

## **SOT1571-8**

HLQFP48, plastic, thermal enhanced low profile quad flat package; 48 terminals; 0.5 mm pitch; 7 mm x 7 mm x 1.4 mm body

6 September 2018

Package information

### 1 Package summary

Terminal position code Q (quad)

Package type descriptive code HLQFP48

Package style descriptive code HLQFP (thermal enhanced low profile quad flat

package)

Package body material type P (plastic)

JEDEC package outline code MS-026 BBC

Mounting method type S (surface mount)

Issue date 01-03-2018

Manufacturer package code 98ASA01155D

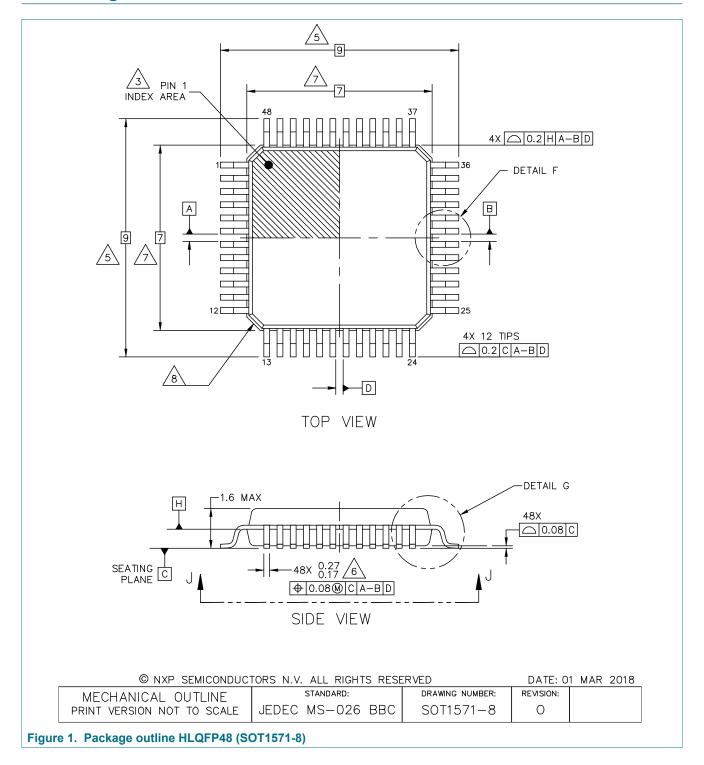
Table 1. Package summary

- abit in a datage cummary						
Parameter	Min	Nom	Max	Unit		
package length	-	7	-	mm		
package width	-	7	-	mm		
package height	-	1.4	-	mm		
nominal pitch	-	0.5	-	mm		
actual quantity of termination	_	48	-			

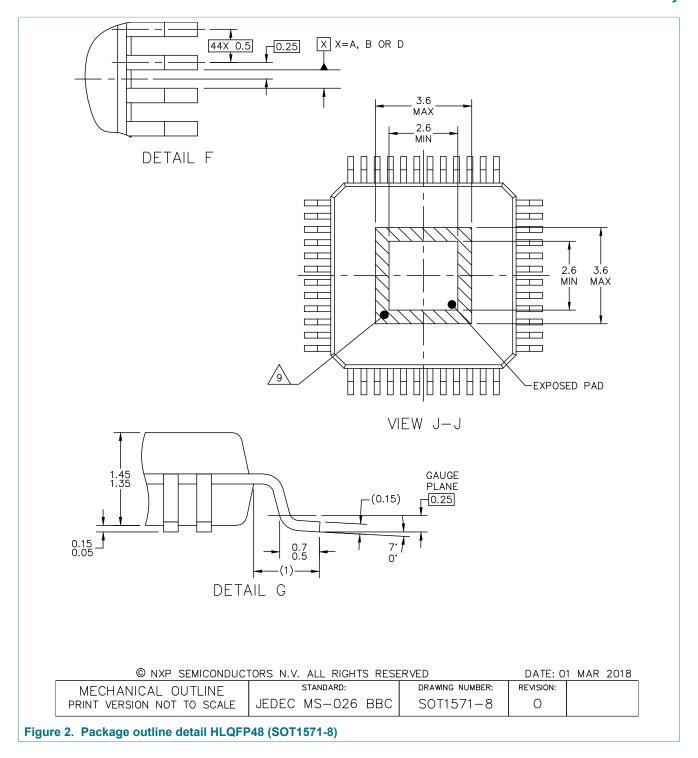


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### 2 Package outline



HLQFP48, plastic, thermal enhanced low profile quad flat package; 48 terminals; 0.5 mm pitch; 7 mm x 7 mm x 1.4 mm body



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### 3 Soldering

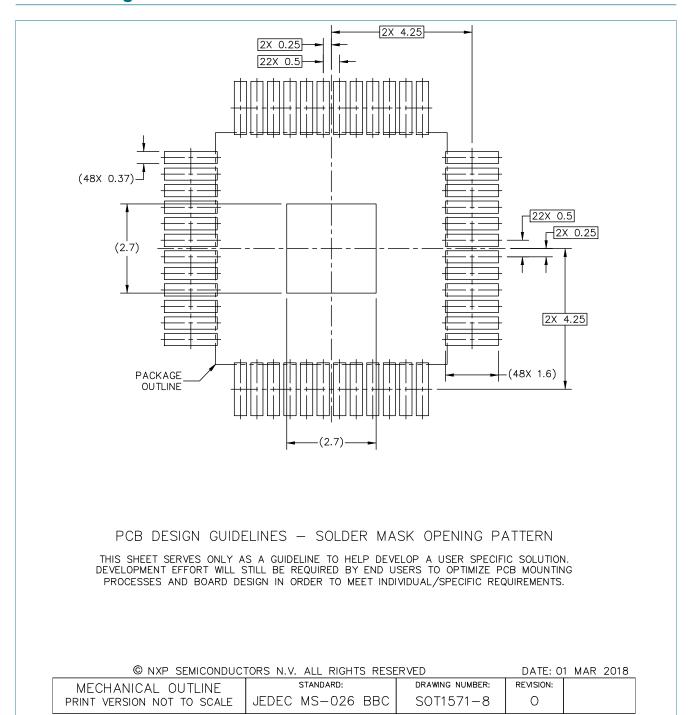


Figure 3. Reflow soldering footprint part1 for HLQFP48 (SOT1571-8)

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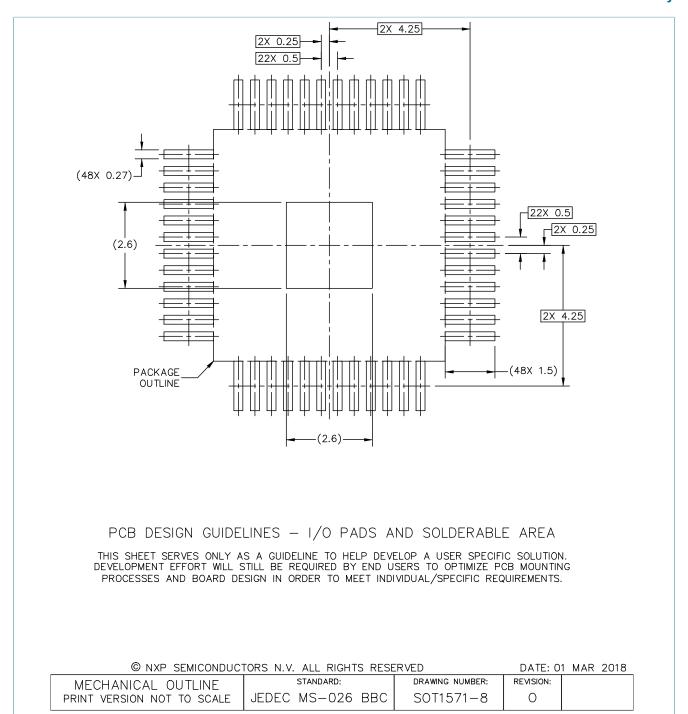


Figure 4. Reflow soldering footprint part2 for HLQFP48 (SOT1571-8)

HLQFP48, plastic, thermal enhanced low profile quad flat package; 48 terminals; 0.5 mm pitch; 7 mm x 7 mm x 1.4 mm body

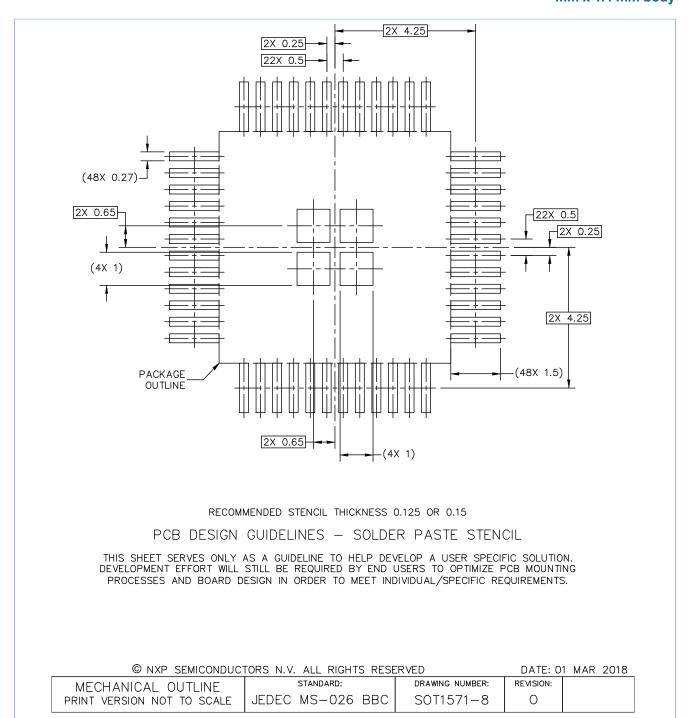


Figure 5. Reflow soldering footprint part3 for HLQFP48 (SOT1571-8)

HLQFP48, plastic, thermal enhanced low profile quad flat package; 48 terminals; 0.5 mm pitch; 7 mm x 7

# mm x 1.4 mm body NOTES: 1. DIMENSIONS ARE IN MILLIMETERS. 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994. /3. PIN 1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY. 4. DATUMS A, B AND D TO BE DETERMINED AT DATUM PLANE H. $\sqrt{5}$ . DIMENSION TO BE DETERMINED AT SEATING PLANE C. 6. THIS DIMENSION DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL NOT CAUSE THE LEAD WIDTH TO EXCEED THE UPPER LIMIT BY MORE THAN 0.08MM AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT. MINIMUM SPACE BETWEEN PROTRUSION AND ADJACENT LEAD SHALL NOT BE LESS THAN 0.07MM. THIS DIMENSION DOES NOT INCLUDE MOLD PROTRUSION. ALLOWABLE PROTRUSION IS 0.25MM PER SIDE. THIS DIMENSION IS MAXIMUM PLASTIC BODY SIZE DIMENSION INCLUDING MOLD MISMATCH. /8. EXACT SHAPE OF EACH CORNER IS OPTIONAL. 9 HATCHED AREA TO BE KEEP OUT ZONE FOR PCB ROUTING.

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MECHANICAL OUTLINE	STANDARD:	DRAWING NUMBER:	REVISION:	
PRINT VERSION NOT TO SCALE	JEDEC MS-026 BBC	SOT1571-8	0	

Figure 6. Package outline note HLQFP48 (SOT1571-8)

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### 4 Legal information

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### **Contents**

1	Package summary	1
2	Package outline	2
3	Soldering	4
4	Legal information	