

## Pericom Datecode Format Explanation (11/18/19)

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)*

<b>Z</b>	<b>14</b>	<b>08</b>	<b>A</b>	<b>O</b>	<b>C</b>
<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>
Die Rev.	Year	Work Week	1 <sup>st</sup> Serial lot	Assembly Location	Fab Location
<i>(Alphabetic)</i>	<i>(Numeric)</i>	<i>(Numeric)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>

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

Example of a full date code mark:

<b>03</b>	<b>08</b>	<b>S</b>	<b>C</b>
<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>
Year	Work Week	Package Assembly Location	Wafer Fab Location
<i>(Numeric)</i>	<i>(Numeric)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>

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

<b>Z</b>	<b>03</b>	<b>08</b>	<b>S</b>	<b>C</b>
<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>
Die Rev.	Year	Work Week	Package Assembly Location	Wafer Fab Location
<i>(Alphabetic)</i>	<i>(Numeric)</i>	<i>(Numeric)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>

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

<b>Z</b>	<b>AA</b>	<b>03</b>	<b>08</b>	<b>O</b>	<b>C</b>
<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>
Die Rev.	Option Code	Year	Work Week	Package Assembly Location	Wafer Fab Location
<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Numeric)</i>	<i>(Numeric)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>

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

<b>A</b>	<b>Z</b>	<b>03</b>	<b>08</b>	<b>O</b>	<b>C</b>
<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>
Cost-Down Code	Die Rev.	Year	Work Week	Package Assembly Location	Wafer Fab Location
<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Numeric)</i>	<i>(Numeric)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>

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

<b>A</b>	<b>Z</b>	<b>AA</b>	<b>03</b>	<b>08</b>	<b>O</b>	<b>C</b>
<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>	<hr style="width: 1em; margin: 0 auto;"/>
Cost-Down Code	Die Rev.	Option Code	Year	Work Week	Package Assembly Location	Wafer Fab Location
<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Numeric)</i>	<i>(Numeric)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>

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

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

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

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

Example of a one character shortened datecode (Refer to Appendix I):

<b>L</b>	<b>*</b>
Device Type	One character datecode
<i>(Alphabetic)</i>	<i>(Alphabetic)</i>

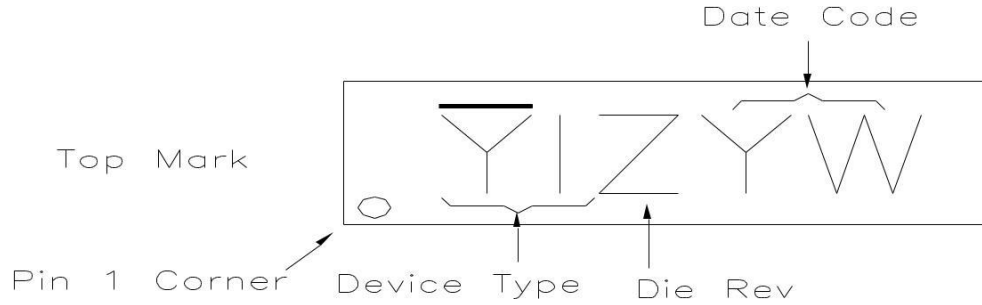
Example of a full datecode using one character shortened datecode (Refer to Appendix I):

<b>B</b>	<b>A</b>	<b>Z</b>	<b>AA</b>	<b>*</b>	<b>O</b>	<b>C</b>
Fabrication 2	Cost-Down Code	Die Rev./ Device Rev	Option Code	Year / Work Week	Package Assembly Location	Wafer Fab Location
<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>

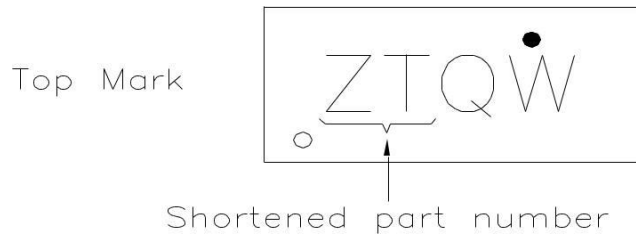
Example of a two character shortened datecode (Refer to Appendix II):

<b>A</b>	<b>M</b>	<b>O</b>	<b>C</b>
Year	Work Week	Package Assembly Location	Wafer Fab Location
<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>	<i>(Alphabetic)</i>

Example of a full date code mark with Pb-free bar above 1<sup>st</sup> or 2<sup>nd</sup> 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).

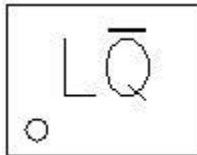
Example mark with a full date code:



Example mark with a 2-letter shortened datecode:



Example mark with a 1-letter shortened datecode:





### Appendix II (For One Character Shortened DateCode)

- For package types with very limited marking space, a one digit alpha code will be used to represent a unique year and month combination.
- The date code sequence below begins with x for Jan 2019; it may begin again with z in Oct 2024.
- 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 GTK using wafers from MagnaChip and has 8 as date code, the correct date code format to be entered in B2B and barcode label is 1948GG, 1949GG, 1950GG, 1951GG, 1952GG. Use the actual workweek of assembly.

Year	Month	Week	
2018	Apr	W14-17	o
2018	May	W18-21	p
2018	Jun	W22-26	q
2018	Jul	W27-30	r
2018	Aug	W31-34	s
2018	Sep	W35-39	t
2018	Oct	W40-43	u
2018	Nov	W44-47	v
2018	Dec	W48-52	w
2019	Jan	W01-04	x
2019	Feb	W05-08	y
2019	Mar	W09-13	z
2019	Apr	W14-17	0
2019	May	W18-21	1
2019	Jun	W22-26	2
2019	Jul	W27-30	3
2019	Aug	W31-34	4
2019	Sep	W35-39	5
2019	Oct	W40-43	6
2019	Nov	W44-47	7
2019	Dec	W48-52	8

Year	Month	Week	
2020	Jan	W01-04	9
2020	Feb	W05-08	A
2020	Mar	W09-13	B
2020	Apr	W14-17	C
2020	May	W18-21	D
2020	Jun	W22-26	E
2020	Jul	W27-30	F
2020	Aug	W31-34	G
2020	Sep	W35-39	H
2020	Oct	W40-43	I
2020	Nov	W44-47	J
2020	Dec	W48-52	K
2021	Jan	W01-04	L
2021	Feb	W05-08	M
2021	Mar	W09-13	N
2021	Apr	W14-17	O
2021	May	W18-21	P
2021	Jun	W22-26	Q
2021	Jul	W27-30	R
2021	Aug	W31-34	S
2021	Sep	W35-39	T
2021	Oct	W40-43	U
2021	Nov	W44-47	V
2021	Dec	W48-52	W

Year	Month	Week	
2022	Jan	W01-04	X
2022	Feb	W05-08	Y
2022	Mar	W09-13	Z
2022	Apr	W14-17	a
2022	May	W18-21	b
2022	Jun	W22-26	c
2022	Jul	W27-30	d
2022	Aug	W31-34	e
2022	Sep	W35-39	f
2022	Oct	W40-43	g
2022	Nov	W44-47	h
2022	Dec	W48-52	i
2023	Jan	W01-04	j
2023	Feb	W05-08	k
2023	Mar	W09-13	l
2023	Apr	W14-17	m
2023	May	W18-21	n
2023	Jun	W22-26	o
2023	Jul	W27-30	p
2023	Aug	W31-34	q
2023	Sep	W35-39	r
2023	Oct	W40-43	s
2023	Nov	W44-47	t
2023	Dec	W48-52	u