

Pericom Datecode Format Explanation (08/23/11)

A date code as described below applies to all package types (except for packages too small to accept the full mark). It is assigned to each assembly lot, which consists of the same device and package type grouped at the plastic molding operation. *This is the week the assembly lot is processed through (released from) the encapsulation operation (for CSP package it is the ball drop start date).*

Standard Datecode Format Example: (old method prior to March 1, 2003 without serial lot letter)

<u>Z</u>	<u>03</u>	<u>08</u>	<u>A</u>	<u>O</u>	<u>C</u>
Die Rev.	Year	Work Week	1 st Serial lot	Assembly Location	Fab Location
(Alphabetic)	(Numeric)	(Numeric)	(Alphabetic)	(Alphabetic)	(Alphabetic)

Standard Date Code Format Example: (new method after march 1,2003 without serial letter)

Example of a full date code mark:

<u>03</u>	<u>08</u>	<u>S</u>	<u>C</u>
Year	Work Week	Package Assembly Location	Wafer Fab Location
(Numeric)	(Numeric)	(Alphabetic)	(Alphabetic)

Example of a full date code mark with die revision letter:

<u>Z</u>	<u>03</u>	<u>08</u>	<u>S</u>	<u>C</u>
Die Rev.	Year	Work Week	Package Assembly Location	Wafer Fab Location
(Alphabetic)	(Numeric)	(Numeric)	(Alphabetic)	(Alphabetic)

Example of a full date code mark with die option code (engineering lots):

<u>Z</u>	<u>AA</u>	<u>03</u>	<u>08</u>	<u>O</u>	<u>C</u>
Die Rev.	Option Code	Year	Work Week	Package Assembly Location	Wafer Fab Location
(Alphabetic)	(Alphabetic)	(Numeric)	(Numeric)	(Alphabetic)	(Alphabetic)

Example of a full date code mark with cost-down code:

<u>A</u>	<u>Z</u>	<u>03</u>	<u>08</u>	<u>O</u>	<u>C</u>
Cost-Down Code	Die Rev.	Year	Work Week	Package Assembly Location	Wafer Fab Location
(Alphabetic)	(Alphabetic)	(Numeric)	(Numeric)	(Alphabetic)	(Alphabetic)

Example of a full date code mark with cost-down code and option code (engineering lots):

<u>A</u>	<u>Z</u>	<u>AA</u>	<u>03</u>	<u>08</u>	<u>O</u>	<u>C</u>
Cost-Down Code	Die Rev.	Option Code	Year	Work Week	Package Assembly Location	Wafer Fab Location
(Alphabetic)	(Alphabetic)	(Alphabetic)	(Numeric)	(Numeric)	(Alphabetic)	(Alphabetic)

Example of a full date code mark with Fabrication 2, cost-down code, and option code (engineering lots):

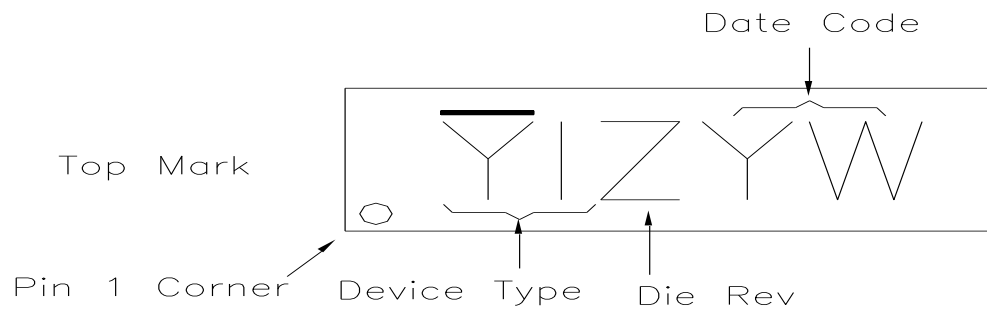
<u>B</u>	<u>A</u>	<u>Z</u>	<u>AA</u>	<u>03</u>	<u>08</u>	<u>O</u>	<u>C</u>
Fabrication 2	Cost-Down Code	Die Rev.	Option Code	Year	Work Week	Package Assembly Location	Wafer Fab Location

(Alphabetic) (Alphabetic) (Alphabetic) (Alphabetic) (Numeric) (Numeric) (Alphabetic) (Alphabetic)

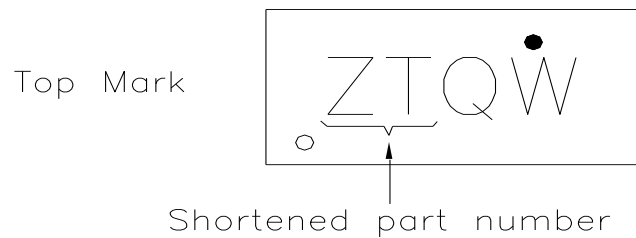
Example of a full date code mark with Shrink code, Fabrication 2, cost-down code, and option code (engineering lots):

C	B	A	Z	AA	03	08	O	C
Shrink Code	Fabrication	Cost-Down	Die Rev.	Option	Year	Work	Package	Wafer Fab
	2	Code		Code		Week	Assembly	Location
							Location	
(Alphabetic)	(Alphabetic)	(Alphabetic)	(Alphabetic)	(Alphabetic)	(Numeric)	(Numeric)	(Alphabetic)	(Alphabetic)

Example of a full date code mark with Pb-free bar above 1st or 2nd character (for small packages such as C, T, ZA, etc):



Example of a full date code mark with fab 2 dot:



Note: Dot above last character denotes fab 2 port code

For Pericom devices using copper wire, a bar above the last character of the datecode will be placed as an identifier (see build sheet for complete marking instructions).

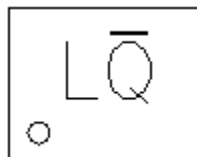
Example mark with a full date code:



Example mark with a 2-letter shortened datecode:



Example mark with a 1-letter shortened datecode:



Appendix II (For One Character Shortened DateCode)

1. For package types with very limited marking space, a one digit alpha code will be used to represent a unique year and month combination.
2. The date code sequence below begins with A for Oct 2009; it may begin again with A in December 2014.
3. When reporting date codes in B2B reports and in barcode label preparation for package types with shortened date code markings, as a minimum, the date code must be translated to numeric equivalent plus fab location, plus assembly code as explained on section 5.0. For example if a part is assembled at SPEL using wafers from Chartered and has B date code, the correct date code format to be entered in B2B and barcode label is 0944XC, 0945XC, 0946XC, 0947XC. Use the actual workweek of assembly.

Year	Month	Work Week		
		Start	End	
2009	Oct	40	43	A
2009	Nov	44	47	B
2009	Dec	48	52	C
2010	Jan	1	4	D
2010	Feb	5	8	E
2010	Mar	9	13	F
2010	Apr	14	17	G
2010	May	18	21	H
2010	Jun	22	26	I
2010	Jul	27	30	J
2010	Aug	31	34	K
2010	Sep	35	39	L
2010	Oct	40	43	M
2010	Nov	44	47	N
2010	Dec	48	52	O
2011	Jan	1	4	P
2011	Feb	5	8	Q
2011	Mar	9	13	R
2011	Apr	14	17	S
2011	May	18	21	T
2011	Jun	22	26	U
2011	Jul	27	30	V
2011	Aug	31	34	W
2011	Sep	35	39	X
2011	Oct	40	43	Y
2011	Nov	44	47	Z
2011	Dec	48	52	a
2012	Jan	1	4	b
2012	Feb	5	8	c
2012	Mar	9	13	d
2012	Apr	14	17	e
2012	May	18	21	f
2012	Jun	22	26	g

Year	Month	Work Week		
		Start	End	
2012	Jul	27	30	h
2012	Aug	31	34	i
2012	Sep	35	39	j
2012	Oct	40	43	k
2012	Nov	44	47	l
2012	Dec	48	52	m
2013	Jan	1	4	n
2013	Feb	5	8	o
2013	Mar	9	13	p
2013	Apr	14	17	q
2013	May	18	21	r
2013	Jun	22	26	s
2013	Jul	27	30	t
2013	Aug	31	34	u
2013	Sep	35	39	v
2013	Oct	40	43	w
2013	Nov	44	47	x
2013	Dec	48	52	y
2014	Jan	1	4	z
2014	Feb	5	8	0
2014	Mar	9	13	1
2014	Apr	14	17	2
2014	May	18	21	3
2014	Jun	22	26	4
2014	Jul	27	30	5
2014	Aug	31	34	6
2014	Sep	35	39	7
2014	Oct	40	43	8
2014	Nov	44	47	9