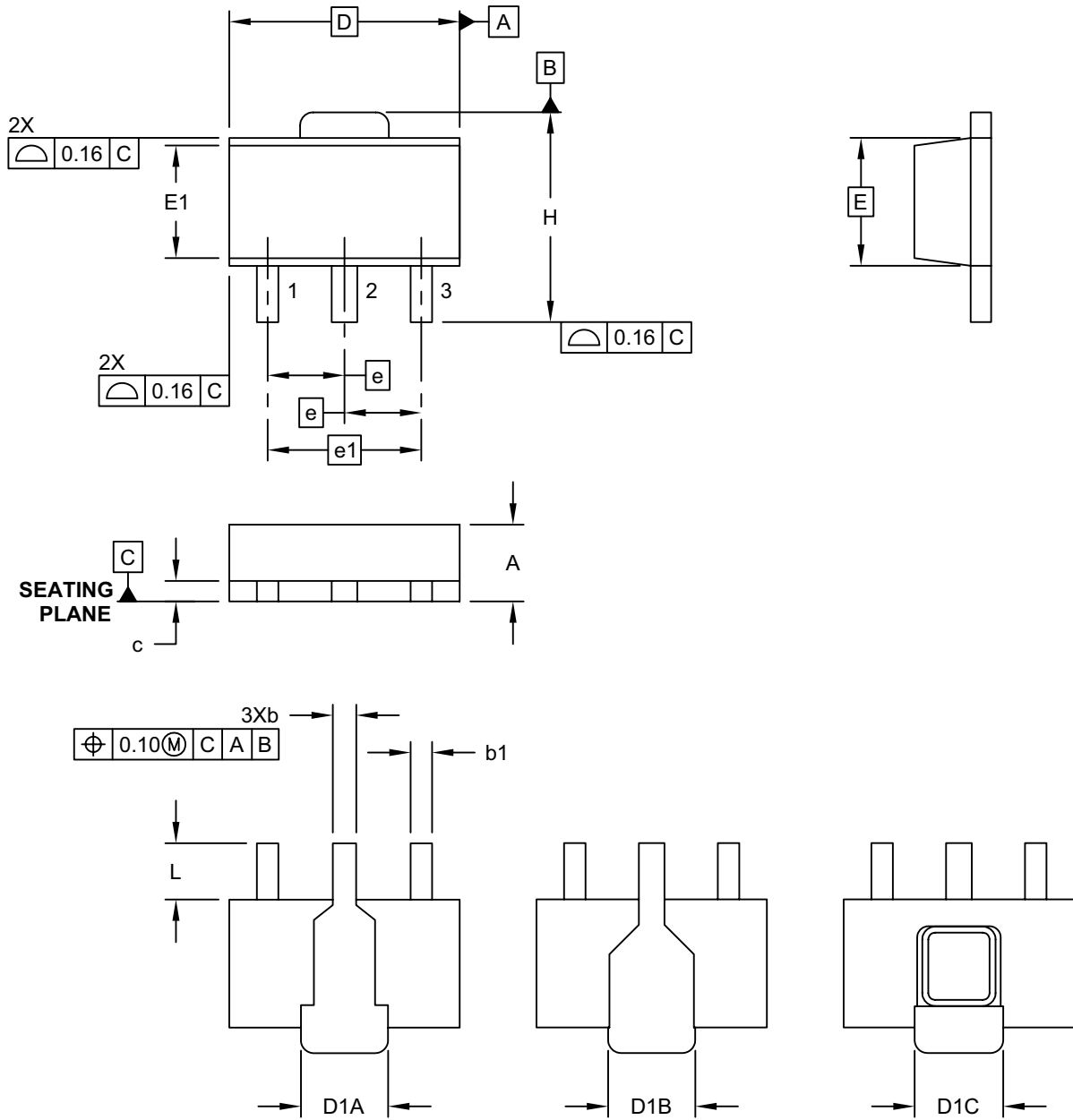


3-Lead Plastic Small Outline Transistor (MB) - [SOT-89]

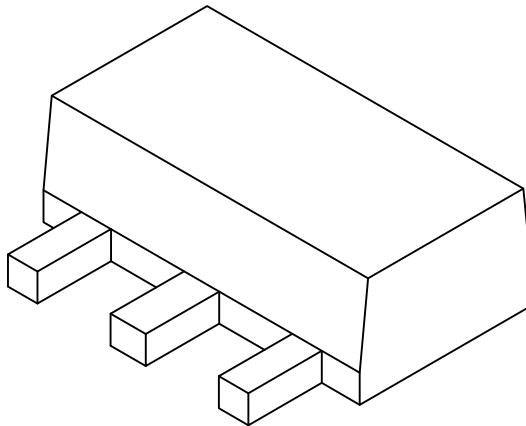
Note: For the most current package drawings, please see the Microchip Packaging Specification located at <http://www.microchip.com/packaging>



OPTIONAL BACKSIDE PATTERNS —
PARTS MAY BE SUPPLIED WITH
ANY PATTERN SHOWN

3-Lead Plastic Small Outline Transistor (MB) - [SOT-89]

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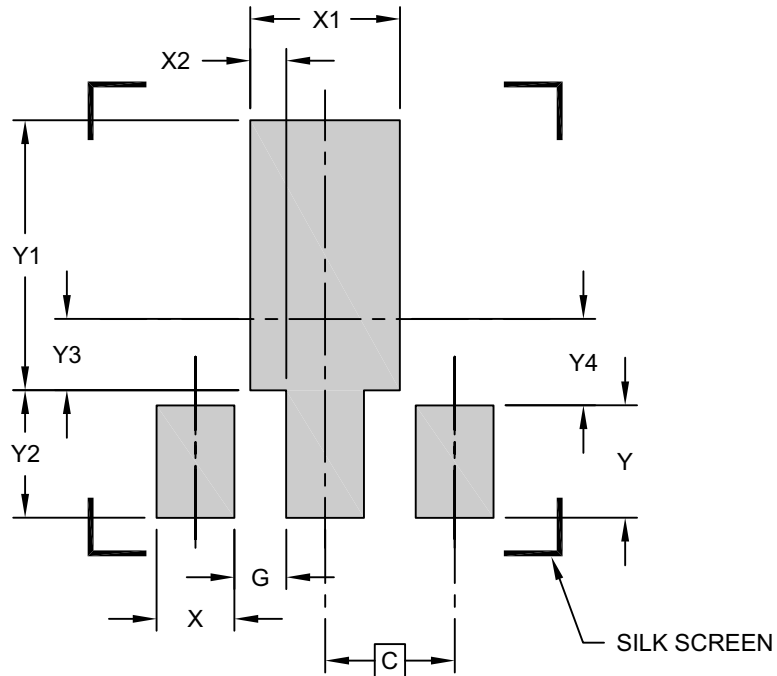
| Dimension Limits | Units | MILLIMETERS | | |
|------------------------------|-------|-------------|------|------|
| | | MIN | NOM | MAX |
| Number of Leads | N | 3 | | |
| Pitch | e | 1.50 BSC | | |
| Outside Lead Pitch | e1 | 3.00 BSC | | |
| Overall Height | A | 1.40 | 1.50 | 1.60 |
| Overall Width | H | 3.94 | 4.10 | 4.25 |
| Molded Package Width at Base | E | 2.50 BSC | | |
| Molded Package Width at Top | E1 | 2.13 | 2.20 | 2.29 |
| Overall Length | D | 4.50 BSC | | |
| Tab Length (Option A) | D1A | 1.63 | 1.73 | 1.83 |
| Tab Length (Option B) | D1B | 1.40 | 1.60 | 1.75 |
| Tab Length (Option C) | D1C | 1.62 | 1.73 | 1.83 |
| Foot Length | L | 0.79 | 1.10 | 1.20 |
| Lead Thickness | c | 0.35 | 0.40 | 0.44 |
| Lead 2 Width | b | 0.41 | 0.50 | 0.56 |
| Leads 1 & 3 Width | b1 | 0.36 | 0.42 | 0.48 |

Notes:

1. Dimensions D and E do not include mold flash or protrusions. Mold flash or protrusions shall not exceed 0.127mm per side.
2. Dimensioning and tolerancing per ASME Y14.5M
BSC: Basic Dimension. Theoretically exact value shown without tolerances.

3-Lead Plastic Small Outline Transistor (MB) - [SOT-89]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at <http://www.microchip.com/packaging>



RECOMMENDED LAND PATTERN

| Units | MILLIMETERS | | |
|---------------|-------------|-------|-----|
| | MIN | NOM | MAX |
| C | 1.50 (BSC) | | |
| X (3 PLACES) | | 0.900 | |
| X1 | | 1.733 | |
| X2 (2 PLACES) | | 0.416 | |
| G (2 PLACES) | | 0.600 | |
| Y (2 PLACES) | | 1.300 | |
| Y1 | | 3.125 | |
| Y2 | | 1.475 | |
| Y3 | | 0.825 | |
| Y4 | | 1.000 | |

Notes:

1. Dimensioning and tolerancing per ASME Y14.5M
BSC: Basic Dimension. Theoretically exact value shown without tolerances.

Microchip Technology Drawing C04-2029C