

## 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<sup>6</sup> 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 &amp; 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   |                 |               |                        |                     |  |  |  |
| M8058-45G2  | 1      | 4               | .200       | .200 | .265 | .373 | .410 | N/A  | .406   | Turret          |               |                        |                     |  |  |  |
| M8058-1G30  | 3      | 4               | .200       | .200 | .265 | .373 | .410 | .140 | .377   | Solder Pocket   | B             | .156/.218              |                     |  |  |  |
| 8058-1G30   | 3      | 4               | .200       | .200 | .270 | .373 | .410 | .140 | .347   |                 |               |                        |                     |  |  |  |
| M8058-1G24  | 4      | 4               | .200       | .200 | .270 | .373 | .410 | .347 | .550   | Printed Circuit | —             | .125/.155              |                     |  |  |  |
| 8058-1G24   | 4      | 4               | .200       | .200 | .270 | .373 | .410 | .317 | .550   |                 |               |                        |                     |  |  |  |
| 8058-1G63   | 7      | 4               | .200       | .200 | .270 | .373 | .410 | .500 | .703   | Wirewrap        | B             | .156/.218              |                     |  |  |  |
| 8058-1G58   | 2      | 5               | .200       | .200 | .270 | .373 | .410 | .094 | .331   | Turret          |               |                        |                     |  |  |  |
| 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 | —             | .125/.155              | P                   |  |  |  |
| 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    |                 |               |                        |                     |  |  |  |
| 8058-1G52   | 6      | 6 at 45°        | .200       | .200 | .165 | N/A  | .410 | .125 | N/A    | Turret          | B             | .156/.218              | N                   |  |  |  |
| M8058-1G37  | 2      | 8               | .200       | .200 | .270 | .373 | .410 | .094 | .336   |                 |               |                        |                     |  |  |  |
| 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 | —             | .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             | .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 | —             | .125/.165              | P                   |  |  |  |
| 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    | Turret          | 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   | Solder Pocket   | —             | .125/.155              | P                   |  |  |  |
| 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    |                 |               |                        |                     |  |  |  |
| M8058-1G91  | 6      | 10              | .230       | .230 | .165 | N/A  | .410 | .125 | N/A    |                 |               |                        |                     |  |  |  |
| 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 ± .031  
(0,79)

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

## Transistor Sockets

## 8058 &amp; 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 | —                | .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    |                 |                  |                        |                     |
| 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    |                 |                  |                        |                     |
| 8060-1G22   | 6      | 4                  | .100       | .100 | .195 | N/A  | .255 | .295 | N/A    |                 |                  |                        |                     |

\* Dimension E  $\pm$  .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 &amp; 8060 Series

Figure A

Recommended Chassis Cutout  
for all 8060 Series panel  
mount applications

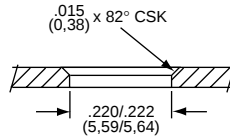
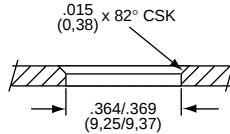


Figure B

Recommended Chassis Cutout  
for all 8058 Series panel  
mount applications



Polarization notch  
.062 Rad. x .050  
(1.59 x 1.27)

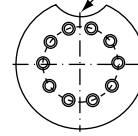


Figure N

Polarization dot

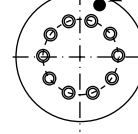


Figure P

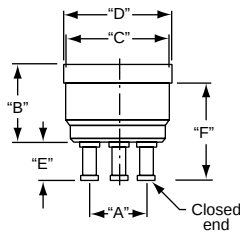


Figure 1

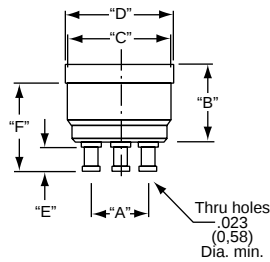


Figure 2

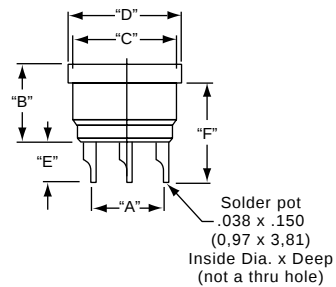


Figure 3

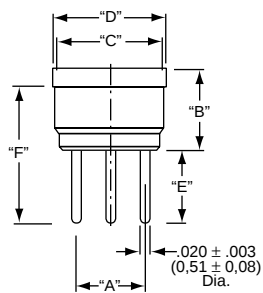


Figure 4

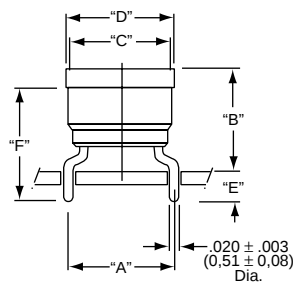


Figure 5

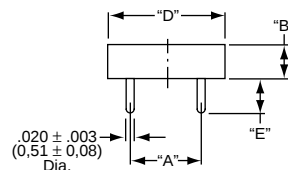


Figure 6

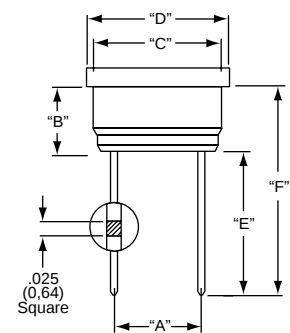


Figure 7

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