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Each Atmel data sheet includes an Ordering Information Section which specifies the package types available. This section provides size specifications and outlines for all package types.⁽¹⁾

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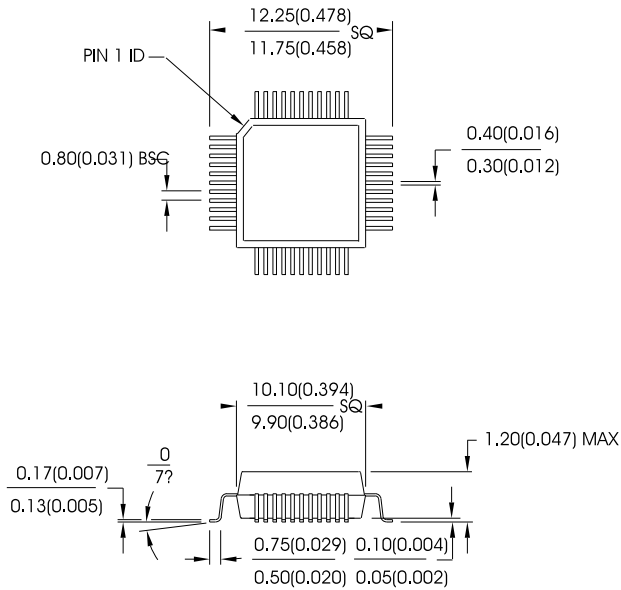
Standard Package Outlines

Note: 1. Dimensions shown do not include lead plating or mold flash.

0502A

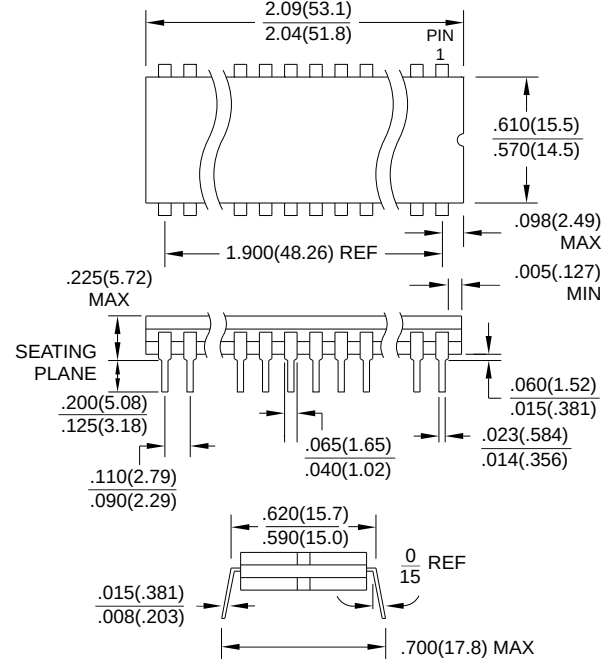


44A, 44 Lead, Thin (1.0 mm) Plastic Gull Wing Quad Flat Package (TQFP)
Dimensions in Millimeters and (Inches)*

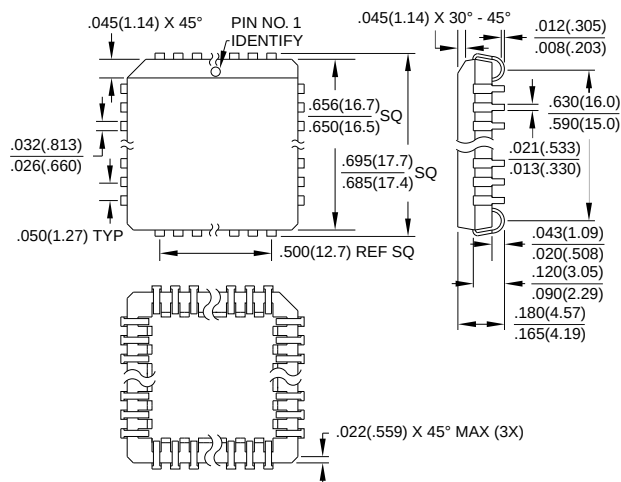


40D6, 40 Lead, 0.600" Wide, Non-Windowed, Ceramic Dual Inline Package (Cerdip)
Dimensions in Inches and (Millimeters)

MIL-STD-1835 D-5 CONFIG A

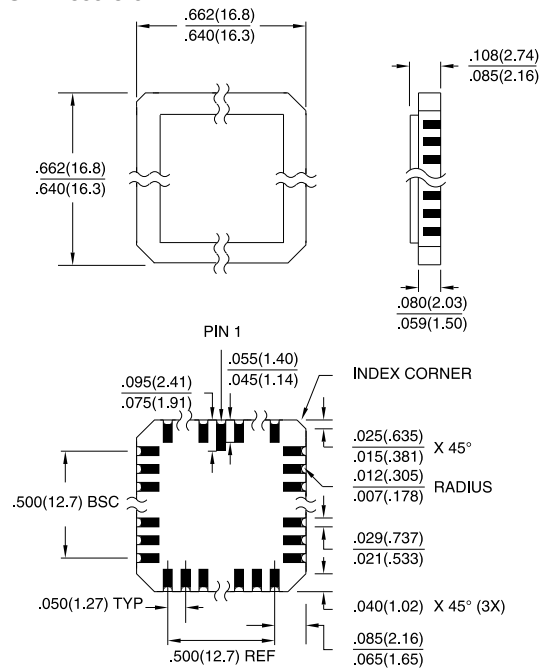


44J, 44 Lead, Plastic J-Leaded Chip Carrier (PLCC)
Dimensions in Inches and (Millimeters)
JEDEC STANDARD MS-018 AC



44L, 44 Pad, Non-Windowed, Ceramic Leadless Chip Carrier (LCC)
Dimensions in Inches and (Millimeters)*

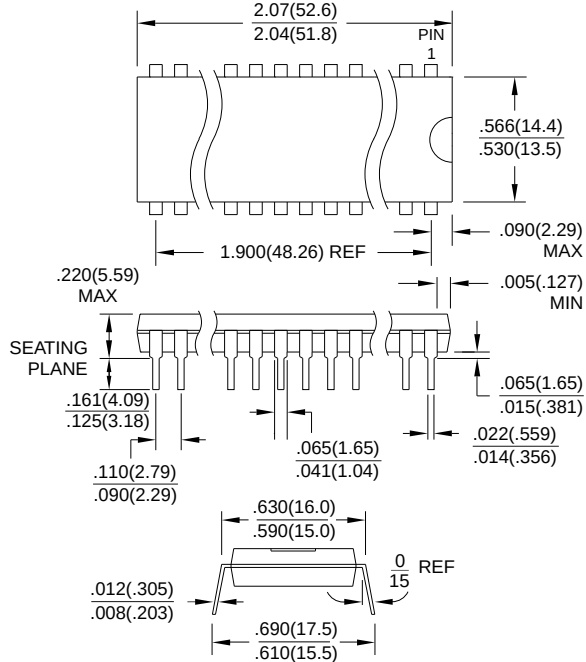
MIL-STD-1835 C-5



*Ceramic lid standard unless specified.

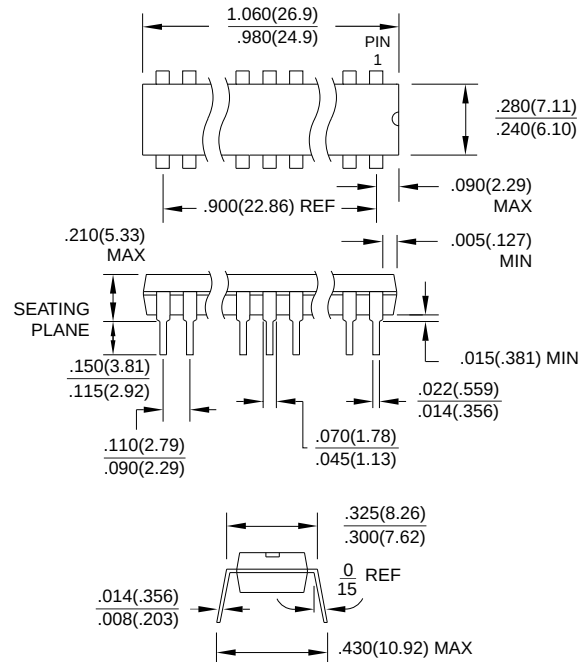
**40P6, 40 Lead, 0.600" Wide,
Plastic Dual Inline Package (PDIP)**
Dimensions in Inches and (Millimeters)

JEDEC STANDARD MS-011 AC

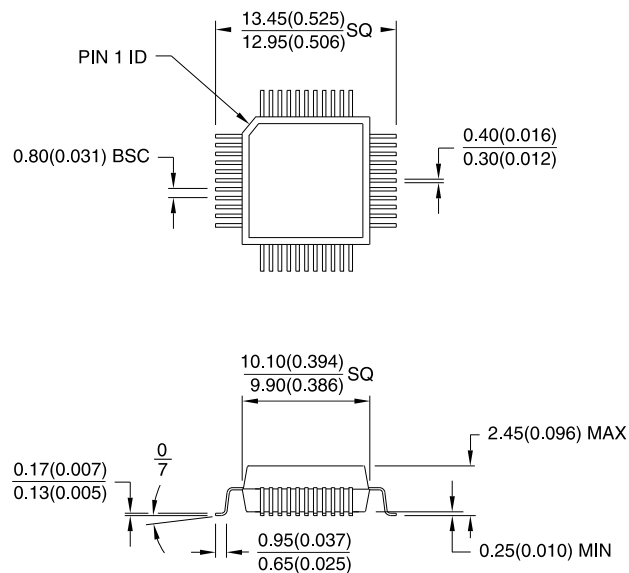


**20P3, 20 Lead, 0.300" Wide,
Plastic Dual Inline Package (PDIP)**
Dimensions in Inches and (Millimeters)

JEDEC STANDARD MS-001 AD



**44Q, 44 Lead, Plastic Gull Wing Quad Flat
Package (PQFP)**
Dimensions in Inches and (Millimeters)



**20S, 20 Lead, 0.300" Wide,
Plastic Gull Wing Small Outline (SOIC)**
Dimensions in Inches and (Millimeters)

