

SOT238-4

plastic, thermally enhanced quad; flat non-leaded package; 52 terminals; 1.27 mm pitch; 19.125 mm x 19.125 mm x 4.385 mm body

15 December 2016

Package information

1. Package summary

Terminal position code Q (quad)
Package type descriptive code PLCC

Package type industry code PLCC52

Package style descriptive code PLCC (plastic leaded chip carrier)

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date 5-8-2016

Manufacturer package code 98ASB42600B

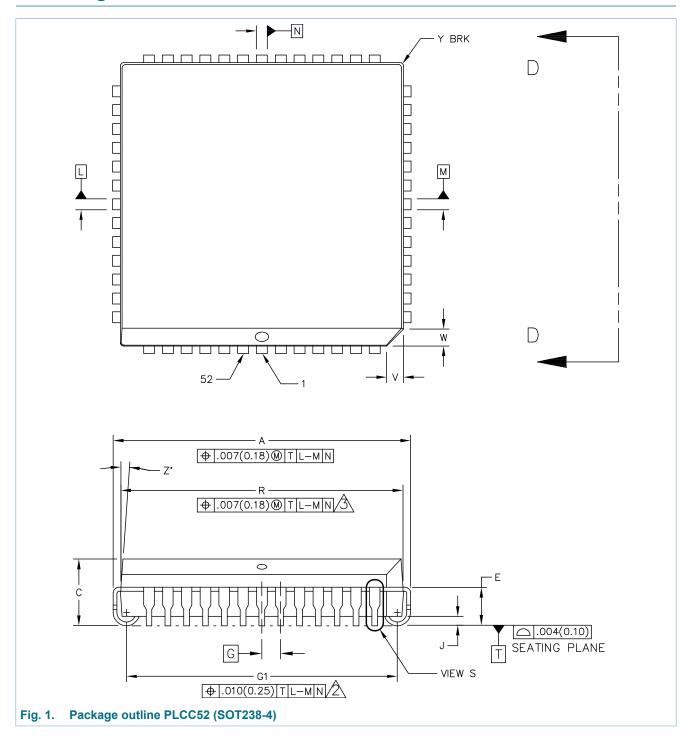
Table 1. Package summary

Symbol	Parameter	Min	Тур	Nom	Max	Unit
D	package length	19.05	-	19.125	19.2	mm
E	package width	19.05	-	19.125	19.2	mm
Α	seated height	4.2	-	4.385	4.57	mm
е	nominal pitch	-	-	1.27	-	mm
n ₂	actual quantity of termination	-	-	52	-	

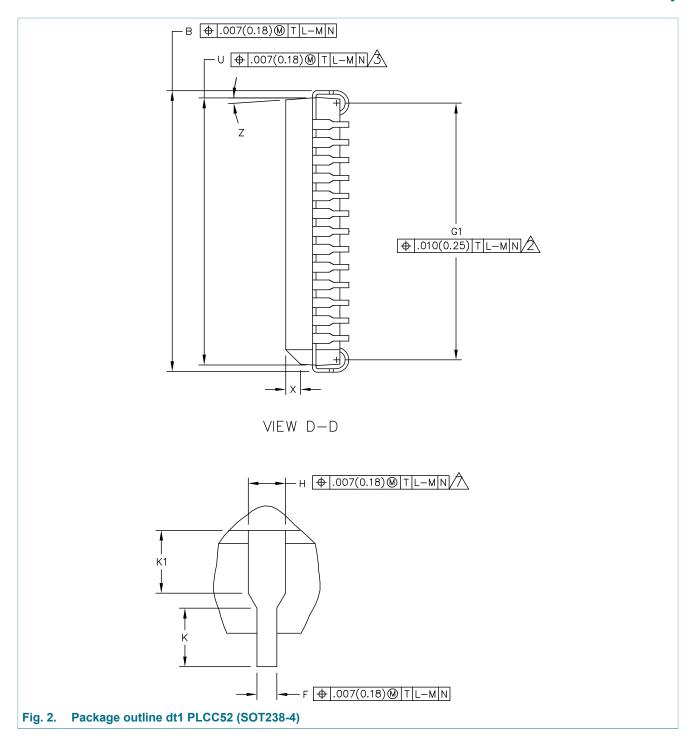


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2. Package outline



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DIM	MILLIN MIN	METERS MAX	INC	HES MAX	DIM	MILLIM MIN	MAX	INC) MIN	HES MAX
ABCEFGHJKRUVWXYZGK1	19.94 19.94 4.20 2.29 0.33 1.27 0.66 0.51 0.64 19.05 1.07 1.07 1.07 2° 18.04 1.02	20.19 20.19 4.57 2.79 0.48 BSC 0.81 19.20 19.20 1.21 1.42 0.50 10° 18.54	0.785 0.785 0.165 0.090 0.013 0.026 0.020 0.025 0.750 0.750 0.042 0.042 0.042 0.042	0.795 0.795 0.180 0.110 0.019 0.032 0.756 0.756 0.048 0.048 0.056 0.020 10° 0.730					

Fig. 3. Package outline dt2 PLCC52 (SOT238-4)

NOTES:

- DATUMS L, M AND N DETERMINED WHERE TOP OF LEAD SHOULDER EXITS PLASTIC BODY AT MOLD PARTING LINE.
- DIMENSION TRUE POSITION TO BE MEASURED AT DATUM T, SEATING PLANE.
- ₫ DIMENSIONS DO NOT INCLUDE MOLD FLASH. ALLOWABLE MOLD FLASH IS .010(0.25) PER SIDE.
- 4 DIMENSIONING AND TOLERANCING PER ASME Y14.5 1994.
- 5 CONTROLLING DIMENSION: INCH.
- 6 THE PACKAGE TOP MAY BE SMALLER THAN THE PACKAGE BOTTOM BY UP TO .012(0.30). DIMENSIONS R AND U ARE DETERMINED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY EXLUSIVE OF MOLD FLASH. TIE BAR BURRS, GATE BURRS AND INTERLEAD FLASH, BUT INCLUDING ANY MISMATCH BETWEEN THE TOP AND BOTTOM OF THE PLASTIC BODY.
- DIMENSION DOES NOT INCLUDE DAMBAR PROTRUSION OR INTRUSION. THE DAMBAR PROTRUSION (S) SHALL NOT CAUSE THE DIMENSION TO BE GREATER THAN .037(0.94). THE DAM BAR INTRUSION (S) SHALL NOT CAUSE THE DIMENSION TO BE SMALLER THAN .025(0.63).

Fig. 4. Package outline nt PLCC52 (SOT238-4)

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3. Legal information

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