# Pericom Datecode Format Explanation (11/13/14)

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*

| Z | 14 | 08 | A | O | C |
|---|---|---|---|---|---|
| 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:

| 03 | 08 | S | C |
|---|---|---|---|
| Year | Work Week | Package Assembly Location | Wafer Fab Location |
| *(Numeric)* | *(Numeric)* | *(Alphabetic)* | *(Alphabetic)* |

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

| Z | 03 | 08 | S | C |
|---|---|---|---|---|
| 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):

| Z | AA | 03 | 08 | O | C |
|---|---|---|---|---|---|
| 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:

| A | Z | 03 | 08 | O | C |
|---|---|---|---|---|---|
| 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):

| A | Z | AA | 03 | 08 | O | C |
|---|---|---|---|---|---|---|
| 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):

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

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

| **L** | **\*** |
|---|---|
| Device Type | One character datecode |
| *(Alphabetic)* | *(Alphabetic)* |

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

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

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

| **A** | **M** | **O** | **C** |
|---|---|---|---|
| Year | Work Week | Package Assembly Location | Wafer Fab Location |
| *(Alphabetic)* | *(Alphabetic)* | *(Alphabetic)* | *(Alphabetic)* |

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

Date Code

Top Mark

Y̅IZYW

Pin 1 Corner    Device Type    Die Rev

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

Top Mark

ZTQẆ

Shortened part number
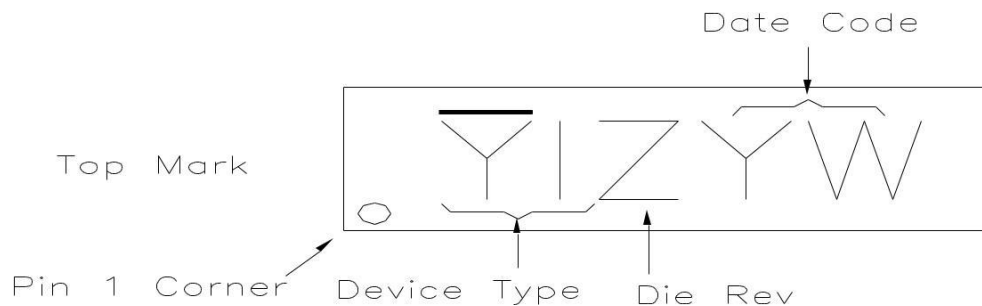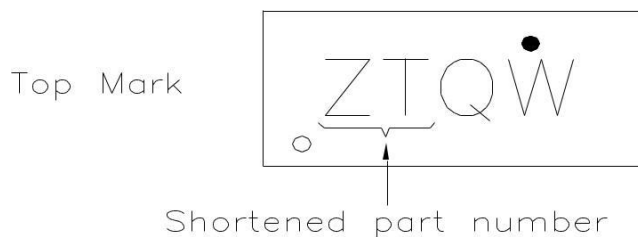
Note: Dot above last character
denotes fab 2 port code

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).
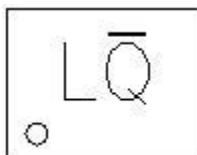
Example mark with a full date code:

PI3HDMI
541FFE
A21107X$\overline{G}$

Example mark with a 2-letter shortened datecode:

EQX674
1STAZ$\overline{D}$
ZYWX$\overline{X}$

Example mark with a 1-letter shortened datecode:

L$\overline{Q}$

## Appendix I (For Two Character Shortened Date Code)

1. For package types with limited marking space, a two digit alpha code will be used with the first and second letters combined representing a unique year and week.

2. *HA* designates the first week of 2014 (as in *1401*), then *HB* will designate the second week of 2014, and so on until *HZ*, which represents date code *1426*.

3. *JA* will designate the 27<sup>th</sup> week of 2014, then *JB* for the 28<sup>th</sup> week and so on, until *JZ*, which represents date code *1452*.

4. The date code sequence below begins with H*A* for 2014; it may begin again with AA in the year 2023.

5. **When entering date codes in the system 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 MagnaCip and has JM as date code, the correct date code format to be entered in the system is 1439GG.**

| Year | | WW | | Year | | WW | | Year | | WW | | Year | | WW | | Year | | WW | | Year | | WW | | Year | | WW | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2014 | H | 1 | A | 2015 | K | 1 | A | 2016 | M | 1 | A | 2017 | O | 1 | A | 2018 | Q | 1 | A | 2019 | S | 1 | A | 2020 | U | 1 | A |
| 2014 | H | 2 | B | 2015 | K | 2 | B | 2016 | M | 2 | B | 2017 | O | 2 | B | 2018 | Q | 2 | B | 2019 | S | 2 | B | 2020 | U | 2 | B |
| 2014 | H | 3 | C | 2015 | K | 3 | C | 2016 | M | 3 | C | 2017 | O | 3 | C | 2018 | Q | 3 | C | 2019 | S | 3 | C | 2020 | U | 3 | C |
| 2014 | H | 4 | D | 2015 | K | 4 | D | 2016 | M | 4 | D | 2017 | O | 4 | D | 2018 | Q | 4 | D | 2019 | S | 4 | D | 2020 | U | 4 | D |
| 2014 | H | 5 | E | 2015 | K | 5 | E | 2016 | M | 5 | E | 2017 | O | 5 | E | 2018 | Q | 5 | E | 2019 | S | 5 | E | 2020 | U | 5 | E |
| 2014 | H | 6 | F | 2015 | K | 6 | F | 2016 | M | 6 | F | 2017 | O | 6 | F | 2018 | Q | 6 | F | 2019 | S | 6 | F | 2020 | U | 6 | F |
| 2014 | H | 7 | G | 2015 | K | 7 | G | 2016 | M | 7 | G | 2017 | O | 7 | G | 2018 | Q | 7 | G | 2019 | S | 7 | G | 2020 | U | 7 | G |
| 2014 | H | 8 | H | 2015 | K | 8 | H | 2016 | M | 8 | H | 2017 | O | 8 | H | 2018 | Q | 8 | H | 2019 | S | 8 | H | 2020 | U | 8 | H |
| 2014 | H | 9 | I | 2015 | K | 9 | I | 2016 | M | 9 | I | 2017 | O | 9 | I | 2018 | Q | 9 | I | 2019 | S | 9 | I | 2020 | U | 9 | I |
| 2014 | H | 10 | J | 2015 | K | 10 | J | 2016 | M | 10 | J | 2017 | O | 10 | J | 2018 | Q | 10 | J | 2019 | S | 10 | J | 2020 | U | 10 | J |
| 2014 | H | 11 | K | 2015 | K | 11 | K | 2016 | M | 11 | K | 2017 | O | 11 | K | 2018 | Q | 11 | K | 2019 | S | 11 | K | 2020 | U | 11 | K |
| 2014 | H | 12 | L | 2015 | K | 12 | L | 2016 | M | 12 | L | 2017 | O | 12 | L | 2018 | Q | 12 | L | 2019 | S | 12 | L | 2020 | U | 12 | L |
| 2014 | H | 13 | M | 2015 | K | 13 | M | 2016 | M | 13 | M | 2017 | O | 13 | M | 2018 | Q | 13 | M | 2019 | S | 13 | M | 2020 | U | 13 | M |
| 2014 | H | 14 | N | 2015 | K | 14 | N | 2016 | M | 14 | N | 2017 | O | 14 | N | 2018 | Q | 14 | N | 2019 | S | 14 | N | 2020 | U | 14 | N |
| 2014 | H | 15 | O | 2015 | K | 15 | O | 2016 | M | 15 | O | 2017 | O | 15 | O | 2018 | Q | 15 | O | 2019 | S | 15 | O | 2020 | U | 15 | O |
| 2014 | H | 16 | P | 2015 | K | 16 | P | 2016 | M | 16 | P | 2017 | O | 16 | P | 2018 | Q | 16 | P | 2019 | S | 16 | P | 2020 | U | 16 | P |
| 2014 | H | 17 | Q | 2015 | K | 17 | Q | 2016 | M | 17 | Q | 2017 | O | 17 | Q | 2018 | Q | 17 | Q | 2019 | S | 17 | Q | 2020 | U | 17 | Q |
| 2014 | H | 18 | R | 2015 | K | 18 | R | 2016 | M | 18 | R | 2017 | O | 18 | R | 2018 | Q | 18 | R | 2019 | S | 18 | R | 2020 | U | 18 | R |
| 2014 | H | 19 | S | 2015 | K | 19 | S | 2016 | M | 19 | S | 2017 | O | 19 | S | 2018 | Q | 19 | S | 2019 | S | 19 | S | 2020 | U | 19 | S |
| 2014 | H | 20 | T | 2015 | K | 20 | T | 2016 | M | 20 | T | 2017 | O | 20 | T | 2018 | Q | 20 | T | 2019 | S | 20 | T | 2020 | U | 20 | T |
| 2014 | H | 21 | U | 2015 | K | 21 | U | 2016 | M | 21 | U | 2017 | O | 21 | U | 2018 | Q | 21 | U | 2019 | S | 21 | U | 2020 | U | 21 | U |
| 2014 | H | 22 | V | 2015 | K | 22 | V | 2016 | M | 22 | V | 2017 | O | 22 | V | 2018 | Q | 22 | V | 2019 | S | 22 | V | 2020 | U | 22 | V |
| 2014 | H | 23 | W | 2015 | K | 23 | W | 2016 | M | 23 | W | 2017 | O | 23 | W | 2018 | Q | 23 | W | 2019 | S | 23 | W | 2020 | U | 23 | W |
| 2014 | H | 24 | X | 2015 | K | 24 | X | 2016 | M | 24 | X | 2017 | O | 24 | X | 2018 | Q | 24 | X | 2019 | S | 24 | X | 2020 | U | 24 | X |
| 2014 | H | 25 | Y | 2015 | K | 25 | Y | 2016 | M | 25 | Y | 2017 | O | 25 | Y | 2018 | Q | 25 | Y | 2019 | S | 25 | Y | 2020 | U | 25 | Y |
| 2014 | H | 26 | Z | 2015 | K | 26 | Z | 2016 | M | 26 | Z | 2017 | O | 26 | Z | 2018 | Q | 26 | Z | 2019 | S | 26 | Z | 2020 | U | 26 | Z |
| 2014 | J | 27 | A | 2015 | L | 27 | A | 2016 | N | 27 | A | 2017 | P | 27 | A | 2018 | R | 27 | A | 2019 | T | 27 | A | 2020 | V | 27 | A |
| 2014 | J | 28 | B | 2015 | L | 28 | B | 2016 | N | 28 | B | 2017 | P | 28 | B | 2018 | R | 28 | B | 2019 | T | 28 | B | 2020 | V | 28 | B |
| 2014 | J | 29 | C | 2015 | L | 29 | C | 2016 | N | 29 | C | 2017 | P | 29 | C | 2018 | R | 29 | C | 2019 | T | 29 | C | 2020 | V | 29 | C |
| 2014 | J | 30 | D | 2015 | L | 30 | D | 2016 | N | 30 | D | 2017 | P | 30 | D | 2018 | R | 30 | D | 2019 | T | 30 | D | 2020 | V | 30 | D |
| 2014 | J | 31 | E | 2015 | L | 31 | E | 2016 | N | 31 | E | 2017 | P | 31 | E | 2018 | R | 31 | E | 2019 | T | 31 | E | 2020 | V | 31 | E |
| 2014 | J | 32 | F | 2015 | L | 32 | F | 2016 | N | 32 | F | 2017 | P | 32 | F | 2018 | R | 32 | F | 2019 | T | 32 | F | 2020 | V | 32 | F |
| 2014 | J | 33 | G | 2015 | L | 33 | G | 2016 | N | 33 | G | 2017 | P | 33 | G | 2018 | R | 33 | G | 2019 | T | 33 | G | 2020 | V | 33 | G |
| 2014 | J | 34 | H | 2015 | L | 34 | H | 2016 | N | 34 | H | 2017 | P | 34 | H | 2018 | R | 34 | H | 2019 | T | 34 | H | 2020 | V | 34 | H |
| 2014 | J | 35 | I | 2015 | L | 35 | I | 2016 | N | 35 | I | 2017 | P | 35 | I | 2018 | R | 35 | I | 2019 | T | 35 | I | 2020 | V | 35 | I |
| 2014 | J | 36 | J | 2015 | L | 36 | J | 2016 | N | 36 | J | 2017 | P | 36 | J | 2018 | R | 36 | J | 2019 | T | 36 | J | 2020 | V | 36 | J |
| 2014 | J | 37 | K | 2015 | L | 37 | K | 2016 | N | 37 | K | 2017 | P | 37 | K | 2018 | R | 37 | K | 2019 | T | 37 | K | 2020 | V | 37 | K |
| 2014 | J | 38 | L | 2015 | L | 38 | L | 2016 | N | 38 | L | 2017 | P | 38 | L | 2018 | R | 38 | L | 2019 | T | 38 | L | 2020 | V | 38 | L |
| 2014 | J | 39 | M | 2015 | L | 39 | M | 2016 | N | 39 | M | 2017 | P | 39 | M | 2018 | R | 39 | M | 2019 | T | 39 | M | 2020 | V | 39 | M |
| 2014 | J | 40 | N | 2015 | L | 40 | N | 2016 | N | 40 | N | 2017 | P | 40 | N | 2018 | R | 40 | N | 2019 | T | 40 | N | 2020 | V | 40 | N |
| 2014 | J | 41 | O | 2015 | L | 41 | O | 2016 | N | 41 | O | 2017 | P | 41 | O | 2018 | R | 41 | O | 2019 | T | 41 | O | 2020 | V | 41 | O |
| 2014 | J | 42 | P | 2015 | L | 42 | P | 2016 | N | 42 | P | 2017 | P | 42 | P | 2018 | R | 42 | P | 2019 | T | 42 | P | 2020 | V | 42 | P |
| 2014 | J | 43 | Q | 2015 | L | 43 | Q | 2016 | N | 43 | Q | 2017 | P | 43 | Q | 2018 | R | 43 | Q | 2019 | T | 43 | Q | 2020 | V | 43 | Q |
| 2014 | J | 44 | R | 2015 | L | 44 | R | 2016 | N | 44 | R | 2017 | P | 44 | R | 2018 | R | 44 | R | 2019 | T | 44 | R | 2020 | V | 44 | R |
| 2014 | J | 45 | S | 2015 | L | 45 | S | 2016 | N | 45 | S | 2017 | P | 45 | S | 2018 | R | 45 | S | 2019 | T | 45 | S | 2020 | V | 45 | S |
| 2014 | J | 46 | T | 2015 | L | 46 | T | 2016 | N | 46 | T | 2017 | P | 46 | T | 2018 | R | 46 | T | 2019 | T | 46 | T | 2020 | V | 46 | T |
| 2014 | J | 47 | U | 2015 | L | 47 | U | 2016 | N | 47 | U | 2017 | P | 47 | U | 2018 | R | 47 | U | 2019 | T | 47 | U | 2020 | V | 47 | U |
| 2014 | J | 48 | V | 2015 | L | 48 | V | 2016 | N | 48 | V | 2017 | P | 48 | V | 2018 | R | 48 | V | 2019 | T | 48 | V | 2020 | V | 48 | V |
| 2014 | J | 49 | W | 2015 | L | 49 | W | 2016 | N | 49 | W | 2017 | P | 49 | W | 2018 | R | 49 | W | 2019 | T | 49 | W | 2020 | V | 49 | W |
| 2014 | J | 50 | X | 2015 | L | 50 | X | 2016 | N | 50 | X | 2017 | P | 50 | X | 2018 | R | 50 | X | 2019 | T | 50 | X | 2020 | V | 50 | X |
| 2014 | J | 51 | Y | 2015 | L | 51 | Y | 2016 | N | 51 | Y | 2017 | P | 51 | Y | 2018 | R | 51 | Y | 2019 | T | 51 | Y | 2020 | V | 51 | Y |
| 2014 | J | 52 | Z | 2015 | L | 52 | Z | 2016 | N | 52 | Z | 2017 | P | 52 | Z | 2018 | R | 52 | Z | 2019 | T | 52 | Z | 2020 | V | 52 | Z |

## 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 z for Jan 2014; it may begin again with z in Jan 2019.

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 GTK using wafers from MagnaChip and has B date code, the correct date code format to be entered in B2B and barcode label is 1501GG, 1502GG, 1503GG, 1504GG. Use the actual workweek of assembly.

| Year | Month | Week | | Year | Month | Week | | Year | Month | Week | |
|------|-------|------|---|------|-------|------|---|------|-------|------|---|
| 2014 | Jan | W01-04 | z | 2016 | Mar | W09-13 | P | 2018 | Apr | W14-17 | o |
| 2014 | Feb | W05-08 | 0 | 2016 | Apr | W14-17 | Q | 2018 | May | W18-21 | p |
| 2014 | Mar | W09-13 | 1 | 2016 | May | W18-21 | R | 2018 | Jun | W22-26 | q |
| 2014 | Apr | W14-17 | 2 | 2016 | Jun | W22-26 | S | 2018 | Jul | W27-30 | r |
| 2014 | May | W18-21 | 3 | 2016 | Jul | W27-30 | T | 2018 | Aug | W31-34 | s |
| 2014 | Jun | W22-26 | 4 | 2016 | Aug | W31-34 | U | 2018 | Sep | W35-39 | t |
| 2014 | Jul | W27-30 | 5 | 2016 | Sep | W35-39 | V | 2018 | Oct | W40-43 | u |
| 2014 | Aug | W31-34 | 6 | 2016 | Oct | W40-43 | W | 2018 | Nov | W44-47 | v |
| 2014 | Sep | W35-39 | 7 | 2016 | Nov | W44-47 | X | 2018 | Dec | W48-52 | w |
| 2014 | Oct | W40-43 | 8 | 2016 | Dec | W48-52 | Y | 2019 | Jan | W01-04 | x |
| 2014 | Nov | W44-47 | 9 | 2017 | Jan | W01-04 | Z | 2019 | Feb | W05-08 | y |
| 2014 | Dec | W48-52 | A | 2017 | Feb | W05-08 | a | 2019 | Mar | W09-13 | z |
| 2015 | Jan | W01-04 | B | 2017 | Mar | W09-13 | b | 2019 | Apr | W14-17 | 0 |
| 2015 | Feb | W05-08 | C | 2017 | Apr | W14-17 | c | 2019 | May | W18-21 | 1 |
| 2015 | Mar | W09-13 | D | 2017 | May | W18-21 | d | 2019 | Jun | W22-26 | 2 |
| 2015 | Apr | W14-17 | E | 2017 | Jun | W22-26 | e | 2019 | Jul | W27-30 | 3 |
| 2015 | May | W18-21 | F | 2017 | Jul | W27-30 | f | 2019 | Aug | W31-34 | 4 |
| 2015 | Jun | W22-26 | G | 2017 | Aug | W31-34 | g | 2019 | Sep | W35-39 | 5 |
| 2015 | Jul | W27-30 | H | 2017 | Sep | W35-39 | h | 2019 | Oct | W40-43 | 6 |
| 2015 | Aug | W31-34 | I | 2017 | Oct | W40-43 | i | 2019 | Nov | W44-47 | 7 |
| 2015 | Sep | W35-39 | J | 2017 | Nov | W44-47 | j | 2019 | Dec | W48-52 | 8 |
| 2015 | Oct | W40-43 | K | 2017 | Dec | W48-52 | k | 2020 | Jan | W01-04 | 9 |
| 2015 | Nov | W44-47 | L | 2018 | Jan | W01-04 | l | 2020 | Feb | W05-08 | A |
| 2015 | Dec | W48-52 | M | 2018 | Feb | W05-08 | m | | | | |
| 2016 | Jan | W01-04 | N | 2018 | Mar | W09-13 | n | | | | |
| 2016 | Feb | W05-08 | O | | | | | | | | |