



# SOT1103-3

plastic, thermal enhanced quad; flat package; 80 terminals;  
0.65 mm pitch; 14 mm x 14 mm x 2.3 mm body

13 December 2016

Package information

## 1. Package summary

<b>Terminal position code</b>	Q (quad)
<b>Package type descriptive code</b>	HQFP
<b>Package type industry code</b>	HQFP80
<b>Package style descriptive code</b>	HQFP (thermal enhanced quad flat package)
<b>Package body material type</b>	P (plastic)
<b>Mounting method type</b>	S (surface mount)
<b>Issue date</b>	6-6-2016
<b>Manufacturer package code</b>	98ASB42846B

Table 1. Package summary

Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	13.9	-	14	14.1	mm
E	package width	13.9	-	14	14.1	mm
A	seated height	2.15	-	2.3	2.45	mm
e	nominal pitch	-	-	0.65	-	mm
n <sub>2</sub>	actual quantity of termination	-	-	80	-	





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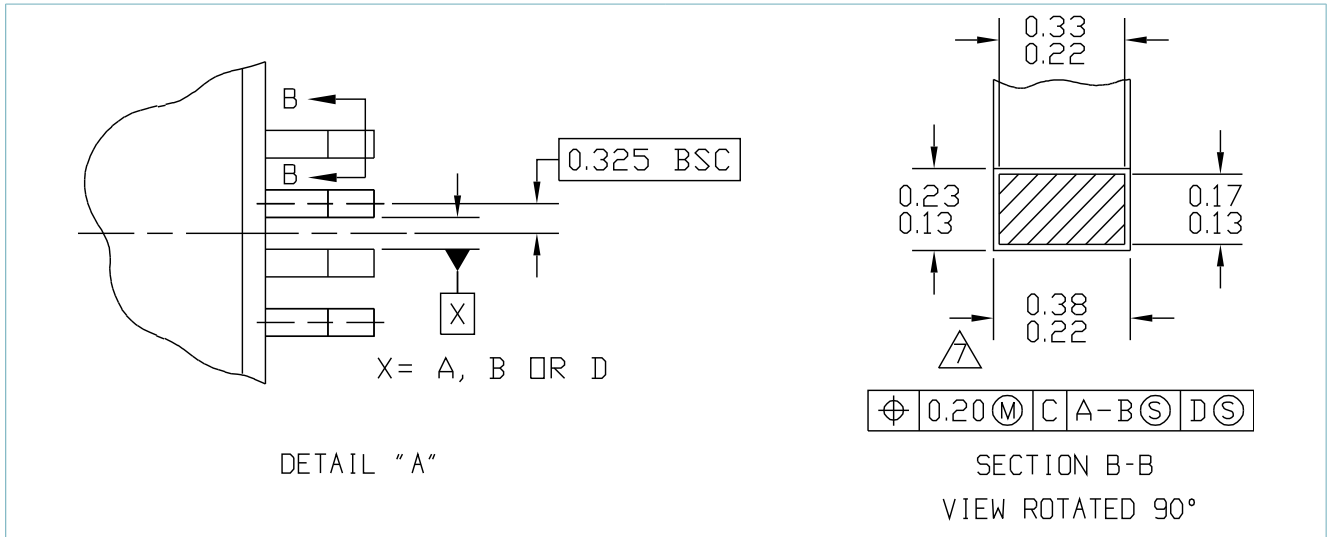


Fig. 2. Package outline dt1 HQFP80 (SOT1103-3)

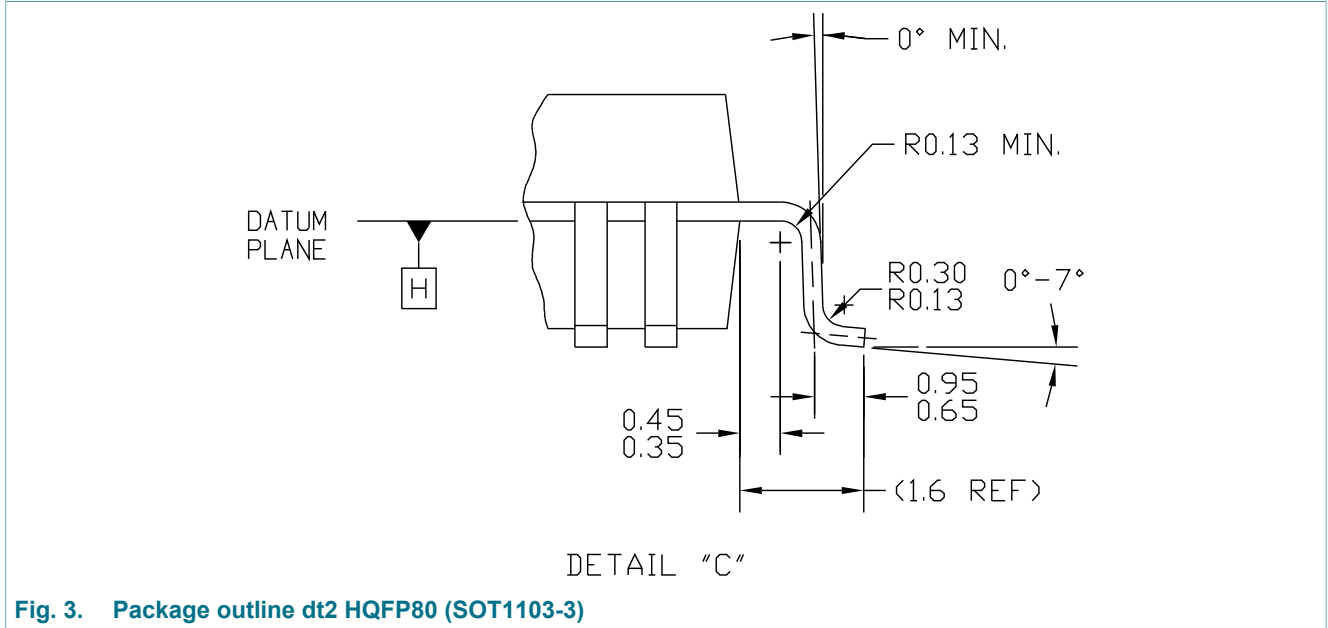





Fig. 3. Package outline dt2 HQFP80 (SOT1103-3)

plastic, thermal enhanced quad; flat package; 80 terminals; 0.65 mm pitch; 14 mm x 14 mm x 2.3 mm body

## NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
  2. CONTROLLING DIMENSION: MILLIMETER.
  3. DATUM PLANE -H- IS LOCATED AT BOTTOM OF LEAD AND IS COINCIDENT WITH THE LEAD WHERE THE LEAD EXITS THE PLASTIC BODY AT THE BOTTOM OF THE PARTING LINE.
  4. DATUMS A-B AND -D- TO BE DETERMINED AT DATUM PLANE -H-.
-  DIMENSIONS TO BE DETERMINED AT SEATING PLANE -C-.
-  DIMENSIONS DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE PROTRUSION IS 0.25 PER SIDE. DIMENSIONS DO INCLUDE MOLD MISMATCH AND ARE DETERMINED AT DATUM PLANE -H-.
-  DIMENSION DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08 TOTAL IN EXCESS OF THE DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT.

**Fig. 4. Package outline note HQFP80 (SOT1103-3)**

plastic, thermal enhanced quad; flat package; 80 terminals; 0.65 mm pitch; 14 mm x 14 mm x 2.3 mm  
body

### 3. Legal information

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