

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED	08MAY2017	R.Z	C.W

**Transistor & IC Low Profile Sockets**

**8059 Series**



8059-2G7

**FEATURES:**

The 8059 Series TO-5 transistor sockets are manufactured with a beryllium copper precision four fingered inner contact and brass outer sleeve. Insulators are molded in five brilliant polyamide colors, for rapid visual identification of socket pin count or pin circle. This inexpensive family of transistor sockets is available with either gold or tin/lead sleeves for even more economy.

- Ultra low profile
- Closed entry design -no distortion or damage to contact with misaligned or oversized lead
- Gold plated contacts, choice of gold or tin/lead plated leads
- Sockets accept .016 to .020 (0,41 to 0,51) diameter leads
- Five brilliant colors for easy identification when mounted on PCB
- Closed end sleeve design completely eliminates the possibility of flux or solder wicking into the contact area
- Large tapered entry for easy insertion of transistor devices

**MATERIAL SPECIFICATIONS:**

Insulator.....Glass filled polyamide nylon, UL rated 94V-0  
 Sleeve .....Brass  
 Contact .....Beryllium copper  
 Plating  
     Contact .....Gold  
     Sleeve .....Tin/lead or 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


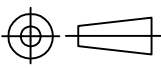
Bulk Contact  
     Resistance .....20 Milliohms max per MIL-S-83502/1  
 Current Rating.....3 Amps DC  
 Operating Voltage.....750 VDC  
 Dielectric Withstading  
     Voltage .....600 VAC per MIL-STD-1344, Method 3001  
 Insulation Resistance.....2 x 10<sup>6</sup> Megohms, MIL-STD-1344, Method 3003  
 Capacitance .....2pF Max., MIL-STD-202, Method 305

ENVIRONMENTAL

Operating Temperature ....-55°C to +125°C  
 Corrosive Atmosphere ....30 Milliohms, amonium 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

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

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DIMENSIONS: INCHES	DWN RAMBO ZHANG	08MAY2017	MATERIAL	-	FINISH	-
	CHK SIMON LI	08MAY2017	 TE Connectivity			
TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD COREL WANG	08MAY2017				
0 PLC ± -	PRODUCT SPEC		NAME 8059 SERIES TRANSISTOR SOCKETS			
1 PLC ± -	-					
2 PLC ± -	APPLICATION SPEC		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
3 PLC ± -	-		A4	00779	Ⓒ 4-1437508-4	-
4 PLC ± -	-		SCALE NTS SHEET 1 OF 2 REV A			
ANGLES ± -	WEIGHT					
		CUSTOMER DRAWING				

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		SEE SHEET 1			

Transistor & IC Low Profile Sockets

8059 Series

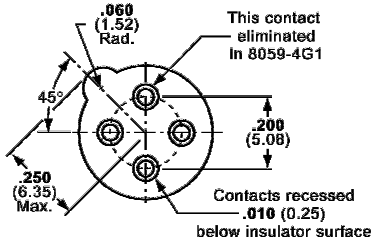


Figure 1

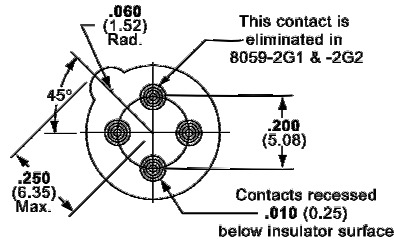


Figure 2

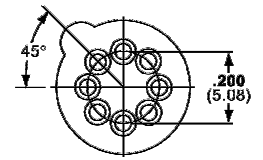


Figure 3

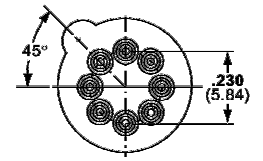


Figure 4

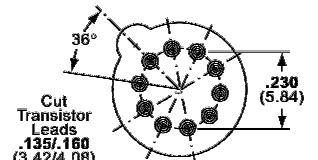


Figure 5

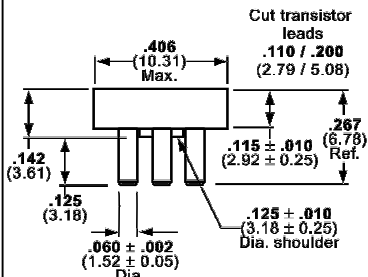


Figure A

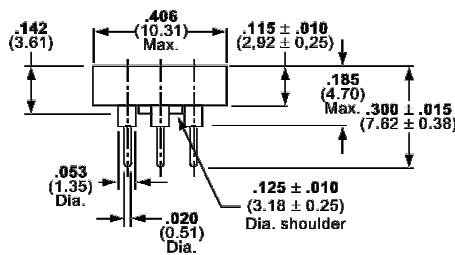


Figure B

PART NUMBER / STANDARD CONFIGURATIONS

Part Number	Figure	Number of Contacts	Pin Circle	Contact Plating	Sleeve Plating	Insulator Color
8059-4G1	1, A	3	.200 (5.08)	Gold	Gold	Red
8059-2G1	2, B			Gold	Gold	
8059-2G2				Gold	Tin/Lead	
8059-4G4	1, A	4	.200 (5.08)	Gold	Gold	Blue
8059-2G3	2, B			Gold	Gold	
8059-2G4				Gold	Tin/Lead	
8059-2G5				Gold	Gold	
8059-2G6	3, B	8	.230 (5.84)	Gold	Tin/Lead	Green
8059-2G7	4, B			Gold	Gold	
8059-2G8		10	.230 (5.84)	Gold	Tin/Lead	Orange
8059-2G9	5, B			Gold	Gold	
8059-2G10				Gold	Tin/Lead	Yellow

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	CHK	RAMBO ZHANG	08MAY2017	TE Connectivity			
TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD	SIMON LI	08MAY2017				
	PRODUCT SPEC	APVD	COREL WANG				08MAY2017
	APPLICATION SPEC	-					
0 PLC ± -	NAME		8059 SERIES				
1 PLC ± -	NAME		TRANSISTOR SOCKETS				
2 PLC ± -	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO			
3 PLC ± -	A4	00779	4-1437508-4	-			
4 PLC ± -	WEIGHT		CUSTOMER DRAWING				
ANGLES ± -	SCALE		NTS	SHEET	2 OF 2	REV	
						A	