10	.230	.230	.270	.373	.410	.317	.561	Printed Circuit	—	.156/.218	N	
8058-24G1	5	10	.230	.380	.375	.373	.410	.187	.505					
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	—	.125/.155	P	
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

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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	—	
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		NTS		2 of 4	A1	

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AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
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8058 & 8060 Series Transistor Sockets

PART NUMBER / STANDARD CONFIGURATIONS

Not met length

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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TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	28NOV2006	TE Connectivity			
		K DeBOCK					
		APVD	28NOV2006				
		K DeBOCK					
0 PLC ± —		PRODUCT SPEC		NAME			
1 PLC ± —		—		SOCKET, 8 PIN PRINTED CIRCUIT			
2 PLC ± —		APPLICATION SPEC					
3 PLC ± —		—					
4 PLC ± —							
ANGLES ± —		WEIGHT		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		—		A4	00779	C-1437508-5	—
CUSTOMER DRAWING				SCALE	NTS	SHEET 3 of 4	REV A1

LOC	DIST	REVISIONS					
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 applications

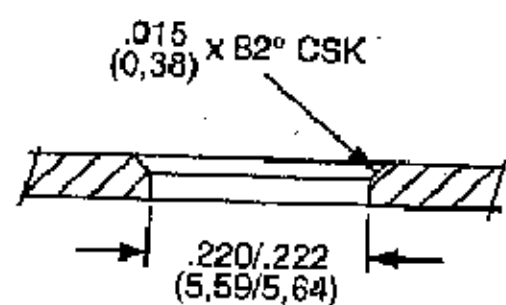


Figure B
Recommended Chassis Cutout
for all 8058 Series panel
mount applications

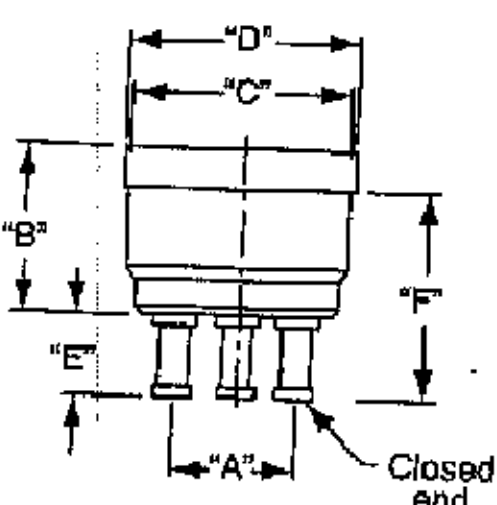
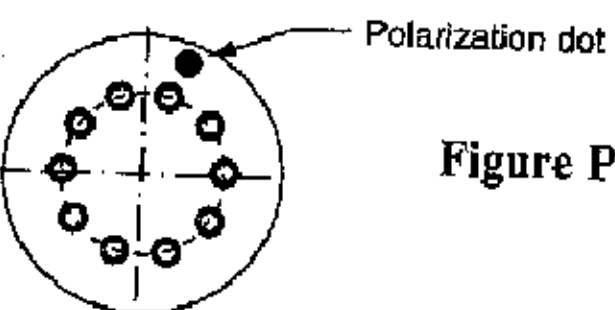
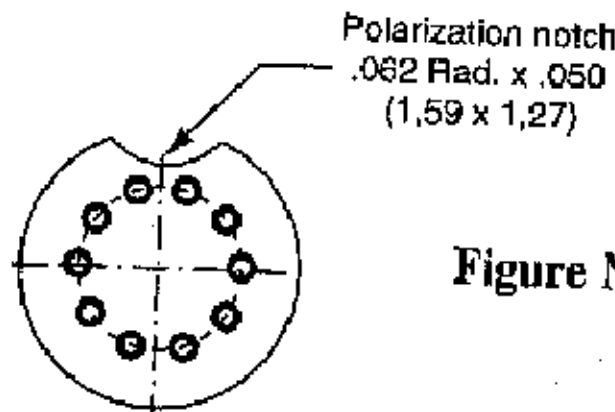
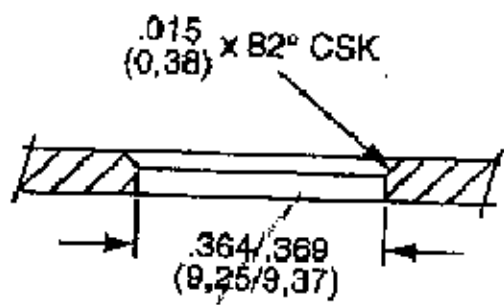


Figure 1

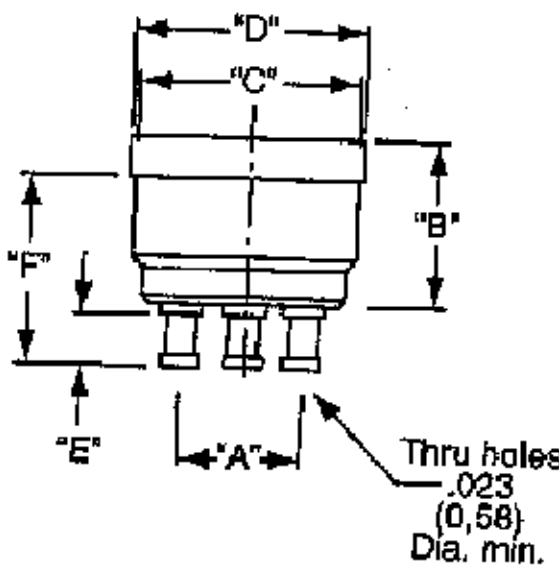


Figure 2

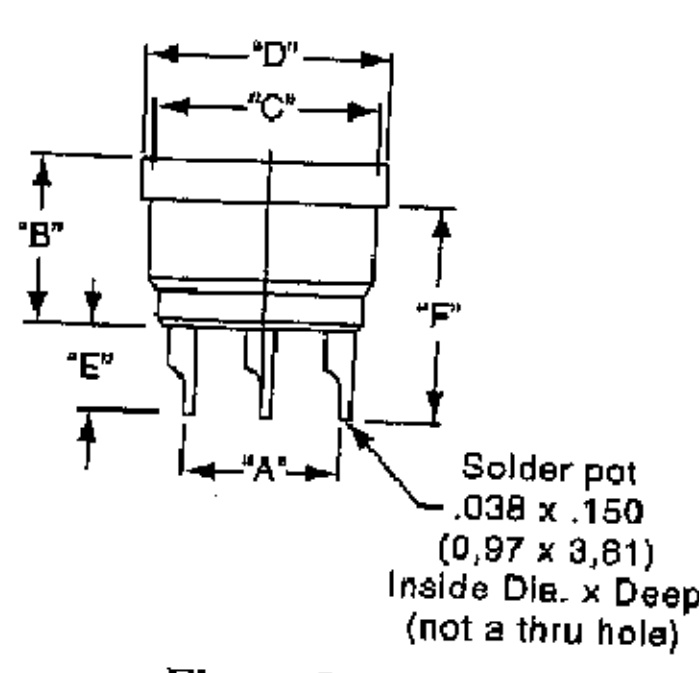


Figure 3

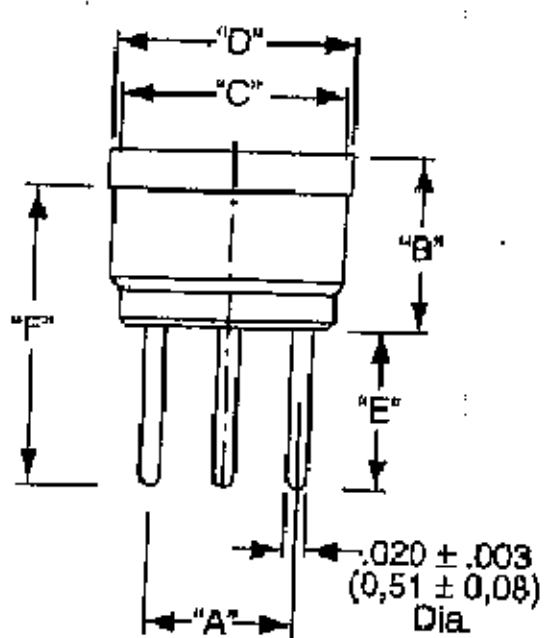


Figure 4

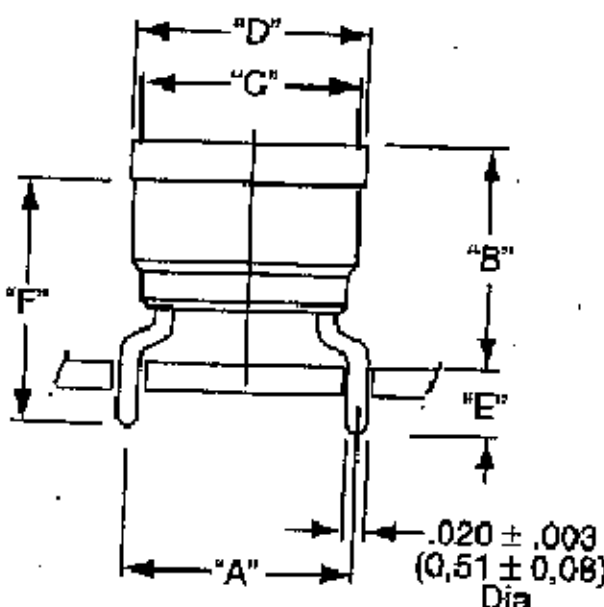


Figure 5

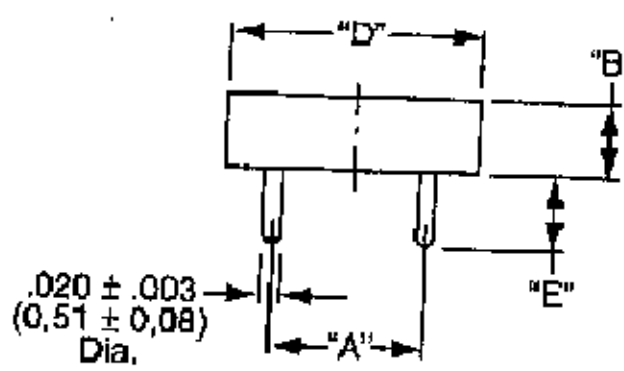


Figure 6

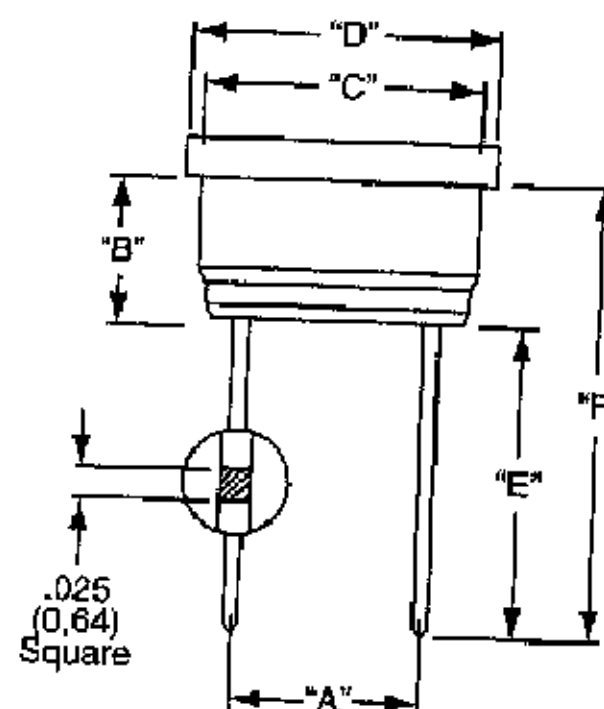


Figure 7

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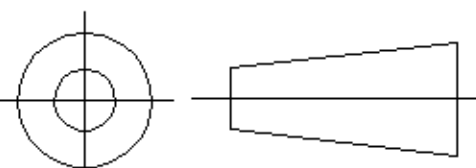
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		APVD	28NOV2006		
		K DeBOCK	28NOV2006		
0 PLC ± —		PRODUCT SPEC		NAME SOCKET, 8 PIN PRINTED CIRCUIT	
1 PLC ± —					
2 PLC ± —		APPLICATION SPEC			
3 PLC ± —				SIZE	CAGE CODE
4 PLC ± —				A4	00779
ANGLES ± —		WEIGHT		DRAWING NO	RESTRICTED TO
				C-1437508-5	
		CUSTOMER DRAWING	SCALE	SHEET	REV
			NTS	4 of 4	A1