

MECHANICAL CASE OUTLINE

PACKAGE DIMENSIONS

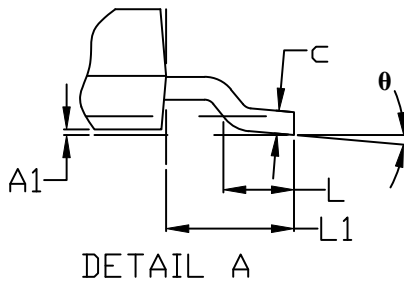
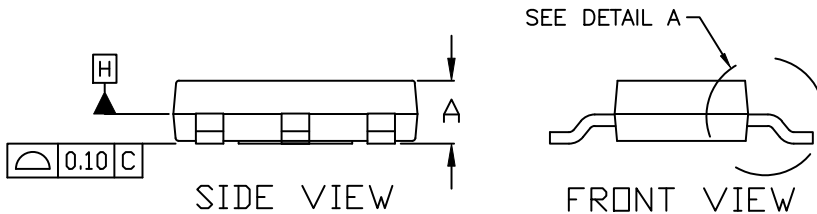
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SCALE 1:1

SOT-223 (TO-261)
CASE 318E-04
ISSUE R

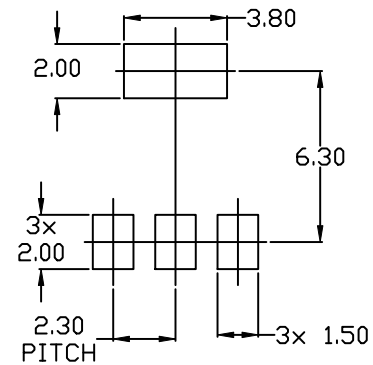
DATE 02 OCT 2018



NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
2. CONTROLLING DIMENSION: MILLIMETERS
3. DIMENSIONS D & E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH, PROTRUSIONS OR GATE BURRS SHALL NOT EXCEED 0.200MM PER SIDE.
4. DATUMS A AND B ARE DETERMINED AT DATUM H.
5. A1 IS DEFINED AS THE VERTICAL DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT OF THE PACKAGE BODY.
6. POSITIONAL TOLERANCE APPLIES TO DIMENSIONS b AND b1.

| MILLIMETERS | | | |
|-------------|----------|------|------|
| DIM | MIN. | NOM. | MAX. |
| A | 1.50 | 1.63 | 1.75 |
| A1 | 0.02 | 0.06 | 0.10 |
| b | 0.60 | 0.75 | 0.89 |
| b1 | 2.90 | 3.06 | 3.20 |
| c | 0.24 | 0.29 | 0.35 |
| D | 6.30 | 6.50 | 6.70 |
| E | 3.30 | 3.50 | 3.70 |
| e | 2.30 BSC | | |
| L | 0.20 | --- | --- |
| L1 | 1.50 | 1.75 | 2.00 |
| He | 6.70 | 7.00 | 7.30 |
| θ | 0° | --- | 10° |



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|--|---|---|---|---|
| STYLE 1: PIN 1. BASE 2. COLLECTOR 3. EMITTER 4. COLLECTOR | STYLE 2: PIN 1. ANODE 2. CATHODE 3. NC 4. CATHODE | STYLE 3: PIN 1. GATE 2. DRAIN 3. SOURCE 4. DRAIN | STYLE 4: PIN 1. SOURCE 2. DRAIN 3. GATE 4. DRAIN | STYLE 5: PIN 1. DRAIN 2. GATE 3. SOURCE 4. GATE |
| STYLE 6: PIN 1. RETURN 2. INPUT 3. OUTPUT 4. INPUT | STYLE 7: PIN 1. ANODE 1 2. CATHODE 3. ANODE 2 4. CATHODE | STYLE 8: CANCELLED | STYLE 9: PIN 1. INPUT 2. GROUND 3. LOGIC 4. GROUND | STYLE 10: PIN 1. CATHODE 2. ANODE 3. GATE 4. ANODE |
| STYLE 11: PIN 1. MT 1 2. MT 2 3. GATE 4. MT 2 | STYLE 12: PIN 1. INPUT 2. OUTPUT 3. NC 4. OUTPUT | STYLE 13: PIN 1. GATE 2. COLLECTOR 3. EMITTER 4. COLLECTOR | | |

**GENERIC
 MARKING DIAGRAM***




- A = Assembly Location
- Y = Year
- W = Work Week
- XXXXX = Specific Device Code
- = Pb-Free Package

(Note: Microdot may be in either location)

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "▪", may or may not be present. Some products may not follow the Generic Marking.

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