



# SOT38-4

plastic, dual in-line package; 16 leads; 2.54 mm pitch; 19 mm x 6.35 mm x 4.2 mm body

30 January 2017

Package information

## 1. Package summary

<b>Terminal position code</b>	D (double)
<b>Package type descriptive code</b>	DIP16
<b>Package type industry code</b>	DIP16
<b>Package style descriptive code</b>	DIP (dual in-line package)
<b>Package body material type</b>	P (plastic)
<b>Mounting method type</b>	T (through-hole mount)
<b>Issue date</b>	13-2-2003
<b>Manufacturer package code</b>	SOT38

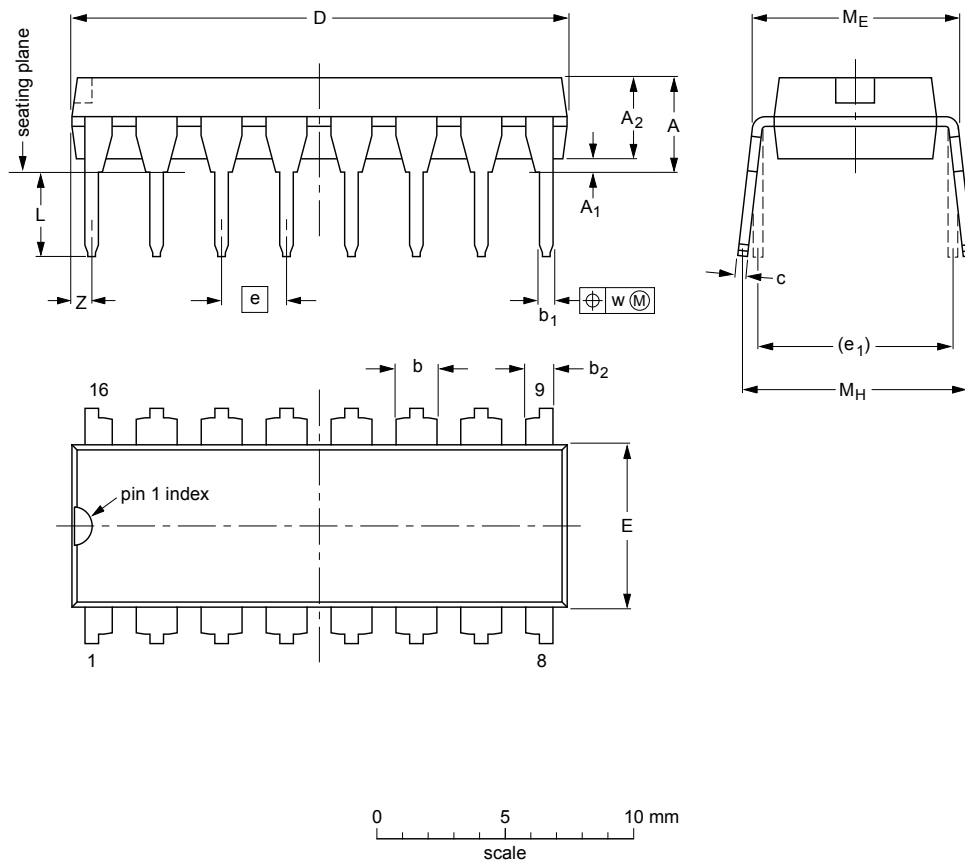
Table 1. Package summary

Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	18.55	-	19.03	19.5	mm
E	package width	6.2	-	6.35	6.48	mm
A	seated height	-	-	4.2	4.2	mm
A <sub>2</sub>	package height	-	-	3.04	3.2	mm
e	nominal pitch	-	-	2.54	-	mm
n <sub>2</sub>	actual quantity of termination	-	-	16	-	

## 2. Package outline

DIP16: plastic dual in-line package; 16 leads (300 mil)

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**DIMENSIONS** (inch dimensions are derived from the original mm dimensions)

UNIT	A max.	A <sub>1</sub> min.	A <sub>2</sub> max.	b	b <sub>1</sub>	b <sub>2</sub>	c	D <sup>(1)</sup>	E <sup>(1)</sup>	e	e <sub>1</sub>	L	M <sub>E</sub>	M <sub>H</sub>	w	Z <sup>(1)</sup> max.
mm	4.2	0.51	3.2	1.73 1.30	0.53 0.38	1.25 0.85	0.36 0.23	19.50 18.55	6.48 6.20	2.54	7.62	3.60 3.05	8.25 7.80	10.0 8.3	0.254	0.76
inches	0.17	0.02	0.13	0.068 0.051	0.021 0.015	0.049 0.033	0.014 0.009	0.77 0.73	0.26 0.24	0.1	0.3	0.14 0.12	0.32 0.31	0.39 0.33	0.01	0.03

**Note**

1. Plastic or metal protrusions of 0.25 mm (0.01 inch) maximum per side are not included.

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT38-4						95-01-14 03-02-13

Fig. 1. Package outline DIP16 (SOT38-4)

### 3. Legal information

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