

LOC	DIST	REVISIONS			
AD	00	P	LTR	DESCRIPTION	DATE
			A	ECO-05-009783	28NOV2006
					DWN
					APVD
					RB
					KD

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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DIMENSIONS:		DWN	28NOV2006	MATERIAL		FINISH	
INCHES		R BROWN					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	28NOV2006	tyco Electronics Tyco Electronics Corporation Harrisburg, PA 17105-3608			
		K DeBOCK					
		APVD	28NOV2006				
		K DeBOCK		NAME SOCKET, 8 PIN PRINTED CIRCUIT			
		PRODUCT SPEC					
		APPLICATION SPEC					
0 PLC ± -				SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
1 PLC ± -				A4	00779	© 1437508-5	
2 PLC ± -				CUSTOMER DRAWING SCALE NTS SHEET 1 OF 4 REV A			
3 PLC ± -							
4 PLC ± -							
ANGLES ± -							
		WEIGHT					

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

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			
M8058-1G29	3	3	.200	.200	.270	.373	.410	.140	.351	Solder Pocket	B	.156/.218	N
8058-1G29	3	3	.200	.200	.270	.373	.410	.140	.351	Solder Pocket			
8058-1G23	4	3	.200	.200	.270	.373	.410	.140	.351	Solder Pocket			
M8058-1G23	4	3	.200	.200	.270	.373	.410	.140	.351	Solder Pocket			
8058-1G59	6	3	.200	.200	.165	N/A	.410	.125	N/A	Printed Circuit			
8058-38G6	6	3	.200	.200	.165	N/A	.410	.125	N/A	Printed Circuit			
8058-1G62	7	3	.200	.200	.270	.373	.410	.140	.351	Wirewrap		.125/.155	P
M8058-45G2	1	4	.200	.200	.265	.373	.410	.160	.406	Turret			
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	Solder Pocket			
M8058-1G24	4	4	.200	.200	.270	.373	.410	.140	.347	Printed Circuit			
8058-1G24	4	4	.200	.200	.270	.373	.410	.140	.347	Printed Circuit			
8058-1G63	7	4	.200	.200	.270	.373	.410	.140	.377	Wirewrap		.125/.155	N
8058-1G58	2	5	.200	.200	.270	.373	.410	.140	.336	Solder Pocket	B	.156/.218	N
8058-1G61	3	5	.200	.200	.270	.373	.410	.140	.336	Solder Pocket			
M8058-1G39	2	6 at 45°	.200	.200	.270	.373	.410	.140	.370	Solder Pocket			
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	Solder Pocket			
8058-1G42	4	6 at 60°	.200	.200	.270	.373	.410	.140	.370	Solder Pocket			
M8058-1G33	4	6 at 45°	.200	.200	.270	.373	.410	.140	.370	Solder Pocket			
8058-1G48	6	6 at 60°	.200	.200	.270	.373	.410	.140	.370	Printed Circuit			
8058-1G52	6	6 at 45°	.200	.200	.165	N/A	.410	.125	N/A	Printed Circuit		.125/.155	P
M8058-1G37	2	8	.200	.200	.270	.373	.410	.140	.377	Turret			
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	Solder Pocket			
8058-1G57	3	8	.200	.200	.270	.373	.410	.140	.377	Solder Pocket			
M8058-1G32	4	8	.200	.200	.270	.373	.410	.140	.377	Printed Circuit			
8058-1G32	4	8	.200	.200	.270	.373	.410	.140	.377	Printed Circuit			
8058-39G1	5	8	.200	.330	.375	.373	.410	.187	.505	Printed Circuit			
8058-39G3	5	8	.200	.380	.375	.373	.410	.150	.470	Printed Circuit			
8058-39G5	5	8	.200	.380	.375	.373	.410	.150	.470	Printed Circuit			
8058-1G49	6	8	.200	.200	.165	N/A	.410	.125	N/A	Printed Circuit		.125/.155	P
8058-1G47	2	8	.230	.230	.270	.373	.410	.138	.346	Turret	B	.156/.218	N
8058-1G45	4	8	.230	.230	.270	.373	.410	.138	.346	Solder Pocket			
8058-39G4	5	8	.230	.380	.375	.373	.410	.155	.467	Printed Circuit			
8058-39G6	5	8	.230	.380	.375	.373	.410	.155	.467	Printed Circuit			
8058-1G50	6	8	.230	.380	.375	.373	.410	.155	.467	Printed Circuit			
M8058-1G38	2	10	.230	.230	.270	.373	.410	.141	.377	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	.141	.377	Solder Pocket			
8058-24G1	5	10	.230	.380	.375	.373	.410	.187	.505	Printed Circuit			
8058-1G34	6	10	.230	.380	.375	.373	.410	.187	.505	Printed Circuit			
M8058-1G91	6	10	.230	.380	.375	.373	.410	.187	.505	Printed Circuit		.125/.155	P
8058-1G55	5	12	.250	.380	.375	.373	.410	.155	.467	Printed Circuit		.156/.218	N
8058-1G51	6	12	.280	.280	.165	N/A	.410	.125	N/A	Printed Circuit		.125/.155	P

* Dimension B ± .031
(0.79)

↑
.155 should be
.165

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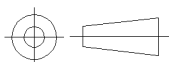
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0 PLC ± —
1 PLC ± —
2 PLC ± —
3 PLC ± —
4 PLC ± —
ANGLES ± —



DIMENSIONS:	DWN	28NOV2006	MATERIAL	FINISH
INCHES	R BROWN			
TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK	28NOV2006	tyco	Tyco Electronics Corporation
	K DeBOCK		Electronics	Harrisburg, PA 17105-3608
	APVD	28NOV2006	NAME	SOCKET, 8 PIN PRINTED CIRCUIT
	K DeBOCK		SIZE	A4
	PRODUCT SPEC		CAGE CODE	00779
	APPLICATION SPEC		DRAWING NO	C-1437508-5
	WEIGHT		RESTRICTED TO	
	CUSTOMER DRAWING		SCALE	NTS
			SHEET	2 OF 4
			REV	A

LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	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
8050-1G5	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	Turret			
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				
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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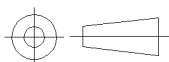
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DIMENSIONS: INCHES		DWN R BROWN 28NOV2006	MATERIAL —		FINISH —	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK K DeBOCK 28NOV2006	tyco Electronics Tyco Electronics Corporation Harrisburg, PA 17105-3608			
		APVD K DeBOCK 28NOV2006				
		PRODUCT SPEC —		NAME SOCKET, 8 PIN PRINTED CIRCUIT		
APPLICATION SPEC —		SIZE A4		CAGE CODE 00779	DRAWING NO C-1437508-5	RESTRICTED TO —
WEIGHT —		CUSTOMER DRAWING				
0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± —		SCALE NTS SHEET 3 OF 4 REV A				



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

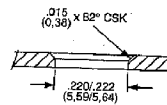


Figure B
Recommended Chassis Cutout
for all 8058 Series panel
mount applications

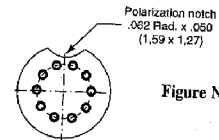
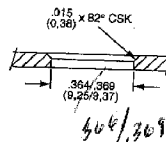


Figure N

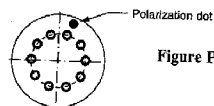


Figure P

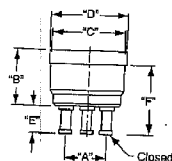


Figure 1

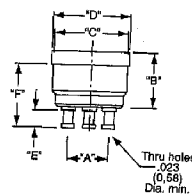


Figure 2

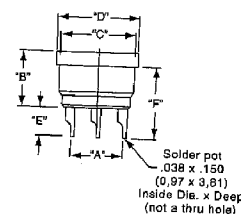


Figure 3

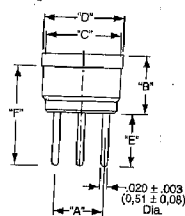


Figure 4

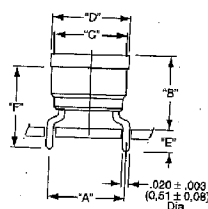


Figure 5

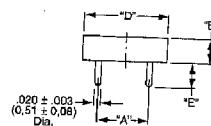


Figure 6

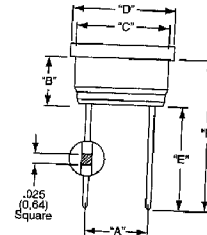


Figure 7

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TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	28NOV2006	tyco Electronics Tyco Electronics Corporation Harrisburg, PA 17105-3608			
		K	DeBOCK				
		APVD		28NOV2006			
K		DeBOCK	NAME SOCKET, 8 PIN PRINTED CIRCUIT				
PRODUCT SPEC		—					
APPLICATION SPEC		SIZECAGE CODEDRAWING NORESTRICTED TO					
—							
WEIGHT		A400779C-1437508-5—					
—		CUSTOMER DRAWING					
SCALE		NTS		SHEET		4 OF 4	
REV		A					