

# Marking of National Semiconductor LLP products

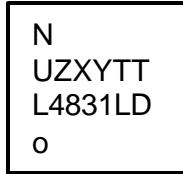
## PACKAGING

Marking  
Locations

Code Tables

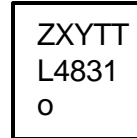


## Marking Locations



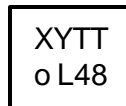
**LLP size 4x4 mm  
and above**

For LDOs the 4<sup>th</sup> line is extended.



**LLP size 3 x 3 mm  
and below 4 x 4 mm**

For LDOs the 3<sup>rd</sup> line is extended.



**LLP size 2.5 x 2.5 mm**



**LLP size 2.0 x 2.5 mm**

### LEGEND:

- N:	NS Logo	- U:	Fab Code
- o:	Pin1 dot	- Z:	Assembly Plant Code
- X, XY:	Date Code	- LM4831LD(example):	Device NSID
- TT:	NSC internal code for Die Traceability		

**Note: Refer to tables on next pages**

## Code tables

### 1-Digit Date Code Designator 'X'

Designator 'X'	Date Code
S	0106
T	0112
U	0118
V	0124
W	0130
X	0136
Y	0142
Z	0148
@	0152

Designator 'X'	Date Code
A	0206
B	0212
C	0218
D	0224
E	0230
F	0236
G	0242
H	0248
I	0252

Designator 'X'	Date Code
J	0306
K	0312
L	0318
M	0324
N	0330
O	0336
P	0342
Q	0348
R	0352

### 2-Digit Date Code Designator 'XY'

Designator 'XY'	Date Code
11	0106
12	0112
13	0118
14	0124
15	0130
16	0136
17	0142
18	0148
19	0152

Designator 'XY'	Date Code
21	0206
22	0212
23	0218
24	0224
25	0230
26	0236
27	0242
28	0248
29	0252

Designator 'XY'	Date Code
01	0306
02	0312
03	0318
04	0324
05	0330
06	0336
07	0342
08	0348
09	0352

**Assembly Plant Code 'U'**

<b>Location</b>	<b>Code</b>
<b>Santa Clara, USA</b>	<b>F</b>
<b>Malaysia</b>	<b>M</b>
<b>Singapore</b>	<b>S</b>
<b>LTCC, USA</b>	<b>L</b>
<b>China</b>	<b>U</b>
<b>Thailand</b>	<b>B</b>
<b>Canada</b>	<b>G</b>
<b>Philippines</b>	<b>D, H</b>
<b>Hong Kong</b>	<b>K</b>
<b>Indonesia</b>	<b>I</b>
<b>Japan</b>	<b>J</b>
<b>Korea</b>	<b>E</b>
<b>Taiwan</b>	<b>T</b>
<b>USA</b>	<b>X</b>
<b>Estonia</b>	<b>A</b>

**Wafer Fab Code 'Z'**

<b>Location</b>	<b>Code</b>
<b>Arlington, USA</b>	<b>E, X</b>
<b>Greenock, UK</b>	<b>H, J</b>
<b>Santa Clara, USA</b>	<b>R</b>
<b>South Portland, USA</b>	<b>V</b>
<b>Subcontractors</b>	<b>Contact NSC for information</b>