



# CYPRESS MARKING FORMAT

JANUARY 2020

■Note:

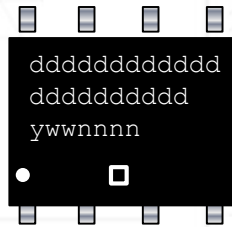
- The diagrams are provided for illustrative purposes only. Please note that the actual marking format may vary depending on package size, type and pin count. Should you have any other concerns and questions, feel free to contact your local CY sales representative. Markings for costumed parts CS/CG, acquired and buy-in parts are not included on this document.
- The diagrams below is based on the latest Cypress Marking Spec 37-00001 Rev.. KE



# LEGEND:

Character	Meaning	Remarks
b	Blank Space	
d	Marketing Part Number	
111	CYP	11 = CY 1111111 = CYPRESS
ff	Fab Location	
rr	Backend Part Revision	
yyww	Date Code	yy = last two digit of the year ww = Workweek
nnnnnnn	Mark Lot Number	nnnnnnn = First and last five digits of Mark Lot Number nnnn = last four digit of Mark Lot Number
xxx	Country of Origin	xxxx = COO with "." at the end Ex. PHI.
C	Copper Wire Part	
<input type="checkbox"/>	Lead free part	

## Using Gold (Au) Wire

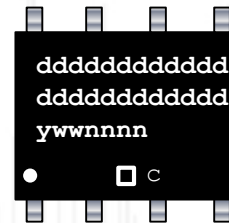


1<sup>st</sup> line (12 characters) is the marketing part number

2<sup>nd</sup> line (10 characters) is the rest of the marketing part number

3<sup>rd</sup> line (7 characters) is the date code and lot code.

## Using Copper (Cu) Wire



1<sup>st</sup> line (12 characters) is the marketing part number

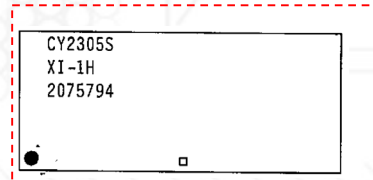
2<sup>nd</sup> line (10 characters) is the rest of the marketing part number

3<sup>rd</sup> line (7 characters) is the date code and lot code.

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: CY2305SXI-1H

Line 1: CY2305S  
Line 2: XI-1H  
Line 3: 2075794



Note:

1. First line to mark the marketing part number before the first S character.
2. 2nd line the rest of the marketing part number.
3. 3rd line ywnnnn where y= last digit of the year ww= work week nnnn= last four digits of the lot number.
4. If the marketing part number has more than 7 characters before the S than the first 7 characters will print on line 1 with the remaining 7 characters wrapping to line 2.

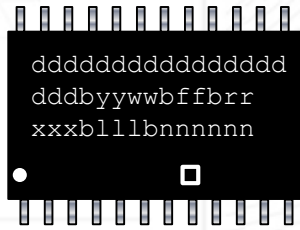
Packages :

- SOIC 8 - 150 mils



# SOIC 14L/SOIC 16L

## Using Gold (Au) Wire



1<sup>st</sup> line (16 characters) is the marketing part number

2<sup>nd</sup> line (14 characters) is the date code, fab site and backend revision

3<sup>rd</sup> line is the COO, 'CYP' and lot code.

## Using Copper (Cu) Wire



1<sup>st</sup> line (16 characters) is the marketing part number

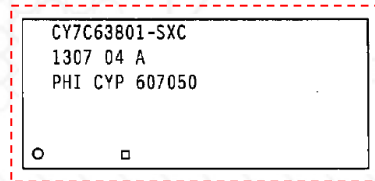
2<sup>nd</sup> line (14 characters) is the date code, fab site and backend revision

3<sup>rd</sup> line is the COO, 'CYP' and lot code.

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY7C63801-SXC.

Line 1: CY7C63801-SXC  
Line 2: 1307 04 A  
Line 3: PHI CYP 607050



### Note:

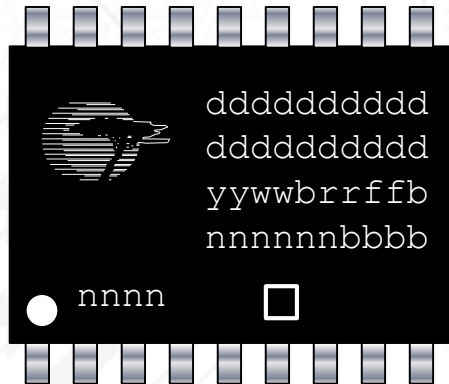
1. If Mkt. PN on line 2 contains  $\leq 5$  char, move yyww to the second line after the Mkt. PN separated with a blank then wrap the rfff to the left
2. If BE Part Rev has only one character, use rbff format instead of rfff
3. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside the pin 1 indicator.

### Packages :

- SOIC 14 - 150 mils
- SOIC 16 - 150 mils

# SOIC 16L/SOIC 18L

## Using Gold (Au) Wire



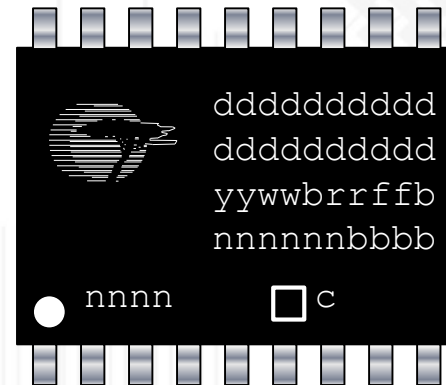
Lines 1 – 4: 10 characters per line  
Line 5: 4 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN separated with a blank then wrap the rfff to the left.

3<sup>rd</sup> line is the date code, backend revision and fab site. If BE Part Rev has only one character, use rbff format instead of rfff

4<sup>th</sup> line is the lot code

## Using Copper (Cu) Wire



Lines 1 – 4: 10 characters per line  
Line 5: 4 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN separated with a blank then wrap the rfff to the left.

3<sup>rd</sup> line is the date code, backend revision and fab site. If BE Part Rev has only one character, use rbff format instead of rfff

4<sup>th</sup> line is the lot code

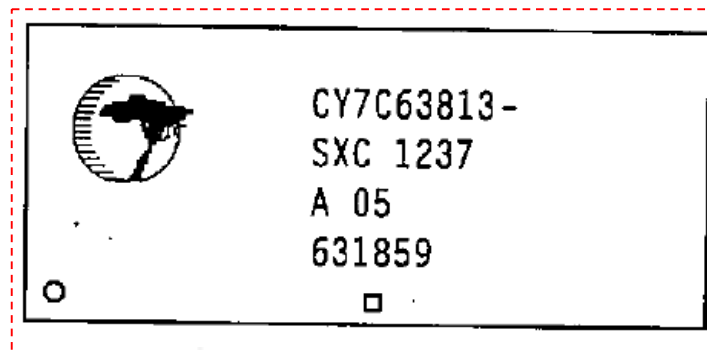
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format : CY7C63801-SXC.

Line 1: CY7C63813-  
Line 2: SXC 1237  
Line 3: A 05  
Line 4: 631859

### Note:

1. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside the pin 1 indicator.

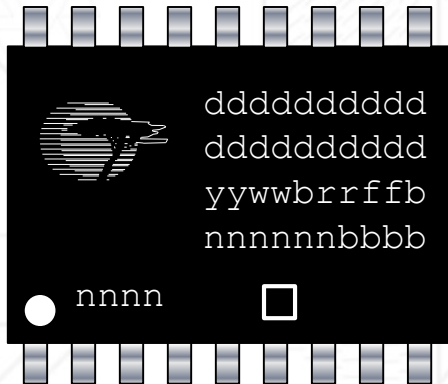


### Packages :

- SOIC 16L – 300 mils
- SOIC 18L - 300 mils

# SOIC 20L/SOIC 24L

## Using Gold (Au) Wire



Lines 1 – 4: 10 characters per line  
Line 5: 4 characters

1st and 2nd line is the marketing part number.

3rd line is the date code, backend revision and fab site

4th line is the lot code

## Using Copper (Cu) Wire



Lines 1 – 4: 10 characters per line  
Line 5: 4 characters

1st and 2nd line is the marketing part number.

3rd line is the date code, backend revision and fab site

4th line is the lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY8C24223A-24SXI

Line 1: CY8C24223

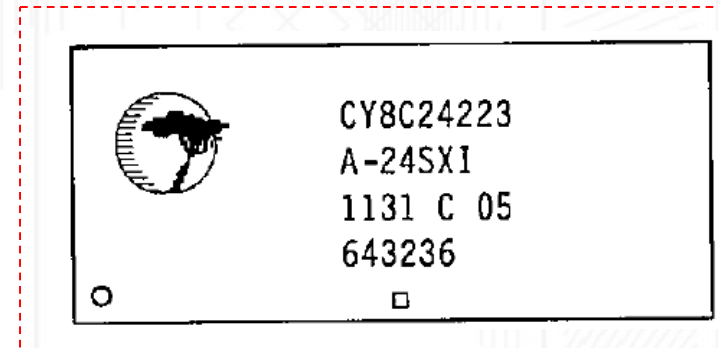
Line 2: A-24SXI

Line 3: 1131 C 05

Line 4: 643236

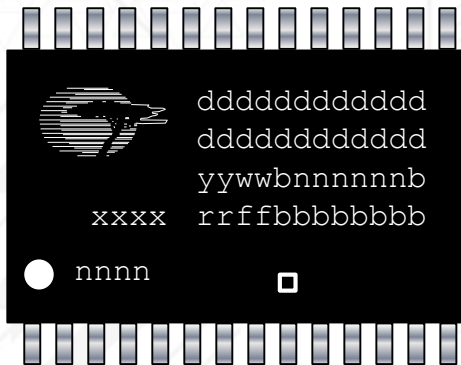
Note:

1. If Mkt. PN is >10 char, break the Mkt. PN after the 10th character then move the remaining characters on the second line.
2. If the dash ("-") falls in any character before the 10th character, break the Mkt. PN after the dash then move the remaining characters to the second line.
3. If characters "A", "C", or "P" falls in any characters before the 10th character, break the Mkt. PN after "A", "C", or "P" characters then move the remaining characters on the second line.



# SOIC 28L- SOIC 32L

## Using Gold (Au) Wire



Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

3<sup>rd</sup> line is the date code and lot code

4<sup>th</sup> line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rrff.

xxxx – Country of Origin (COO) – for Packages with no engraved COO.

## Using Copper (Cu) Wire



Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

3<sup>rd</sup> line is the date code and lot code

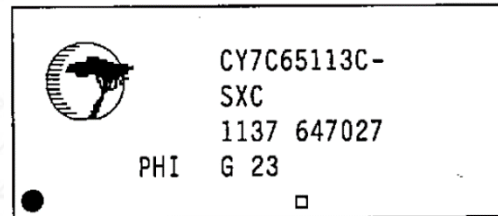
4<sup>th</sup> line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rrff.

xxxx – Country of Origin (COO) – for Packages with no engraved COO.

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY7C65113C-SXC

Line 1: CY7C65113C-  
Line 2: SXC  
Line 3: 1137 647027  
Line 4: PHI G 23



### Note:

1. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 12th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside the pin 1 indicator.

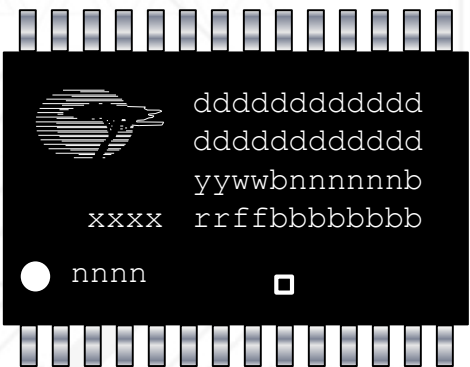
### Packages :

- SOIC 28 - 300/400/450 mils
- SOIC 32 450 mils



# SOIC 28L (SNC – GULL WING)

## Using Gold (Au) Wire



Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

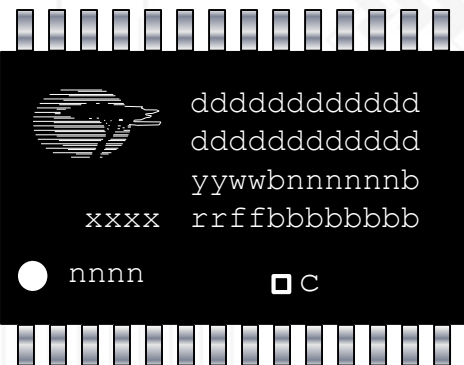
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

3<sup>rd</sup> line is the date code and lot code

4<sup>th</sup> line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

xxxx – Country of Origin (COO) – for Packages with no engraved COO.

## Using Copper (Cu) Wire



Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

3<sup>rd</sup> line is the date code and lot code

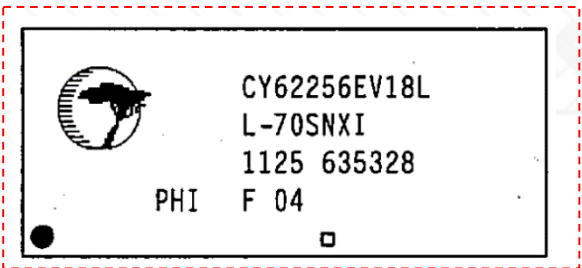
4<sup>th</sup> line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

xxxx – Country of Origin (COO) – for Packages with no engraved COO.

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY62256EV18LL-70SNXI

Line 1: CY62256EV18L  
Line 2: L-70SNXI  
Line 3: 1125 635328  
Line 4: PHI F 04



### Note:

1. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 12th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside the pin 1 indicator.

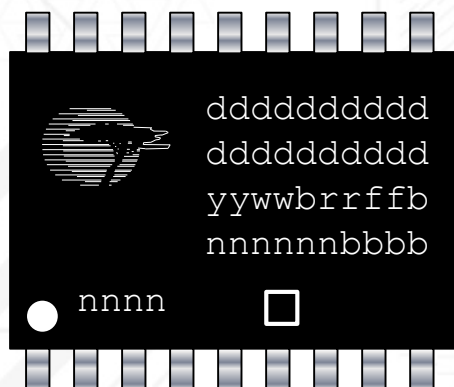
### Packages :

- SOIC 28 - 300/400/450 mils



# SOJ 28L - SOJ 44L

## Using Gold (Au) Wire



Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN and date code.

3<sup>rd</sup> line is the backend revision, fab site, and lot code

## Using Copper (Cu) Wire



Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN.

3<sup>rd</sup> line is the backend revision, fab site, and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

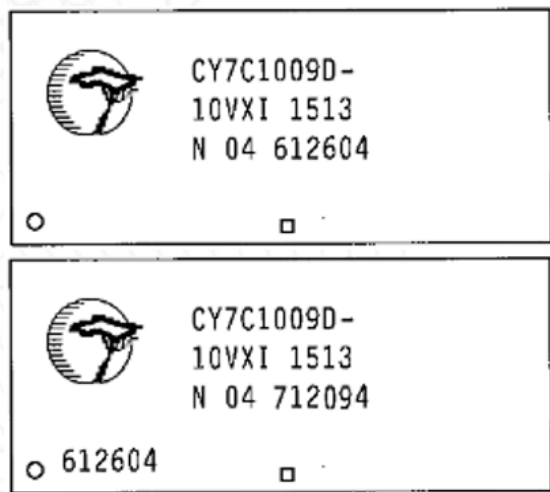
## Example Marking Format : CY7C1009D-10VXI

Mark in Assembly (MIA)

Line 1: CY7C1009D  
Line 2: -10VXI 1513  
Line 3: N 04 612604

Mark in Finish (non-MIA)

Line 1: CY7C1009D  
Line 2: -10VXI 1513  
Line 3: N 04 712094  
Line 4: 612604



Note:

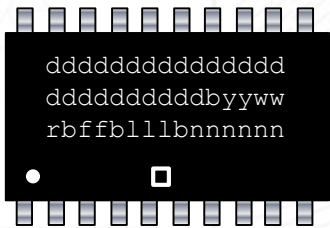
1. If Mkt PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 12th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. Move the rrbff to the left followed by a blank (b) and the 6 digit mark lot number (nnnnnn)
4. For Non-MIA devices, mark first and last five digits of the assembly lot number (nnnnnn) beside the pin 1 indicator.

Packages :

- SOJ28 - 300/400 mils
- SOJ32 - 300/400 mils
- SOJ44 - 300/400 mils

# SSOP 20L/SSOP 28L

## Using Gold (Au) Wire



Lines 1 – 3: 15 characters per line

1<sup>st</sup> is the marketing part number

2<sup>nd</sup> line is the remaining marketing part number and datecode

3<sup>rd</sup> line is the backend revision, fab site, 'CYP' and lot code

## Using Copper (Cu) Wire



Lines 1 – 3: 15 characters per line

1<sup>st</sup> is the marketing part number

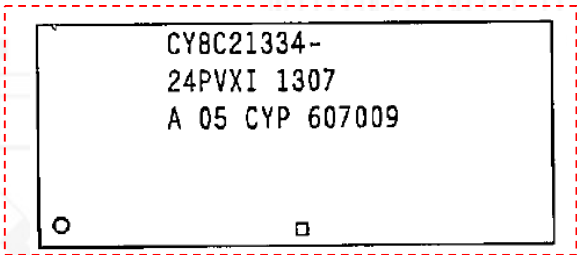
2<sup>nd</sup> line is the remaining marketing part number and datecode

3<sup>rd</sup> line is the backend revision, fab site, 'CYP' and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY8C21334-24PVXI

Line 1: CY8C21334-  
Line 2: 24PVXI 1307  
Line 3: A 05 CYP 607009



Packages :

- SOJ20 - 209 mils
- SOJ28 - 209 mils

## Using Gold (Au) Wire



Lines 1 – 3: 19 characters per line

1<sup>st</sup> is the marketing part number

2<sup>nd</sup> line backend revision fab site, COO and date code.

3<sup>rd</sup> line is the 'CYP' and the lot code

## Using Copper (Cu) Wire



Lines 1 – 3: 19 characters per line

1<sup>st</sup> is the marketing part number

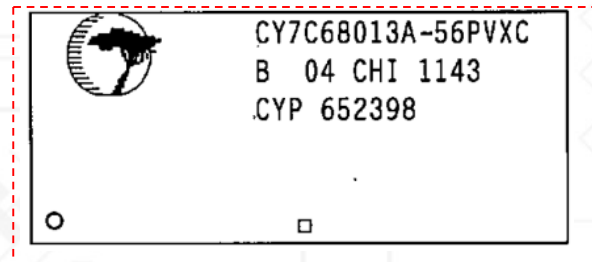
2<sup>nd</sup> line backend revision fab site, COO and date code.

3<sup>rd</sup> line is the 'CYP' and the lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY7C68013A-56PVXC

Line 1: CY7C68013A-56PVXC  
Line 2: B 04 CHI 1143  
Line 3: CYP 652398



# QSOP 20L/QSOP 28L

## Using Gold (Au) Wire



1<sup>st</sup> and 2<sup>nd</sup> line (16 characters) is the marketing part number. If total Mkt Part number characters exceed 16 characters, then first 16 characters will be mark on the unit (first and 2nd line will be used). This will be followed by the datecode.

3<sup>rd</sup> line (14 characters) is the backend revision and fab site.

4<sup>th</sup> line is the 'CYP' and lot code.

## Using Copper (Cu) Wire



1<sup>st</sup> and 2<sup>nd</sup> line (16 characters) is the marketing part number. If total Mkt Part number characters exceed 16 characters, then first 16 characters will be mark on the unit (first and 2nd line will be used). This will be followed by the datecode.

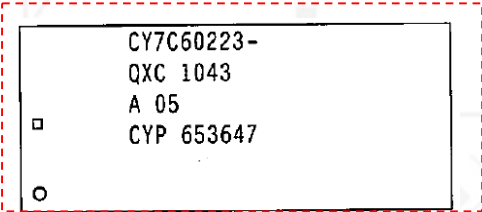
3<sup>rd</sup> line (14 characters) is the backend revision and fab site.

4<sup>th</sup> line is the 'CYP' and lot code.

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY7C60223-QXC

Line 1: CY7C60223-  
Line 2: QXC 1043  
Line 3: A 05  
Line 4: CYP 653647



### NOTES:

1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

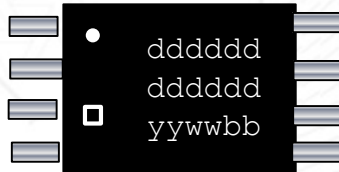
### Packages :

- QSOP20 – 150mils
- QSIOP28 – 150mils



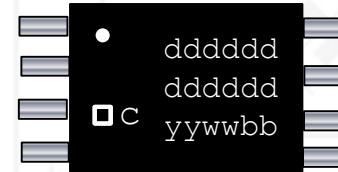
# TSSOP 8L

## Using Gold (Au) Wire



Lines 1 – 3: 6 characters per line  
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number  
3<sup>rd</sup> line is the date code

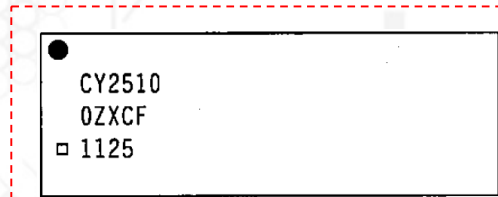
## Using Copper (Cu) Wire



Lines 1 – 3: 6 characters per line  
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number  
3<sup>rd</sup> line is the date code  
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY25100ZXCF

Line 1: CY2510  
Line 2: 0ZXCF  
Line 3: 1125



### Note:

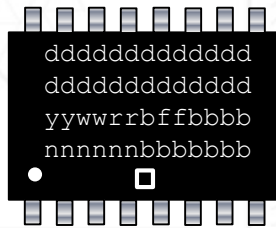
1. Requirement of "SIX DIGIT ASSEMBLY LOT NUMBER AND COUNTRY OF ORIGIN IS REQUIRED ON BACKSIDE MARKING"

### Packages :

- TSSOP 8 – 173 mils

# TSSOP 16L

## Using Gold (Au) Wire



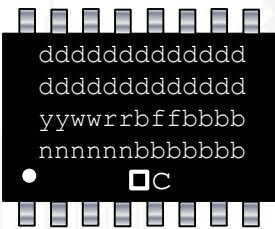
Lines 1 – 4: 13 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If total Mkt Part number characters exceed 13 characters, then first 13 characters will be mark on the unit (first and 2nd line will be used).

3<sup>rd</sup> line is the date code, backend revision, fab site

4<sup>th</sup> line is the lot code

## Using Copper (Cu) Wire



Lines 1 – 4: 13 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If total Mkt Part number characters exceed 13 characters, then first 13 characters will be mark on the unit (first and 2nd line will be used).

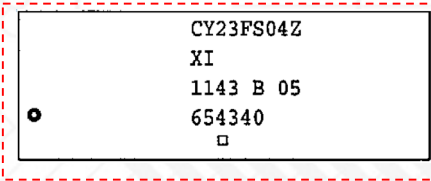
3<sup>rd</sup> line is the date code, backend revision, fab site

4<sup>th</sup> line is the lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY23FS04ZXIT

Line 1: CY23FS04Z  
Line 2: XI  
Line 3: 1143 B 05  
Line 4: 654340



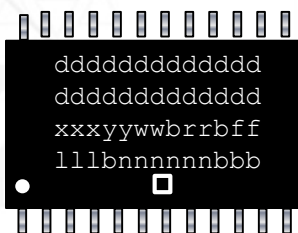
## NOTES:

1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

## Packages :

- TSSOP16 – 173 mils

## Using Gold (Au) Wire



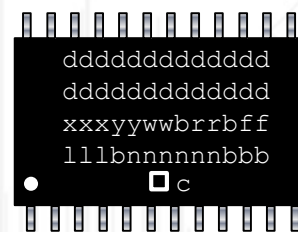
Lines 1 – 4: 13 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If total Mkt Part number characters exceed 13 characters, then first 13 characters will be mark on the unit (first and 2nd line will be used). If the total Mkt Part number characters is ≤13 characters, move the succeeding characters to line 2

3<sup>rd</sup> line is the COO, date code, backend revision, fab site

4<sup>th</sup> line is the 'CYP' and lot code

## Using Copper (Cu) Wire



Lines 1 – 4: 13 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If total Mkt Part number characters exceed 13 characters, then first 13 characters will be mark on the unit (first and 2nd line will be used). If the total Mkt Part number characters is ≤13 characters, move the succeeding characters to line 2

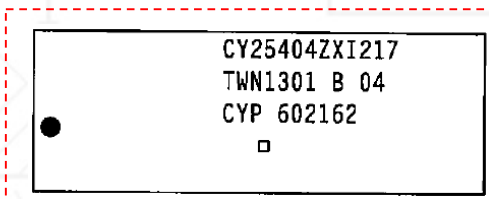
3<sup>rd</sup> line is the COO, date code, backend revision, fab site

4<sup>th</sup> line is the 'CYP' and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY25404ZXI217

Line 1: CY25404ZXI217  
Line 2: TWN1301 B 04  
Line 3: CYP 602162



### NOTES:

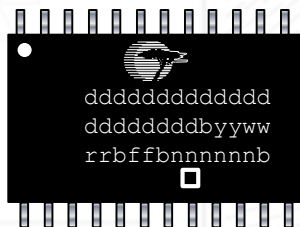
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

Packages :

- TSSOP20 – 173 mils

# TSSOP 20L (REVERSE OPTION)

## Using Gold (Au) Wire



Lines 1 – 3: 13 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If total Mkt Part number characters exceed 13 characters, then first 13 characters will be mark on the unit (first and 2nd line will be used) followed by the datecode.

3<sup>rd</sup> line is the backend revision, fab site and the lot code

## Using Copper (Cu) Wire



Lines 1 – 3: 13 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If total Mkt Part number characters exceed 13 characters, then first 13 characters will be mark on the unit (first and 2nd line will be used) followed by the datecode.

3<sup>rd</sup> line is the backend revision, fab site and the lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : : CY62256VNLL-70ZRXI

Line 1: CY62256VNLL-  
Line 2: 70ZRXI 1301  
Line 3: ND 04 600295



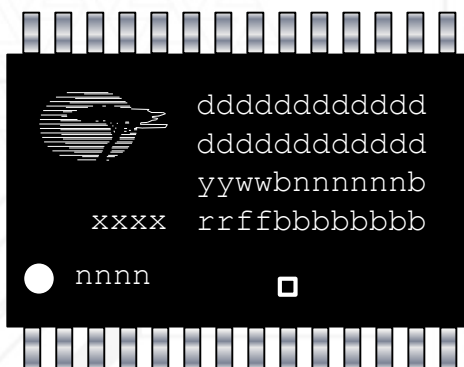
## NOTES:

1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.



# TSOP II 32L to TSOP II 54L

## Using Gold (Au) Wire



Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

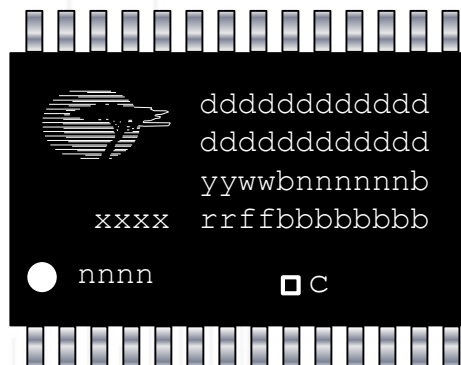
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

3<sup>rd</sup> line is the date code and lot code

4<sup>th</sup> line is the backend revision and fab site.

xxxx – Country of Origin (COO) – for Packages with no engraved COO.

## Using Copper (Cu) Wire



Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

3<sup>rd</sup> line is the date code and lot code

4<sup>th</sup> line is the backend revision and fab site.

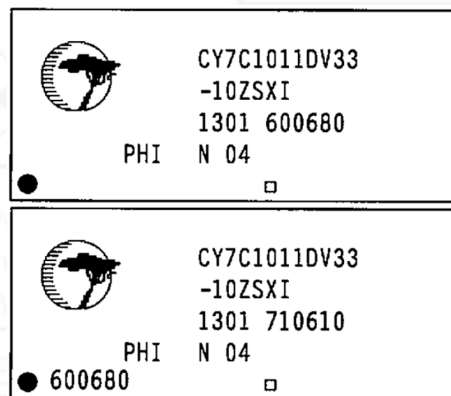
xxxx – Country of Origin (COO) – for Packages with no engraved COO.

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format : CY7C1011DV33-10ZSXI

Line 1: CY7C1011DV33  
Line 2: -10ZSXI  
Line 3: 1301 600680  
Line 4: PHI N 04

Line 1: CY7C1011DV33  
Line 2: -10ZSXI  
Line 3: 1301 710610  
Line 4: PHI N 04  
Line 5: 600680



Packages :

- TSOP II 32 – 435/400 mils
- TSOP II 44 – 435/400 mils
- TSOP II 54 – 435/400 mils

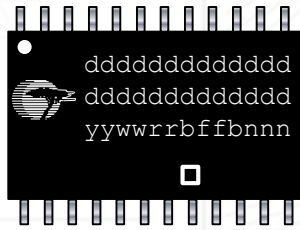
Note:

1. If the dash ("-") falls in any character before the 12th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
2. For Non-MIA devices, mark first and last five digits of the assembly lot number (nnnnnn) beside the pin 1 indicator.

Reference: 37-00001, Figure 6

# TSOP 28L/TSOP 48L

## Using Gold (Au) Wire



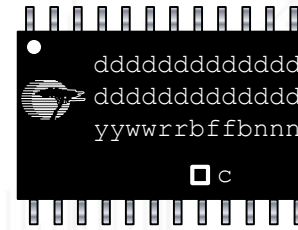
Lines 1 – 3: 13 characters per line

1<sup>st</sup> line is the marketing part number.

2<sup>nd</sup> line is the marketing part number if > 13 chars and date code

3<sup>rd</sup> line is backend revision, fab site and the lot code

## Using Copper (Cu) Wire



Lines 1 – 3: 13 characters per line

1<sup>st</sup> line is the marketing part number.

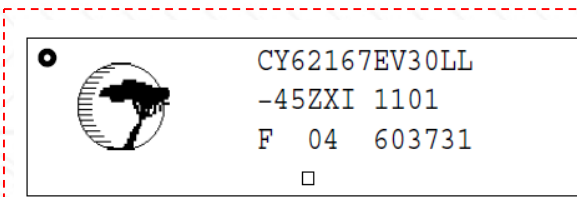
2<sup>nd</sup> line is the marketing part number if > 13 chars and date code

3<sup>rd</sup> line is backend revision, fab site and the lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY62167EV30LL-45ZXI

Line 1: CY62167EV30LL  
Line 2: -45ZXI 1101  
Line 3: F 04 603731



## NOTES:

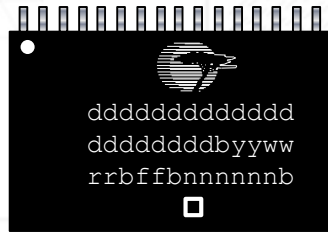
1. First 2-lines will be used for marketing part number
2. If total Mkt Part Number characters exceed 13 characters, then first characters will be mark on line 1 followed by remaining of the part number on line 2.
3. Date code follows after the part number.

## Packages :

- TSOP28 – 787 mils
- TSOP48 - 787 mils

# STSOP 32L

## Using Gold (Au) Wire



Lines 1 – 3: 13 characters per line

1<sup>st</sup> line is the marketing part number

2<sup>nd</sup> line is the marketing part number if > 13 chars and datecode

3<sup>rd</sup> line is the backend revision, fab site and the lot code

## Using Copper (Cu) Wire



Lines 1 – 3: 13 characters per line

1<sup>st</sup> line is the marketing part number

2<sup>nd</sup> line is the marketing part number if > 13 chars and datecode

3<sup>rd</sup> line is the backend revision, fab site and the lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format:

LOT DETAILS:

**MPN:** CY62138FV30LL-45ZAXA

**ASS LOT NO:** 611812089

**FPO LOT NO:** 711801265

Line 1: CY62138FV30LL

Line 2: -45ZAXA 1843

Line 3: G 04 612089

Line 4: 02089 (NON-MIA)



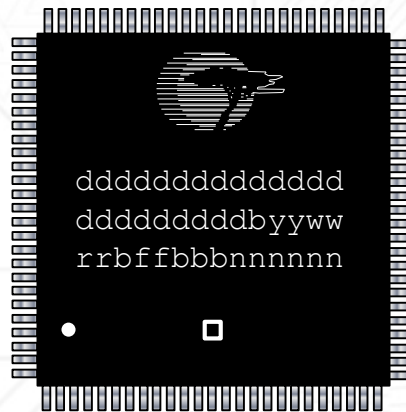
## NOTES:

1. First 2-lines will be used for marketing part number
2. If total Mkt Part number characters exceed 13 characters, then first 13 characters will be mark on line 1 followed by remaining characters of the part number on line 2.
3. Date code follows after the part number.
4. For Non-MIA devices, mark first "0" and last four digits of the assembly lot number (nnnnn) near pin1 bottom left part.



# TQFP 32L to TQFP 144L

## Using Gold (Au) Wire

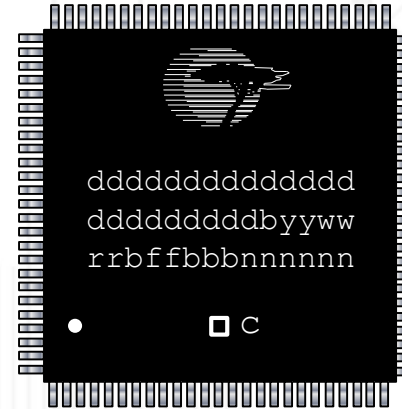


Lines 1 – 4: 14 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains  $\leq 5$  char, move yyww to the second line after the Mkt. PN.

3<sup>rd</sup> line is backend revision, fab site and lot code

## Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains  $\leq 5$  char, move yyww to the second line after the Mkt. PN.

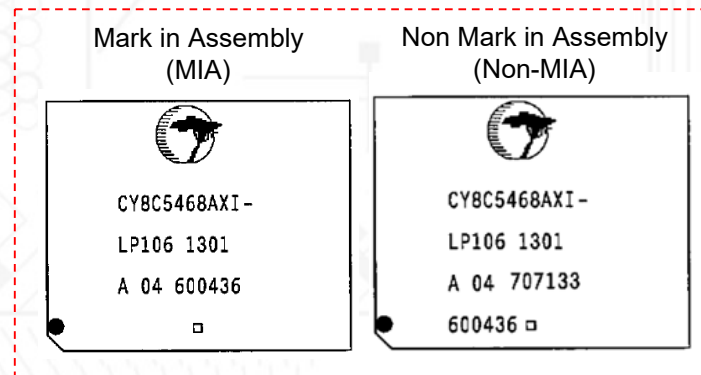
3<sup>rd</sup> line backend revision, fab site And lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY8C5468AXI-LP106

Mark in Assembly (MIA)  
Line 1: CY8C5468AXI-  
Line 2: LP106 1301  
Line 3: A 04 600436

Non Mark in Assembly (Non-MIA)  
Line 1: CY8C5468AXI-  
Line 2: LP106 1301  
Line 3: A 04 700436  
Line 4: 600436



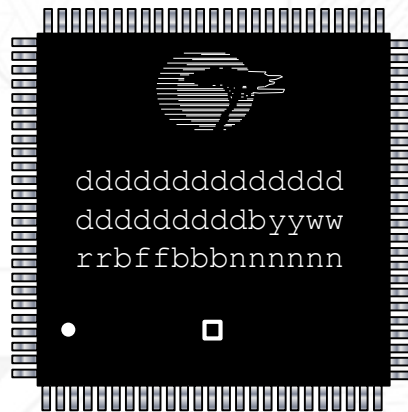
## Note:

1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.
2. For Non-Mark In Assembly (MIA) devices assembled at Autoline, mark last 4 digits or 6 digits of the assembly lot number (nnnn / nnnnnn) beside the pin 1 indicator.



# TQFP 32L to TQFP 144L (EXPOSED PAD)

## Using Gold (Au) Wire

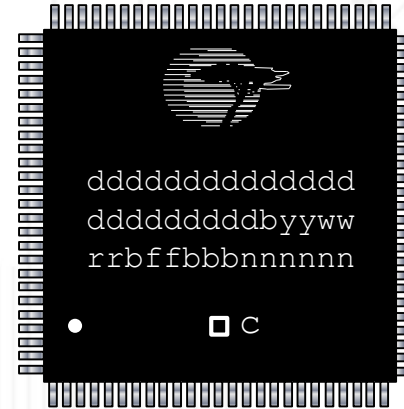


Lines 1 – 4: 14 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN, Date code, Backend Revision and fab code

3<sup>rd</sup> line is the lot code

## Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN. Date code, backend revision and fab code

3<sup>rd</sup> line is lot code

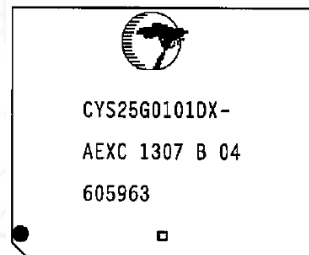
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : : CY525G101DX-AEXC

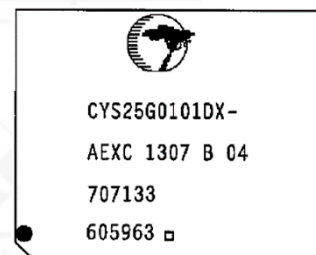
Mark in Assembly (MIA)  
Line 1: CY525G101DX-  
Line 2: AEXC 1307 B 04  
Line 3: 605963

Non Mark in Assembly (Non-MIA)  
Line 1: CY525G101DX-  
Line 2: AEXC 1307 B 04  
Line 3: 707133  
Line 4: 605963

Mark in Assembly  
(MIA)



Non Mark in Assembly  
(Non-MIA)

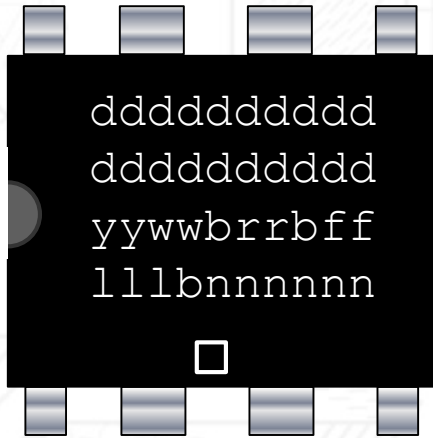


Note:

1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.
2. For Non-Mark In Assembly (MIA) devices assembled at Autoline, mark last 4 digits or 6 digits of the assembly lot number (nnnn / nnnnnn) beside the pin 1 indicator.

# PDIP 8L

## Using Gold (Au) Wire

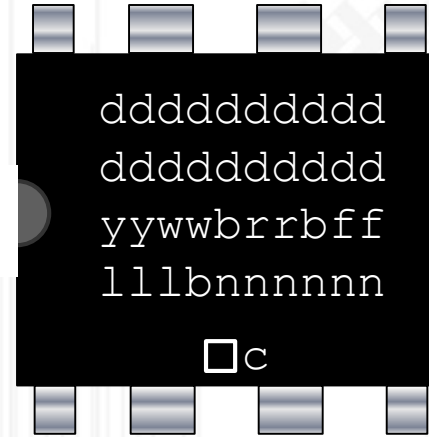


1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number.

3<sup>rd</sup> line is the date code, backend revision and fab site

4<sup>th</sup> line is the CYP and the lot code

## Using Copper (Cu) Wire



1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number.

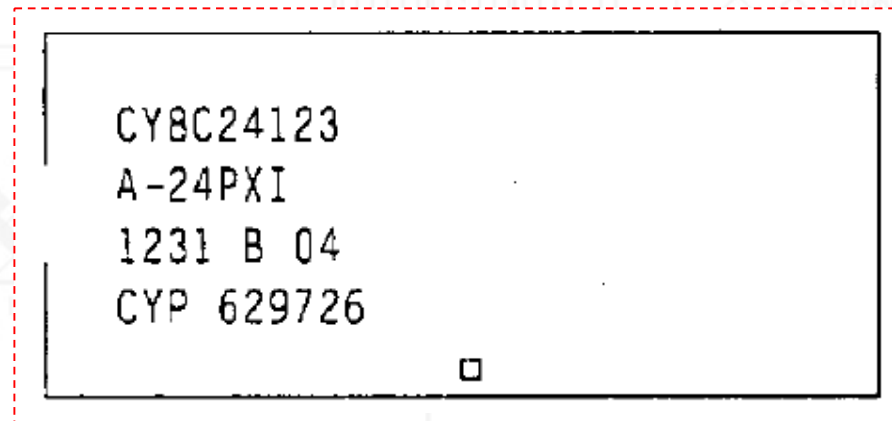
3<sup>rd</sup> line is the date code, backend revision and fab site

4<sup>th</sup> line is the CYP and the lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

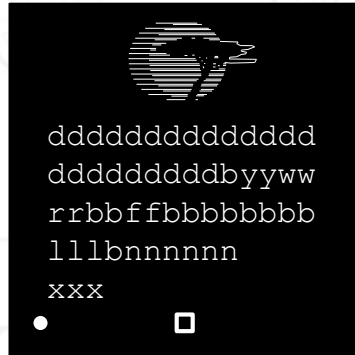
Example Marking Format: : CY8C24123A-24PXI

Line 1: CY8C24123  
Line 2: A-24PXI  
Line 3: 1231 B 04  
Line 4: CYP 629726



Packages :  
• PDIP8 – 300 mils

## Using Gold (Au) Wire



Lines 1 – 4: 14 characters per line

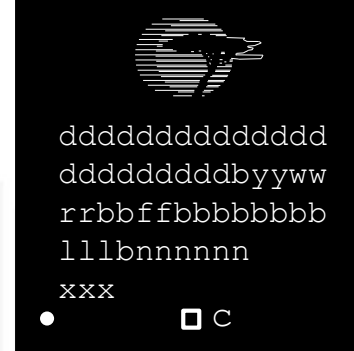
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww (date code) to the second line after the Mkt. PN.

3<sup>rd</sup> line is backend revision and fab site

4<sup>th</sup> line is the CYP and the lot code

5<sup>th</sup> line is the COO

## Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww (date code) to the second line after the Mkt. PN.

3<sup>rd</sup> line is backend revision and fab site

4<sup>th</sup> line is the CYP and the lot code

5<sup>th</sup> line is the COO

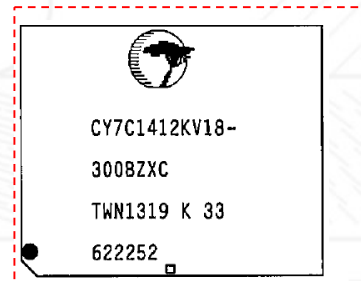
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY7C1412KV18-300BZXC

Package: BGA165

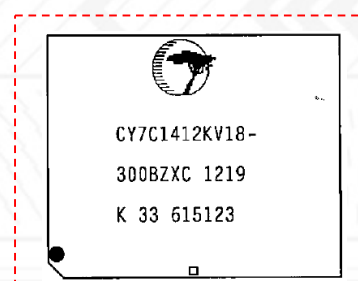
### Assembly Location: ASE Taiwan

Line 1: CY7C1412KV18-  
Line 2: 300BZXC  
Line 3: TWN1319 K 33  
Line 4: 622252



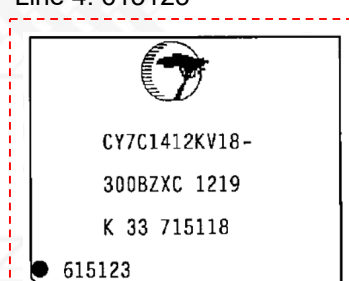
### Assembly Location: CML Philippines

Line 1: CY7C1412KV18-  
Line 2: 300BZXC 1219  
Line 3: K 33 615123



### Assembly Location: CML Philippines

Line 1: CY7C1412KV18-  
Line 2: 300BZXC 1219  
Line 3: K 33 715118  
Line 4: 615123



### Note:

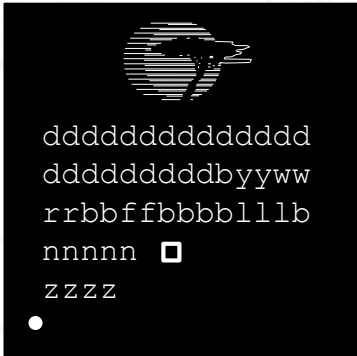
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.
2. For Non-MIA devices, mark first and last five digits of the assembly lot number (nnnnnn) beside the pin 1 indicator

### Packages :

- BGA100, BGA144, BGA165, BGA172, BGA196, BGA119, BGA121, BGA209, BGA256, BGA272, BGA 484 (906mils)

# For Cypress Bangkok BKK – 165BGA 15x13mm and 17x15mm

## Using Gold (Au) Wire



Lines 1 – 4: 14 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww (date code) to the second line after the Mkt. PN.

3<sup>rd</sup> line is backend revision and fab site, lot code

4<sup>th</sup> Unit code level traceability

## Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww (date code) to the second line after the Mkt. PN.

3<sup>rd</sup> line is backend revision and fab site

4<sup>th</sup> Unit code level traceability

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

### Package: BGA165

LEVEL TRACEABILITY ID on the 4th line "ZZZZZZ".

15 X 13mm

17 x 15mm

17 X 15mm



MIA – Mark In Assembly



MIA – Mark In Assembly



Non-MIA – Mark In Finish

### Note:

1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.
2. For Non-MIA devices, mark first and last five digits of the assembly lot number (nnnnnn) beside the pin 1 indicator



# L2BGA 256L

## Using Gold (Au) Wire



Lines 1 – 3: 16 characters per line

1<sup>st</sup> the marketing part number

2<sup>nd</sup> line is the marketing part number followed by the COO and datecode

3<sup>rd</sup> line is the backend revision, fab site and lot code

## Using Copper (Cu) Wire



Lines 1 – 3: 16 characters per line

1<sup>st</sup> the marketing part number

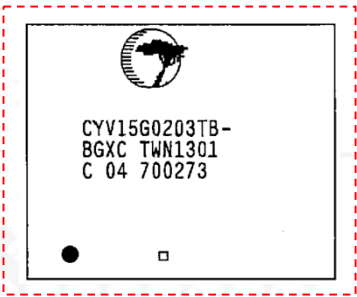
2<sup>nd</sup> line is the marketing part number followed by the COO and datecode

3<sup>rd</sup> line is the backend revision, fab site and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CYV15G0203TB-BGXC

Line 1: CYV15G0203TB-  
Line 2: BGXC TWN 1301  
Line 3: C 04 700273



Note:

1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.

# FCBGA 361L (WITH HEAT SPREADER)

## Using Gold (Au) Wire



Lines 1 – 3: 16 characters per line

1<sup>st</sup> the marketing part number

2<sup>nd</sup> line is the marketing part number followed by the COO and datecode

3<sup>rd</sup> line is the backend revision, fab site and lot code

## Using Copper (Cu) Wire



Lines 1 – 3: 16 characters per line

1<sup>st</sup> the marketing part number

2<sup>nd</sup> line is the marketing part number followed by the COO and datecode

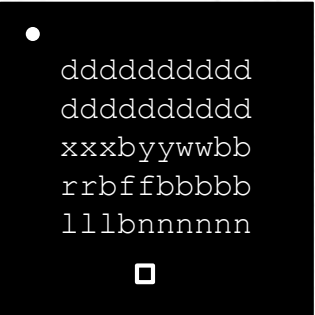
3<sup>rd</sup> line is the backend revision, fab site and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

# No Example Available

# BGA 36L to BGA 48L

## Using Gold (Au) Wire



Lines 1 – 5: 10 characters per line

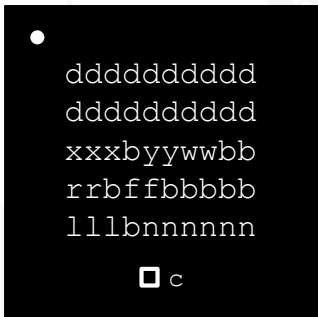
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

3<sup>rd</sup> line is the COO, and date code

4<sup>th</sup> line is the backend revision and fab site

5<sup>th</sup> line is 'CYP' and lot code

## Using Copper (Cu) Wire



Lines 1 – 5: 10 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

3<sup>rd</sup> line is the COO, and date code

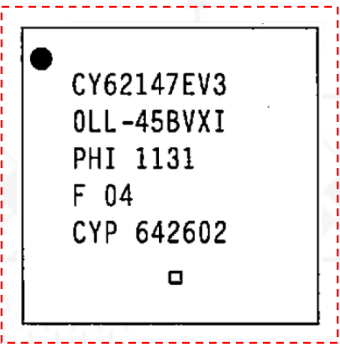
4<sup>th</sup> line is the backend revision and fab site

5<sup>th</sup> line is 'CYP' and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY62147EV30LL-45BVXI

Line 2: 0LL-45BVXI  
Line 3: PHI 1131  
Line 4: F 04  
Line 5: CYP 642602

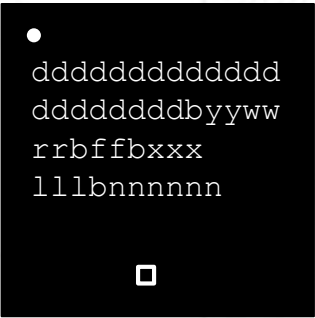


Note:

1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.

# BGA 36L/BGA 48L/BGA 60L/BGA 121L

## Using Gold (Au) Wire



Lines 1 – 4: 13 characters per line

1<sup>st</sup> line is the marketing part number

2<sup>nd</sup> line is the remaining marketing part number and datecode

3<sup>rd</sup> line is the backend revision, fab site and COO

4<sup>th</sup> line is 'CYP' and lot code

## Using Copper (Cu) Wire



Lines 1 – 4: 13 characters per line

1<sup>st</sup> line is the marketing part number

2<sup>nd</sup> line is the remaining marketing part number and datecode

3<sup>rd</sup> line is the backend revision, fab site and COO

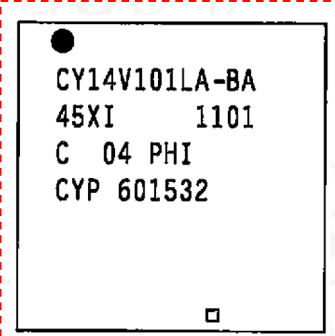
4<sup>th</sup> line is 'CYP' and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY14V101LA-BA45XI

Example Marking Format: : CYUSB3035-BZXI

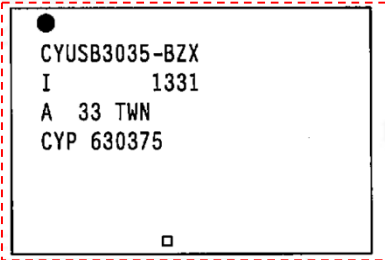
Line 1: CY14V101LA-BA  
Line 2: 45XI 1101  
Line 3: C 04 PHI  
Line 4: CYP 601532



Part Number: CYUSB3035-BZXI  
Package: BGA121

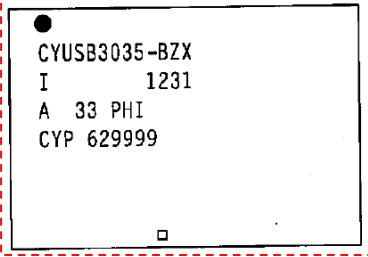
Assembly Location: ASE Taiwan

Line 1: CYUSB3035-BZX  
Line 2: I 1331  
Line 3: A 33 TWN  
Line 4: CYP 630375



Assembly Location: CML Philippines

Line 1: CYUSB3035-BZX  
Line 2: I 1231  
Line 3: A 33 PHI  
Line 4: CYP 629999





# 48 – 124V/FBGA

## Using Gold (Au) Wire



1<sup>st</sup> line Marketing Part Number  
2<sup>nd</sup> line is the marketing part number followed by COO and date code  
3<sup>rd</sup> line backend revision, fab site, CYP and lot code

## Using Copper (Cu) Wire

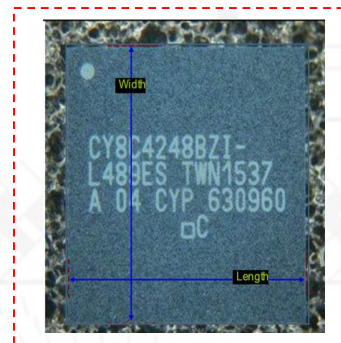


1<sup>st</sup> line Marketing Part Number  
2<sup>nd</sup> line is the marketing part number followed by COO and date code  
3<sup>rd</sup> line backend revision, fab site, CYP and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY8C4248BZI-L489

Line 1: CY8C4248BZI-  
Line 2: L489 TWN1537  
Line 3: A 04 CYP 630960



Note:

1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.

Package code:

48 Lead VFBGA (8x9.5x1.0mm)  
48 Lead FBGA (8x10x1.2mm)  
54 Lead VFBGA (8X8X1.0mm)  
90 Lead VFBGA (8x13x1.0mm)  
60 Lead FBGA (8x20x1.2mm)  
124 Lead VFBGA (9x9x1.0mm)  
60 Lead FBGA (10x18x1.2mm)

BV (VFBGA – BV48B) Package width: 315mils  
BZ (VFBGA Pb-free) Package width: 315 mils  
BA (FBGA – BA48H) Package width: 315mils  
BA (FBGA – BA60A) Package width: 315mils  
BK (FBGA Pb-free – BK48H) Package width: 315 mils  
BK (FBGA Pb-Free – BK60A) Package width: 315mils  
BZ (VFBGA Pb-Free- BZ0AA) Package width : 315mils  
BK (FBGA Pb-Free - BK60B) Package width : 315mils

# VFBGA 36L - VFBGA 100L

## Using Gold (Au) Wire



Lines 1 – 5: 10 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

3<sup>rd</sup> line is the COO, and date code

4<sup>th</sup> line is the backend revision and fab site

5<sup>th</sup> line is 'CYP' and lot code

## Using Copper (Cu) Wire



Lines 1 – 5: 10 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

3<sup>rd</sup> line is the COO, and date code

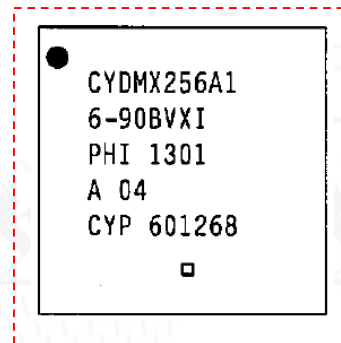
4<sup>th</sup> line is the backend revision and fab site

5<sup>th</sup> line is 'CYP' and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CYDMX256A16-90BVXI

Line 1: CYDMX256A1  
Line 2: 6-90BVXI  
Line 3: PHI 1301  
Line 4: A 04  
Line 5: 601268



Note:

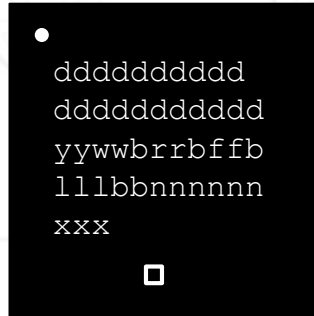
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.

Package:

- :BV (VFBGA) Package width 236
- : BZ , BC (VFBGA Pb-free) Package width 236
- : BA (FBGA) Package width 236
- : BK (FBGA – Pb-Free) Package width 236
- : BD (VFBGA) Package width 236
- : BE (VFBGA Pb-Free) Package width 236
- : BU (Package: BU (Ultra-Thin BGA Pb-free) Package width 236

# VFBGA 60L

## Using Gold (Au) Wire



Line 1: 10 characters  
Lines 2 – 4: 11 characters per line  
Line 5: 3 characters

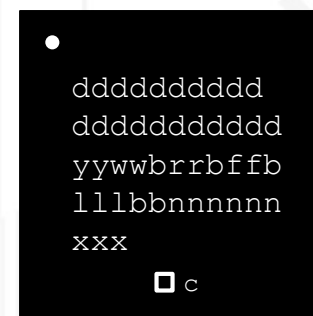
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

3<sup>rd</sup> line is the date code, backend revision and fab site

4<sup>th</sup> line is CYP' and lot code

5<sup>th</sup> line is the COO

## Using Copper (CuPd) Wire



Line 1: 10 characters  
Lines 2 – 4: 11 characters per line  
Line 5: 3 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

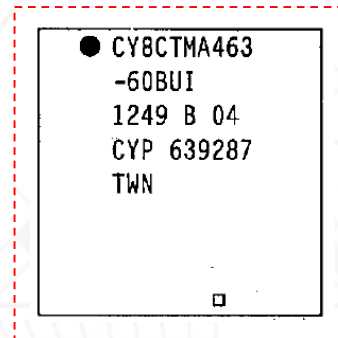
3<sup>rd</sup> line is the date code, backend revision and fab site

4<sup>th</sup> line is CYP' and lot code

5<sup>th</sup> line is the COO

## Example Marking Format: : CY8CTMA463-60BUI

Line 1: CY8CTMA463  
Line 2: -60BUI  
Line 3: 1249 B 04  
Line 4: CYP 639287  
Line 5: TWN



Note:

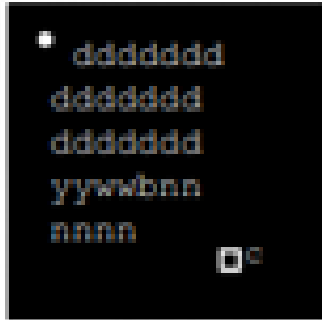
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.

Packages :

- VFBGA 60 – 216 mils

# 48 uFBGA (BU), 25ball WLCSP, 36ball WLCSP, 116 VFBGA

## Using Copper (Cu) Wire



1<sup>st</sup> line (7characters) is the marketing part number

2<sup>nd</sup> line (7characters) is the marketing part number.

3<sup>rd</sup> line (7characters) is the marketing part number.

4<sup>th</sup> line (7 characters) is the datecode and lot code

5<sup>th</sup> line (4 characters) is the lotcode

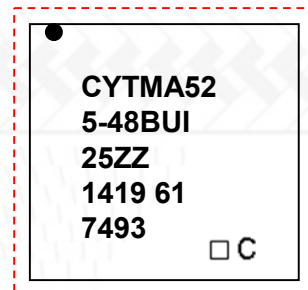
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

### Note:

1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second and third line.

## Example Marking Format: : CYTMA525-48BUI25ZZ

Line 1: CYTMA52  
Line 2: 5-48BUI  
Line 3: 25ZZ  
Line 4: 1419 61  
Line 5: 7493



Package:  
48 uFBGA  
Package: BU (Ultra-Thin BGA Pb-free) Package width 169  
25 ball WLCSP 2.02x1.86mm,  
Package: FN, FY, Top mark package width: 79mil  
36ball WLCSP 2.12x2.27mm  
Package: FN, FY, Top mark package width: 83mil  
116 VFBGA  
Package: BZ (BGA Pb-free) Package width 204mil

48 uFBGA (BU), 25ball WLCSP 2.02x1.86mm,  
36ball WLCSP 2.12x2.27mm, 116 VFBGA 5.2x6.4x0.70



# UFBGA 60L

## Using Gold (Au) Wire

• dddddd  
ddddd  
yywwbrffbb  
lllbnnnnnb  
xxx



1<sup>st</sup> line (10 characters) is the marketing part number

2<sup>nd</sup> line (11 characters) is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN separated with a blank then move the rrbff to the next line.

3<sup>rd</sup> line (11 characters) is the datecode, backend revision and fab site

4<sup>th</sup> (11 characters) line is 'CYP' and lot code

5<sup>th</sup> line (3 characters) is the COO

## Using Copper (Cu) Wire

• dddddd  
ddddd  
yywwbrffbb  
lllbnnnnnb  
xxx



1<sup>st</sup> line (10 characters) is the marketing part number

2<sup>nd</sup> line (11 characters) is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN separated with a blank then move the rrbff to the next line.

3<sup>rd</sup> line (11 characters) is the datecode, backend revision and fab site

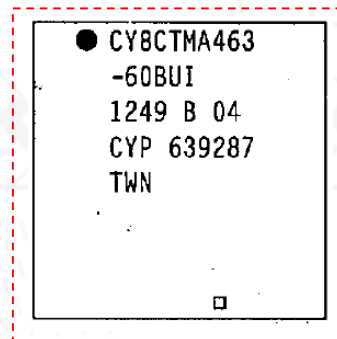
4<sup>th</sup> (11 characters) line is 'CYP' and lot code

5<sup>th</sup> line (3 characters) is the COO

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY8CTMA463-60BUI

Line 2: -60BUI  
Line 3: 1249 B 04  
Line 4: CYP 639287  
Line 5: TWN



Note:

1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.

Packages :

- UFBGA 60 – 216 mils

# UFBGA 84L

## Using Gold (Au) Wire



Lines 1 – 4: 10 characters per line

1<sup>st</sup> line is the marketing part number

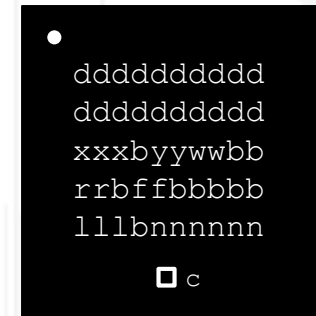
2<sup>nd</sup> line is the remaining marketing part number

3<sup>rd</sup> line is the COO and the date code.

4<sup>th</sup> line is the backend revision, fab site

5<sup>th</sup> line is 'CYP' and lot code

## Using Copper (Cu) Wire



Lines 1 – 4: 10 characters per line

1<sup>st</sup> line is the marketing part number

2<sup>nd</sup> line is the remaining marketing part number

3<sup>rd</sup> line is the COO and the date code.

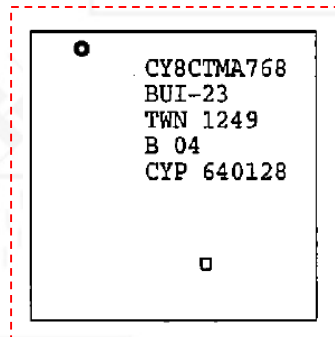
4<sup>th</sup> line is the backend revision, fab site

5<sup>th</sup> line is 'CYP' and lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY8CTMA768BUI-23

Line 1: CY8CTMA768  
Line 2: BUI-23  
Line 3: TWN 1249  
Line 4: B 04  
Line 5: CYP 640128

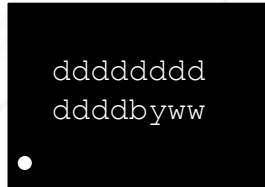


Packages :

- UFBGA 84L – 236 mils

# LCC 04L TO LCC 06L

## Using Gold (Au) Wire



Lines 1 – 2: 8 characters per line

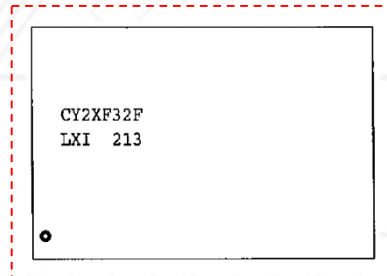
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

2<sup>nd</sup> line is the remaining marketing part number and last 3 digits of datecode (yww)

---

Example Marking Format: : CY2XF32FLXIT I

Line 1: CY2XF32F  
Line 2: LXI 213



# QFN 8L

## Using Gold (Au) Wire

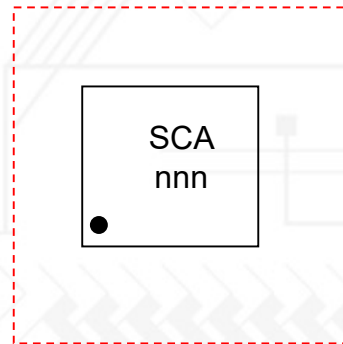


1<sup>st</sup> line (3 characters) is the 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> characters of marketing part number

2<sup>nd</sup> line (3 characters) is the last three digits of assembly lot number

Example Marking Format: CY22U1SCALGXC-00

Line 1: SCA  
Line 2: nnn



Packages :

- QFN8 = 3x3 mm



# QFN 16L

## Using Gold (Au) Wire

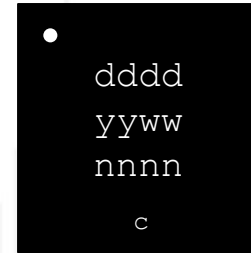


1<sup>st</sup> line (4 characters) is the 4 digit marketing part number before the dash (-)

2<sup>nd</sup> line (4 characters) is the datecode

3<sup>rd</sup> line (4 characters) is the last 4 digits of the lot number

## Using Copper (Cu) Wire



1<sup>st</sup> line (4 characters) is the 4 digit marketing part number before the dash (-)

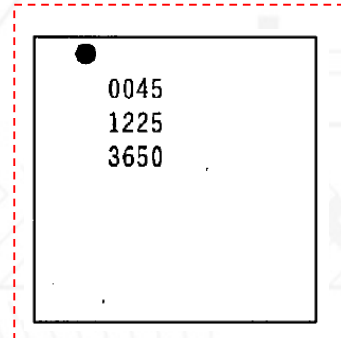
2<sup>nd</sup> line (4 characters) is the datecode

3<sup>rd</sup> line (4 characters) is the last 4 digits of the lot number

The 'C' denotes the use of copper wire.

## Example Marking Format: CY8C20045-24LKXI

Line 1: 0045  
Line 2: 1225  
Line 3: 3650

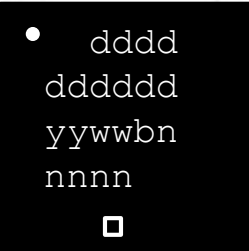


Packages :

- QFN16L = 3x3 mm

# QFN 16L/24L/28

## Using Gold (Au) Wire



- 1<sup>st</sup> line (4 characters) is the marketing part number
- 2<sup>nd</sup> line (6 characters) is the marketing part number
- 3<sup>rd</sup> line (6 characters) is the date code and the first digit of the lot code
- 4<sup>th</sup> line (4 characters) is the last 4 digit if lot code

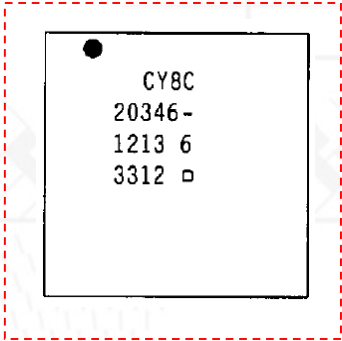
## Using Copper (Cu) Wire



- 1<sup>st</sup> line (4 characters) is the marketing part number
  - 2<sup>nd</sup> line (6 characters) is the marketing part number
  - 3<sup>rd</sup> line (6 characters) is the date code and the first digit of the lot code
  - 4<sup>th</sup> line (4 characters) is the last 4 digit if lot code
- The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: CY8C20346-24LQXI

- Line 1: CY8C
- Line 2: 20346-
- Line 3: 1213 6
- Line 4: 3312



### Note:

1. First two lines will be mark with Marketing Part numbers only. If Marketing Part number exceeds 10 characters, Mark only the first 10 characters of the marketing part number. Ignore splitting and wrap first 10 characters over the first two lines.

# QFN/DFN 8L/16L/20L

## Using Gold (Au) Wire

• dddddd  
ddddd  
yywbxxx  
nnnnn  
□

1<sup>st</sup> line (7 characters) is the marketing part number  
2<sup>nd</sup> line (8 characters) is the marketing part number  
3<sup>rd</sup> line (8 characters) is the date code and the first digit of the lot code  
4<sup>th</sup> line (6 characters) is the lot code

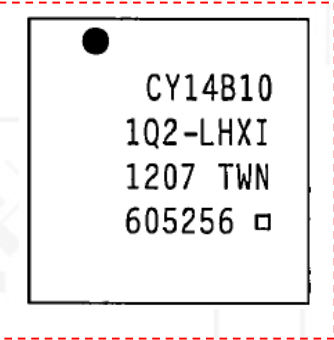
## Using Copper (Cu) Wire

• dddddd  
ddddd  
yywbxxx  
nnnnn  
□ c

1<sup>st</sup> line (7 characters) is the marketing part number  
2<sup>nd</sup> line (8 characters) is the marketing part number  
3<sup>rd</sup> line (8 characters) is the date code and the first digit of the lot code  
4<sup>th</sup> line (6 characters) is the lot code  
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

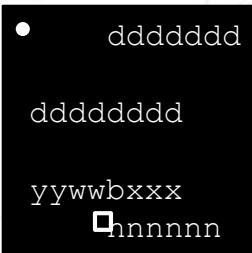
Example Marking Format: CY14B101Q2-LHXI

Line 1: CY14B10  
Line 2: 1Q2-LHXI  
Line 3: 1207 TWN  
Line 4: 605256



# \*QFN 28L/32L/36L/44L

## Using Gold (Au) Wire



- 1<sup>st</sup> line (7 characters) is the marketing part number
- 2<sup>nd</sup> line (8 characters) is the marketing part number
- 3<sup>rd</sup> line (8 characters) is the date code and country of origin
- 4<sup>th</sup> line (6 characters) is the lot code
- 5<sup>th</sup> line is the Strip ID for CML Autoline assembled only

## Using Copper (Cu) Wire



- 1<sup>st</sup> line (7 characters) is the marketing part number
- 2<sup>nd</sup> line (8 characters) is the marketing part number
- 3<sup>rd</sup> line (8 characters) is the date code and country of origin
- 4<sup>th</sup> line (6 characters) is the lot code
- 5<sup>th</sup> line is the Strip ID for CML Autoline assembled only
- The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: CY8C20436A-24LQXI

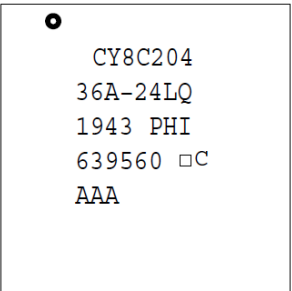
### CML Autoline Assembled

Line 1: CY8C204  
Line 2: 36A-24QI  
Line 3: 1943 PHI  
Line 4: 639560  
Line 5: AAA

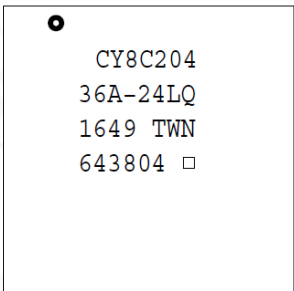
### Subcon Assembled

Line 1: CY8C204  
Line 2: 36A-24QI  
Line 3: 1943 PHI  
Line 4: 639560

### CML Assembled



### Subcon Assembled



### NOTES:

1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 8-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 9th or 10th characters, ignore dash.
4. If total Mkt Part number characters exceed 15 characters, then first 15 characters will be mark on the unit (first and 2nd line will be used)



# QFN 40L/48/56L

## Using Gold (Au) Wire

• dddddd  
ddddd  
yywwbrbff  
llnnnnnn  
xxx  
AAA □

1<sup>st</sup> line (8 characters) is the marketing part number

2<sup>nd</sup> line (9 characters) is the marketing part number

3<sup>rd</sup> line (9 characters) is the date code, backend revision and fab site

4<sup>th</sup> line (9 characters) is 'CYP' and lot code

5<sup>th</sup> line is the COO

6<sup>th</sup> line (3 characters) is the Strip ID for CML Autoline assembled only

## Using Copper (Cu) Wire

• dddddd  
ddddd  
yywwbrbff  
llnnnnnn  
xxx  
AAA □ C

1<sup>st</sup> line (8 characters) is the marketing part number

2<sup>nd</sup> line (9 characters) is the marketing part number

3<sup>rd</sup> line (9 characters) is the date code, backend revision and fab site

4<sup>th</sup> line (9 characters) is 'CYP' and lot code

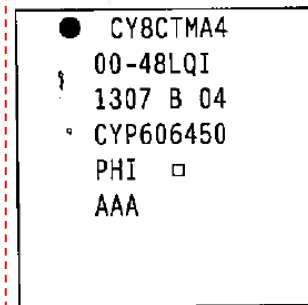
5<sup>th</sup> line is the COO

6<sup>th</sup> line (3 characters) is the Strip ID for CML Autoline assembled only

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: CY8CTMA400-48LQI

Line 1: CY8CTMA4  
Line 2: 00-48LQI  
Line 3: 1307 B 04  
Line 4: CYP606450  
Line 5: PHI  
Line 6: AAA



### NOTES:

1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 8-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 9th or 10th characters, ignore dash.
4. If total Mkt Part number characters exceed 17 characters, then first 17 characters will be mark on the unit (first and 2nd line will be used)

### Packages :

- QFN40/48/56 – 6X6 mm

Reference: 37-00001, Figure 52

## Using Gold (Au) Wire



Lines 1 – 4: 13 characters per line

1<sup>st</sup> line is the marketing part number

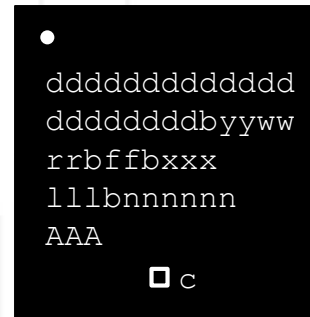
2<sup>nd</sup> line is the remaining marketing part number and datecode

3<sup>rd</sup> line is the backend revision, fab site and COO

4<sup>th</sup> line is 'CYP' and lot code

5<sup>th</sup> line (3 characters) is the strip ID applicable only for CML Autoline Assembled

## Using Copper (Cu) Wire



Lines 1 – 4: 13 characters per line

1<sup>st</sup> line is the marketing part number

2<sup>nd</sup> line is the remaining marketing part number and datecode

3<sup>rd</sup> line is the backend revision, fab site and COO

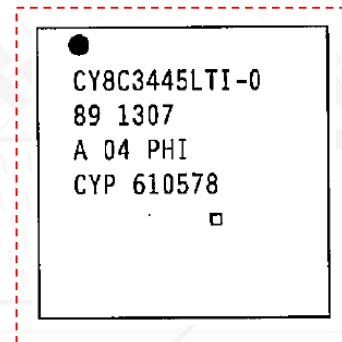
4<sup>th</sup> line is 'CYP' and lot code

5<sup>th</sup> line (3 characters) is the strip ID applicable only for CML Autoline Assembled

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: CY8C3445LTI-089

Line 1: CY8C3445LTI-0  
Line 2: 89 1307  
Line 3: A 04 PHI  
Line 4: CYP 610578  
Line 5: AAA



Packages :

- QFN48 – 7XX mm
- QFN56 – 8X8 mm

## Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

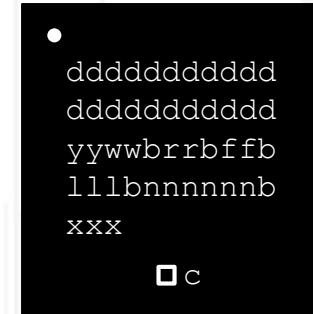
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

3<sup>rd</sup> line is the date code, backend revision and fab site

4<sup>th</sup> line is 'CYP' and lot code

5<sup>th</sup> line (3 characters) is COO

## Using Copper (Cu) Wire



Lines 1 – 4: 11 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

3<sup>rd</sup> line is the date code, backend revision and fab site

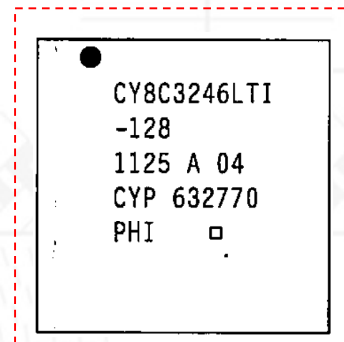
4<sup>th</sup> line is 'CYP' and lot code

5<sup>th</sup> line (3 characters) is COO

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY8C3246LTI-128

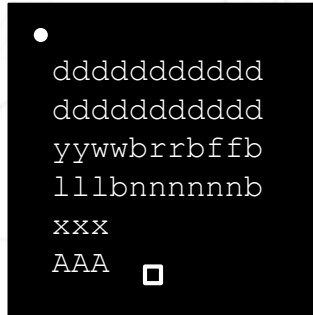
Line 1: CY8C3246LTI  
Line 2: -128  
Line 3: 1125 A 04  
Line 4: CYP 632770  
Line 5: PHI



Packages :

- QFN 68L – 8x8x mm

## Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

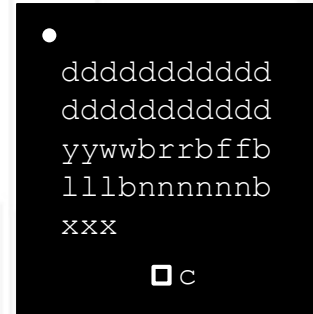
3<sup>rd</sup> line is the date code, backend revision and fab site

4<sup>th</sup> line is 'CYP' and lot code

5<sup>th</sup> line (3 characters) is COO

6<sup>th</sup> line (3 characters) is the strip ID applicable only for CML Autoline Assembled

## Using Copper (Cu) Wire



Lines 1 – 4: 11 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

3<sup>rd</sup> line is the date code, backend revision and fab site

4<sup>th</sup> line is 'CYP' and lot code

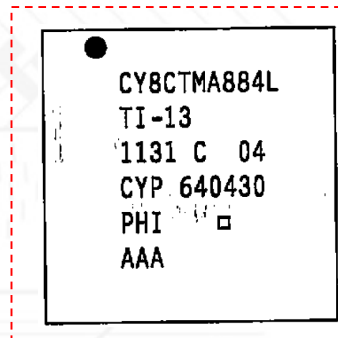
5<sup>th</sup> line (3 characters) is COO

6<sup>th</sup> line (3 characters) is the strip ID applicable only for CML Autoline Assembled

The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY8CTMA884LTI-13

Line 1: CY8CTMA884L  
Line 2: TI-13  
Line 3: 1131 C 04  
Line 4: CYP 640430  
Line 5: PHI  
Line 6: AAA



Packages :

- QFN88 – 8x8 mm



## Using Gold (Au) Wire



• ddd  
ddd  
yww  
nnnn □

1<sup>st</sup> and 2<sup>nd</sup> line (3 characters)  
is the marketing part number

3<sup>rd</sup> line (3 characters) is the  
date code – ‘yww’

4<sup>th</sup> line (4 characters)  
is the last 4 digit if lot code

---

## Example Marking Format: : CY8C20634-12FDXIT

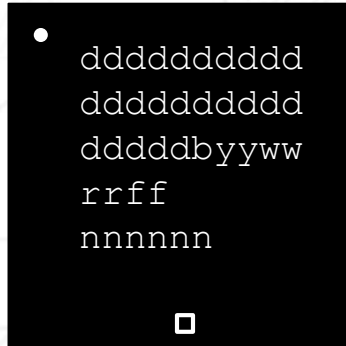
Line 1: CY-  
Line 2: 634  
Line 3: 949  
Line 4: 3041



• CY-  
634  
949  
3041 □

Packages :  
• WLCSP30 – 1.85X2.31 mm

## Using Gold (Au) Wire



1<sup>st</sup> and 2<sup>nd</sup> line (9 characters) is the marketing part number

3<sup>rd</sup> line (9 characters) is the remaining part number and the date code

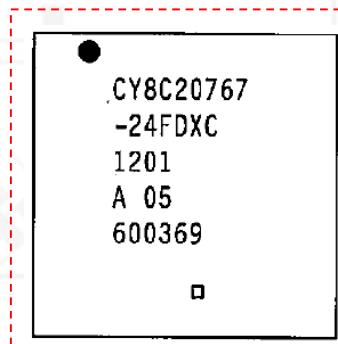
4<sup>th</sup> line (4 characters) is the backend revision fn fab site.

5<sup>th</sup> line (6 characters) is the lot code

---

## Example Marking Format: : CY8C20767-24FDXCT

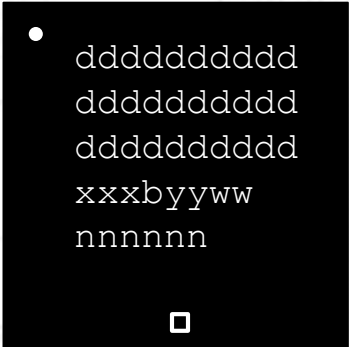
Line 1: CY8C20767  
Line 2: -24FDXC  
Line 3: 1201  
Line 4: A 05  
Line 5: 600369



Packages :

- WLCSP30 – 2.2x2.3 mm

## Using Gold (Au) Wire



Line 1 – 3 (10 characters) is the marketing part number

4<sup>th</sup> line (8 characters) is the COO and datecode

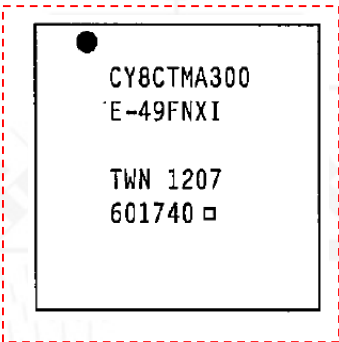
5<sup>th</sup> line (6 characters) is the lot code

-----

## Example Marking Format: : CY8C20767-24FDXCT

**Example:**

Part Number: CY8CTMA300E-49FNXI  
Line 1: CY8CTMA300  
Line 2: E-49FNXI  
Line 3: TWN 1207  
Line 4: 601740



**Note:**

1. First three lines will be mark with Marketing Part numbers only. If Marketing Part number exceeds 10 characters, Mark only the first 10 characters of the marketing part number. Ignore splitting and wrap first 10 characters over the first three lines.

**Packages :**

- WLCSP49 – 3.2.2x3.2 mm

# WLCSP 49L/60L/34L/DFN 14L

## Using Gold (Au) Wire

• dddddd  
ddddd  
ddddd  
xxxbyyww  
rrff  
nnnnn  
□

Line 1 – 3 (10 characters) is the marketing part number

4<sup>th</sup> line (8 characters) is the COO and datecode

5<sup>th</sup> line (4 characters) is the backend revision and fab site

6<sup>th</sup> line (6 characters) is the lot code

---

# No Example Available

Packages :

- WLCSP49/60 – 3.7x3.8 mm
- WLCSP34 – 2.495x2.44 mm
- DFN14 – 2.5x3.5 mm



## Using Gold (Au) Wire



- 1<sup>st</sup> line (4 characters) is the marketing part number
- 2<sup>nd</sup> line (6 characters) is the marketing part number
- 3<sup>rd</sup> line (6 characters) is the date code and the first digit of the lot code
- 4<sup>th</sup> line (4 characters) is the last 4 digit if lot code

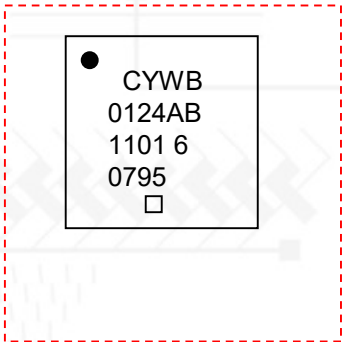
## Using Copper (Cu) Wire



- 1<sup>st</sup> line (4 characters) is the marketing part number
  - 2<sup>nd</sup> line (6 characters) is the marketing part number
  - 3<sup>rd</sup> line (6 characters) is the date code and the first digit of the lot code
  - 4<sup>th</sup> line (4 characters) is the last 4 digit if lot code
- The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CYWB0124ABX-FDXIT

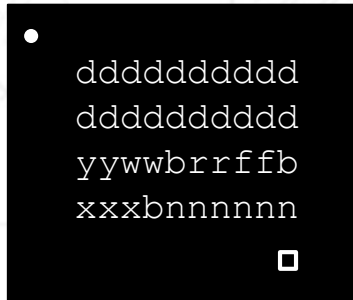
Line 1: CYWB  
Line 2: 0124AB  
Line 3: 1101 6  
Line 4: 0795



### Note:

1. First two lines will be mark with Marketing Part numbers only. If Marketing Part number exceeds 10 characters, Mark only the first 10 characters of the marketing part number. Ignore splitting and wrap first 10 characters over the first two lines.

## Using Gold (Au) Wire



1<sup>st</sup> line (10 characters) is the marketing part number

2<sup>nd</sup> line (10 characters) is the marketing part number

3<sup>rd</sup> line (10 characters) is the date code, backend part and Fab location

4<sup>th</sup> line (10 characters) is the country of origin, and mark lot number

---

# No Example Available

### Packages :

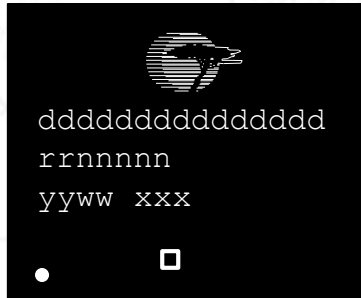
- WLCSP72 (FN,FY) – 4.25x4.98mm
- WLCSP60 (FN,FY) - 4.654x5.814mm
- WLCSP35 (FN,FY) - 3.23x2.10mm
- WLCSP96 (FM) - 4.226X4.924mm

Reference: 37-00001  
Figure 127

# FRAM PARTS



# FBGA 48L



Line 1: Marketing Part Number

Line 2: **rrnnnnn**

where:

**rr** – BE Part rev Code (can be 1 or 2 characters)

**nnnnnn** – Cy assembly lot#

Line 3: **yyww** - Date Code, **xxx** – Country of origin

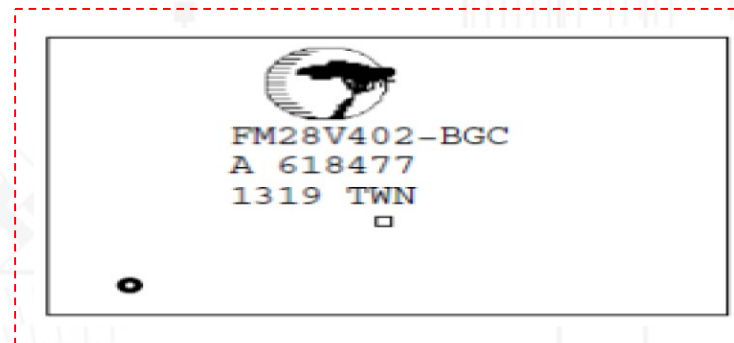
---

Example Marking Format: : FM28V402-BGC

Line 1: FM28V402-BGC

Line 2: A 618477

Line 3: C 1319 TWN



Reference: 37-00001, Figure 50  
PIN135228



# DFN 8L



Line 1: Truncated Marketing Part Number

Line 2: **nnnnnn** - Cy assembly lot#

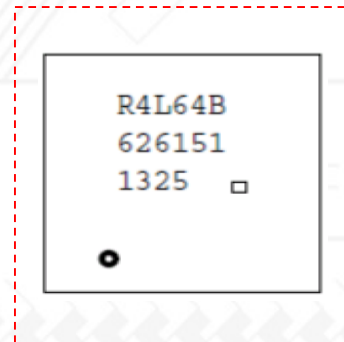
Line 3: **yyww** - Date Code

➤ 3x3mm 8 lead TDFN will NOT have square mark

---

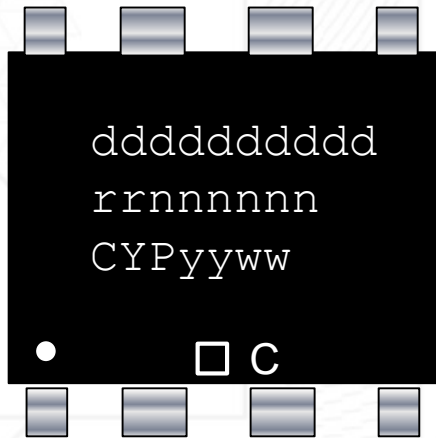
## Example Marking Format: : FM24CL64B-DG

Line 1: R4L64B  
Line 2: 626151  
Line 3: 1325



Package: LH, LF, LY, LU (QFN/DFN Pb-free)

# PDIP 8L



Line 1: Marketing Part Number

Line 2: **rrnnnnnn**

where:

**rr** - BE Part Rev Code (can be 1 or 2 characters)

**nnnnnn** - Cy assembly lot#

Line 3: **CYPyyww**

where:

**CYP** – Cypress

**yyww**- Date Code

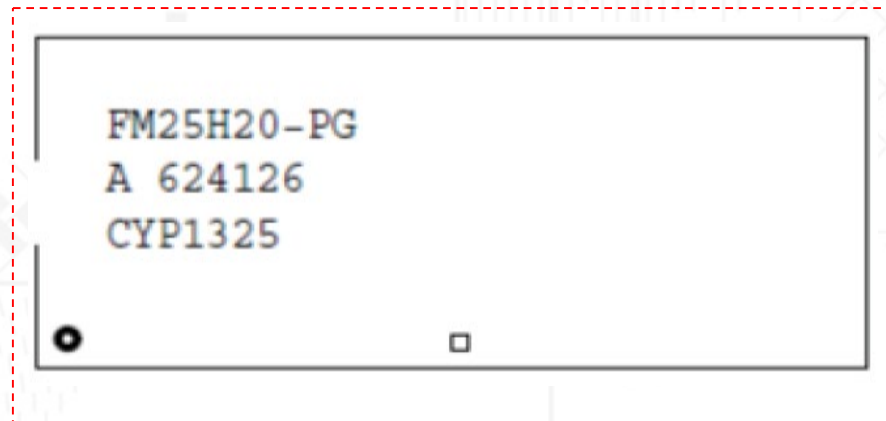
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: FM25H20-PG

Line 1: FM25H20-PG

Line 2: A 624126

Line 3: CYP1325



Package:

- PDIP 8L – 300 mils

# PDIP 28L



Line 1: Marketing Part Number

Line 2: **rrYYWWnnnnnn**

where:

**rr** - BE Part Rev Code (can be 1 or 2 characters)

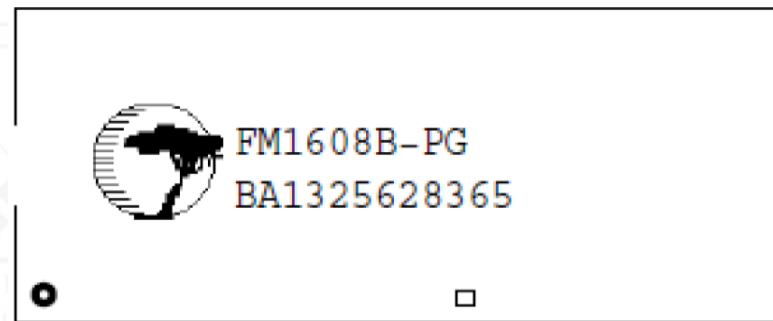
**yyww** - Date Code

**nnnnnn** - Cy assembly lot#

Example Marking Format: FM1608B-PG

Line 1: FM1608B-PG

Line 2: BA1325628365



Package:

- PDIP 28L – 600 mils

# EIAJ 8L



Row1: Marketing Part Number

Row2: rrrrrrrr

where:  
rr-BE Part rev Code (can be 1 or 2 characters)  
nnnnnn - Cy assembly lot#

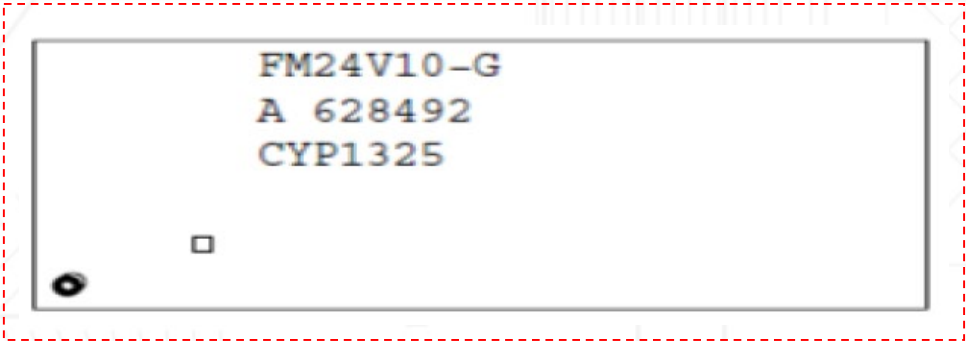
Row3: CYPyyww

where:  
CYP – Cypress  
yyww - Date Code

-----

## Example Marking Format: FM24V10-G

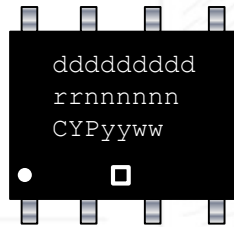
Line 1: FM24V10-G  
Line 2: A 628492  
Line 3: CYP1325



Package:  
• EIAJ 8L – 209 mils



# SOIC 8L



Line 1: Marketing Part Number

Line 2: rrnnnnnn

where:

**rr** - BE Part Rev Code (can be 1 or 2 characters)

**nnnnnn**- Cy assembly lot# n

Line 3: CYPyyww

where:

**CYP** – Cypress

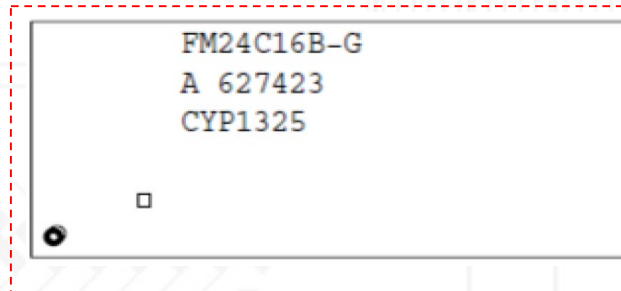
yyww- Date Code

-----  
Example Marking Format: FM24C16B-G

Line 1: FM24C16B-G

Line 2: A 627423

Line 3: CYP1325



# SOIC 14L – SOIC 16L



Line 1: Marketing Part Number

Line 2: rrrnnnnnn

where:

**rr** - BE Part Rev Code (can be 1 or 2 characters)

**nnnnnn** - Cy assembly lot#

Line 3: CYP yyww xxx

where:

**CYP** – Cypress

**yyww** – Date Code

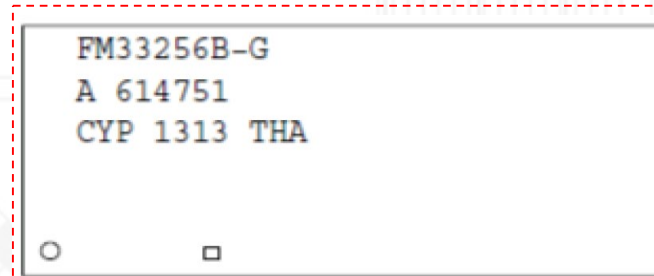
**xxx** – Country of origin

-----  
Example Marking Format: FM33256B-G

Line 1: FM33256B-G

Line 2: A 614751

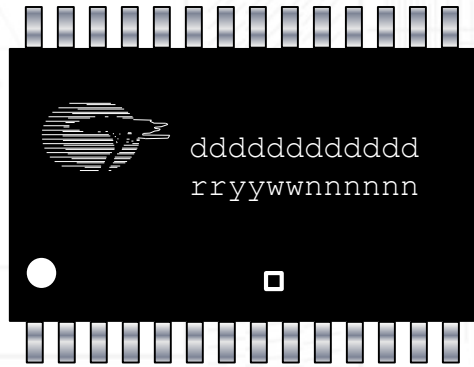
Line 3: CYP 1313 THA



Package:

- SOIC 14 – 150 mils
- SOIC 16 – 150 mils

# SOIC 28L



Line 1: Marketing Part Number

Line 2: **rryywwnnnnnnn**

where:

**rr** - BE Part Rev Code (can be 1 or 2 characters)

**yyww** - Date Code

**nnnnnn** - Cy assembly lot#

-----  
Example Marking Format: : FM1608B-SG

Line 1: FM1608B-SG

Line 2: B 1325628495



Package:

- SOIC 28 – 300 mils

# TSOP 44L



Line 1: Marketing Part Number

Line 2: **rrnnnnnn**

where:

**rr**-BE Part rev Code (can be 1 or 2 characters)

**nnnnnn** - Cy assembly lot

Row3: **yyww xxx**

where:

**yyww** – Date Code

**xxx** – Country of origin

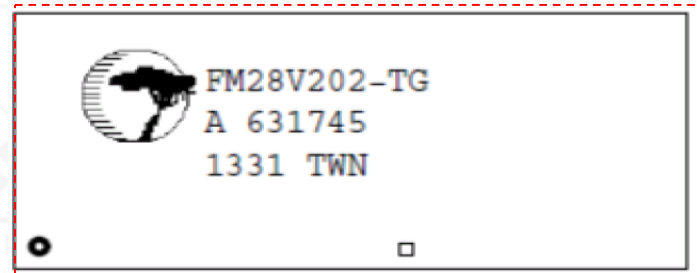
---

Example Marking Format: : FM28V202-TG

Line 1: FM28V202-TG

Line 2: A 631745

Line 3: 1331 TWN



Package:

- TSOP II 44 - 435 mils



# TSOP I



Line 1: Marketing Part Number

Line 2: **rrnnnnnn**

where:

**rr** – BE Part rev Code (can be 1 or 2 characters)

**nnnnnn** – Cy assembly lot#

Line 3: **yyww xxx**

where:

**yyww** – Date Code

**xxx** – Country of origin

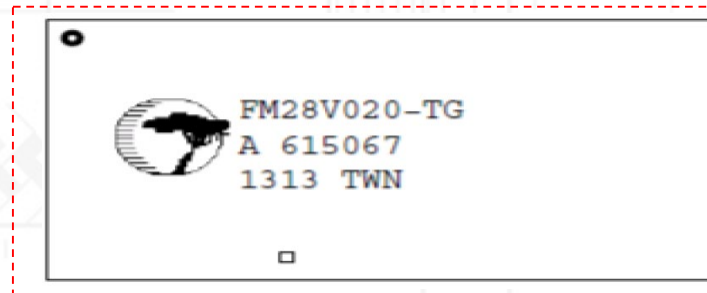
---

Example Marking Format: : FM28V020-TG

Line 1: FM28V020-TG

Line 2: A 615067

Line 3: 1313 TWN

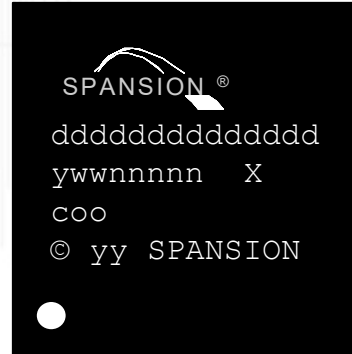


Package:

- TSOP I 28
- TSOP I 32

# FLASH PARTS





Logo - Spansion Logo

1<sup>st</sup> line – Part number (dddddddddddd)

2<sup>nd</sup> line – Date code, die code (ywwnnnn x)

3<sup>rd</sup> line – Country of Origin (coo)

4<sup>th</sup> line – Copyright (© yy SPANSION)

Example OPN:

S34ML01G100BHV000

S34ML04G100BHI000

S34ML01G100BHI000

S25FL256SAGBHIA10

S25FL256SAGBHIA13



**Packages:**

VBM063 / LAD080

V2B063 / FAA064

LAA064 / LAA080

VBK048 / LAE064

FAB024 / FAC024

Note:

1. Date code yww: y= last digit of the year, ww= work week, nnnnn= location code, X= die code



Logo - Spansion Logo

1<sup>st</sup> line – Part number (dddddddddddddd)

2<sup>nd</sup> line – Date code, die code (ywwnnnnn x)

3<sup>rd</sup> line – Copyright (© yy SPANSION)

## Example OPN:

S29GL064N90TFI04	S29GL128S90TFI010
S29GL032N90TFI04	S29GL256S90TFI020
S34ML01G200TFI000	S29GL256S90TFI010
S29GL256P90TFI010	S29GL128S90TFI020
S34ML02G100TFI000	
S34ML01G100TFI000	

Note:



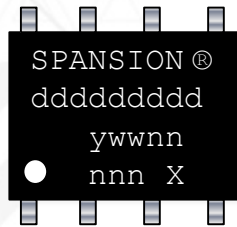
Package:

- TSOP 48
- TSOP 56

1. Date code yww: y= last digit of the year, ww= work week, nnnnn= location code, X= die code



# SOIC 8L

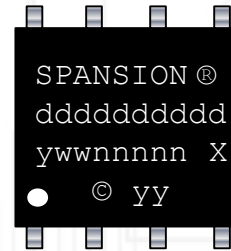


1<sup>st</sup> line – Logo line (SPANSION®)

2<sup>nd</sup> line – Part number (ddddddddd)

3<sup>rd</sup> line – Date code (ywwnn)

4<sup>th</sup> line – Date code, die code (nnn X)



1<sup>st</sup> line – Logo line (SPANSION®)

2<sup>nd</sup> line – Part number (ddddddddd)

3<sup>rd</sup> line - Date code, Die Code (ywwnnnnn x)

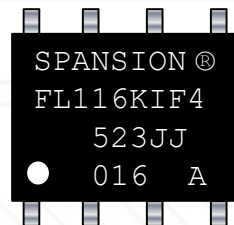
4<sup>th</sup> line - Copyright (© yy)

Example OPN:

S25FL216K0PMFI041

S25FL116K0XMFI040

S25FL132K0XMFI041



SOIC 8 – 150 mils

Example OPN:

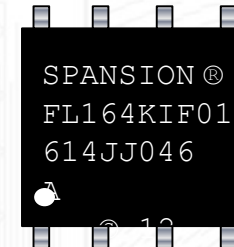
S25FL164K0XMFI011

S25FL008A0LMFI001

S25FL016A0LMFI010

S25FL032P0XMFI010

S25FL127SABMFI103



SOC 8 - 208 mils

Note:

1. Date code yww: y= last digit of the year, ww= work week, nnnnn= location code, X= die code

# SOIC 16L

SO3016 / SL3016



Logo - Spansion Logo

1<sup>st</sup> line – Part number  
(dddddddddddddd)

2<sup>nd</sup> line – Date code, die code  
(ywwnnnn X)

3<sup>rd</sup> line – Copyright  
(© yy SPANSION)

Example OPN:

S25FL256SAGMFIG01  
S25FL512SAGMFI011  
S25FL256SAGMFI000  
S25FL128SAGMFI003  
S25FL128SAGMFMG00  
S25FL064P0XMFI001



Package:

SOIC 16 (SS316) – 300 mils

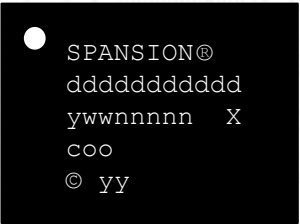
- Note:
1. Date code yww: y= last digit of the year, ww= work week, nnnnn= location code, X= die code

Reference: 37-00001, Figure 4A

# USON/WSO

Package code:

WNA008 / UNE008 / WNF008 / WNG008  
/ WNH008



Logo - SPANSION®

1<sup>st</sup> line – Part number  
(ddddddddd)

2<sup>nd</sup> line – Date code, die code  
(ywwnnnn X)

3<sup>rd</sup> line – Country of Origin  
(coo)

4<sup>th</sup> line – Copyright  
(© yy)

Example OPN:

S25FS256SAGNFI001  
S25FS256SAGNFI003  
S25FS512SAGNFI001  
S25FS512SAGNFI003



Package:  
• WNA008  
• UNE008  
• WF008  
• WNG008  
• WNH008

Note:

1. Date code yww: y= last digit of the year, ww= work week, nnnnn= location code

# PLCC 32L



PL032

Logo - Spansion Logo

1<sup>st</sup> line – Part number  
(ddddddddd)

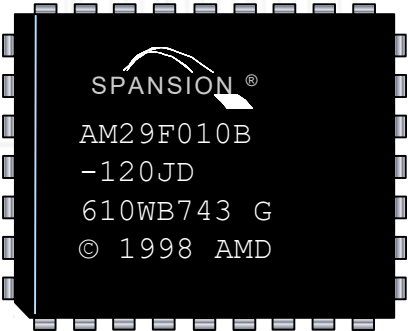
2<sup>nd</sup> line – Part number (extended)  
(-dddd)

3<sup>rd</sup> line – Date code, die code  
(ywwnnnnn X)

4<sup>th</sup> line – Copyright  
(© yyyy ZZZ)

Example OPN:

AM29F010B-120JD  
AM29F040B-120PD



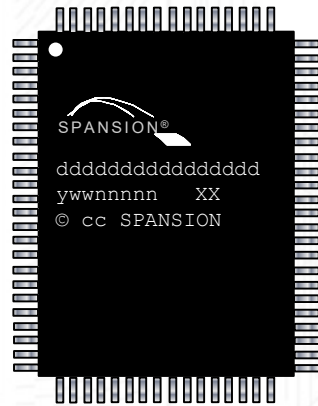
Note:

1. Date code yww: y= last digit of the year, ww= work week, nnnn= location code, X= die code



# PQFP 80L

PQR080



Logo - Spansion Logo

1<sup>st</sup> line – Part number  
(dddddddddddddd)

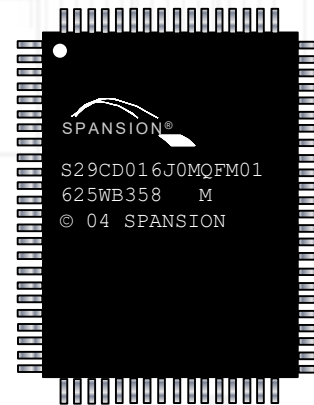
2<sup>nd</sup> line – Date code, die code  
(ywwnnnn X)

3<sup>rd</sup> line – Copyright  
(© cc SPANSION)

Example OPN:

S29CD016J0MQFM01

S29CD032J0MQFI000



Note:

1. Date code yww: y= last digit of the year, ww= work week, nnnn= location code, X= die code

# IoT PARTS



# FBGA/LGA/FCBGA/QFN

P1Bddddddddd  
ddddddddd  
YwwBRRBFF  
111BNNNNNN  
xxxbsqbc

- Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 8 letter)
- Line 2: Marketing Part Number remaining
- Line 3: Date code, Backend Part Rev, Fab location
- Line 4: CYP, assembly lot number
- Line 5: COO, Pb Free Square, C for Cu wire

No: “C” Marking is required for FCBGA/RFCBGA.

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Datecode, WW Work Week
  - RR: Backend Part Number
  - FF: Fab location
  - LLL: CYP

Example Marking Format: CYW20734UA1KFFB3G.

● CYW20734  
UA1KFFB3G  
1633 AB 04  
CYP 645842  
TWN □ C

- Packages: (mm)
- FBGA64 – 7X7
  - FBGA81 – 8X8
  - FBGA – 9X9, 11X11, 6,5X6,5
  - LGA – 6.5X6.5
  - FCBGA - 7X9, 8.5X8.5, 10X10, 7X6, 6.5X6.5, 9X9
  - QFN56, QFN60 – 7X7
  - QFN68 – 8X8
  - QFN52 – 8X7
  - QFN76 – 9X9
  - QFN88 – 10X10

# QFN 40L/FCBGA

P1Bddddddddd  
ddddddddd  
YwwBRRBFF  
111BNNNNNN  
xxxbsqbc

Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 7 letter)  
Line 2: Marketing Part Number remaining  
Line 3: Date code, Backend Part Rev, Fab location  
Line 4: CYP, assembly lot number  
Line 5: COO, Pb Free Square, C for Cu wire

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location
- LLL: CYP

No: "C" Marking is required for FCBGA/RFCFBGA.

Example Marking Format: CYW20736A1KWBG

● CYW2073  
6A1KWBG  
1633 AB 04  
CYP 645842  
TWN □ C

Package: (mm)

- QFN40 – 6X6
- FCBGA – 6X6



# FBGA/FCBGA

P1Bddddddddd  
ddddddddd  
YwwBRRB  
FFBNNNNNN  
xxxbsqbc

- Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 6 letter)
- Line 2: Marketing Part Number remaining
- Line 3: Date code, Backend Part Rev
- Line 4: Fab location, assembly lot number
- Line 5: COO, Pb Free Square, C for Cu wire

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Datecode, WW Work Week
  - RR: Backend Part Number
  - FF: Fab location

No: “C” Marking is required for FCFBGA/RFCFBGA.

Example Marking Format: CYW20733A2KML1G

● CYW207  
33A2KML1G  
1633 AB  
04 645842  
TWN □ C

- Package: (mm)
- FBGA66 – 5.5X4.5
  - FBGA72 – 5.5X5
  - FCBGA – 5.5x5.5

# FBGA/QFN

P1Bddddddddd  
ddddddddd  
DDBYww  
NNNNNN  
xxxbsqbc

- Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 5 letter)
- Line 2: Marketing Part Number remaining 8 letters
- Line 3: Marketing Part Number remaining, date code
- Line 4: Assembly lot number
- Line 5: COO, Pb Free Square, C for Cu wire

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Date code, WW Work Week
  - RR: Backend Part Number
  - FF: Fab location

Example Marking Format: CYW2046SB1KUFBG

● CYW20  
46SB1KUF  
BG 1633  
645842  
TWN □ C

- Packages: (mm)
- FBGA65 – 5x5
  - QFN32– 5X5

# FBGA 62/50

P1Bddddddddd  
ddddddddd  
DD  
YwwbNNNNNN  
xxxbsqbc

- Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 4 letter)
- Line 2: Marketing Part Number remaining 7 letters
- Line 3: Marketing Part Number remaining
- Line 4: Date code Assembly lot number
- Line 5: COO, Pb Free Square, C for Cu wire

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Datecode, WW Work Week
  - RR: Backend Part Number
  - FF: Fab location

Example Marking Format: CYW20713A1KUFBXG

● CYW2  
713A1KU  
FBXG  
633 842  
TWN □ C

- Packages: (mm)
- FBGA (BU62) 4.5X4.5
  - FBGA (BU50B, BZ50A) 4.5 X 4.)

# FCBGA 49

P1Bddddddddd  
ddddddddd  
DD  
YwwbNNNNNN

Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 4 letter)  
Line 2: Marketing Part Number remaining 7 letters  
Line 3: Marketing Part Number remaining  
Line 4: Date code Assembly lot number

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Datecode, WW Work Week
  - RR: Backend Part Number
  - FF: Fab location

Example Marking Format: CYW20704UA1KFFB1G

● CYW2  
0704UA1  
KFFB1G  
633 842

Packages: (mm)  
• FCBGA49 – 4.5X4



P1Bddddddddd  
 dddddddddd  
 DD  
 NNNNNN

Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 3 letters)  
 Line 2: Marketing Part Number remaining 5 letters  
 Line 3: Marketing Part Number remaining  
 Line 4: Assembly lot number

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location

Example Marking Format: CYW20732Y

● CYW  
 20732  
 Y 633  
 842

Packages: (mm)  
 • LGA27: 3.2X3.5

# FBGA/FCBGA

P1 CYPRESS LOGO  
dddddddddddddd  
dddddddddddddd  
YYWW RRFF  
NNNNNN  
xxxbsqbc

Line 1: Pin1dot , Cypress Logo  
Line 2: Marketing Part Number  
Line 3: Marketing Part Number remaining  
Line 4: Date code, Backend Part Rev, Fab location  
Line 5: assembly lot number  
Line 5: COO, Pb Free Square, C for Cu wire

- Note:
- P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Datecode, WW Work Week
  - RR: Backend Part Number
  - FF: Fab location

No: “C” Marking is required for FCFBGA/RFCFBGA.

Example Marking Format: CYW89342CRFB4G



- Package: (mm)
- FBGA (BK)AF) – 12X12
  - FCBGA (FR0BB) – 13X13
  - FCBGA (FR0CG) – 10X10

# WLCSP/WLBGA

P1Bddddddddd  
dddddd  
YwwBRRBFF  
NNNNNN  
xxxbbbsqbc

Line 1: Pin1dot Marketing Part Number (1at 8 letters)  
Line 2: Marketing Part Number  
Line 3: Date code, Backend Part Rev, Fab location  
Line 4: CYP assembly lot number  
Line 5: COO, Pb Free Square  
Line 6: CC-RR for die location

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location
- LLL: CYP

Example Marking Format: CYW43241XFKWBG

● CYW43241  
XFKWBG  
1633 AB 04  
CYP 645842  
TWN □  
CC-RR

Packages: (mm)

- WLCSP (FN63), (FN74A), (FL0AB) – 2.87X4.87
- WLCSP (FL0AA) – 3.31X3.22
- WLCSP (FN0AR), (FL0BA) – 3.76X4.43
- WLCSP (FN0AA), (FN0BA) – 4.08X4.48
- WLCSP (FN0AF), (FN0AD) – 4.47X5.67 , 4.47X5.27
- WLCSP (FN0AN) – 4.51X5.43
- WLCSP (FN0AK), (FN0ACC) – 4.87X7.67
- WLCSP (FN0AG), (FN0BC) – 4.87X5.41
- WLCSP (FN0AB), (FN0BB) – 4.89X5.33
- WLCSP (FN0AC) – 4.9X5.84
- WLCSP (FN0AH) – (4.91X5.85)
- WLCSP (FN0AL), (FN0CD) – 4.97X7.5, 4.97X7.7
- WLBGA (FN0AS) - 5.2X7.7
- WLCSP (FN0BD) – 5.88X4.4
- WLCSP (FL0FA) - 6.225X6.13

P1Bddddddddd  
dddddd  
YwwBRRB  
FFBNNNNNN  
xxxbsq

Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 7 letters)  
Line 2: Marketing Part Number  
Line 3: Date code, Backend Part Rev  
Line 4: Fab location assembly lot number  
Line 5: COO, Pb Free Square  
Line 6: CC-RR for die location ID

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location
- LLL: CYP

---

Example Marking Format: CYW20736A1KWBG

● CYW2073  
6A1KWBG  
1633 AB  
04 645842  
TWN □  
CCC-RRR

Packages: (mm)

- WLCSP(FN0AM) – 2.51X2.77
- WLCSP(FN36B) -: 2.51X2.77



P1Bddddddddd  
dddd  
Ywwbcxx  
NNNNNN  
Cc-RRR

Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 5 letters)  
Line 2: Marketing Part Number  
Line 3: Date code, COO  
Line 4: Assembly lot number  
Line 5: CC-RRR for die ID location

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location
- LLL: CYP

---

Example Marking Format: CYW20736A1KWBG

● CYW207  
36A1KWBG  
1633 TWN  
645842  
CCC-RRR

Packages: (mm)

- WLCSP(FN80A) – 2.16X2.18

P1Bddddddddd  
dddd  
YwwBRRBFFF  
LLLBNNNNNN  
xxxbbbsq  
CC-RRR

Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 8 letters)

Line 2: Marketing Part Number

Line 3: Date code, BE Part, Fab Location

Line 4: CYP, Assembly lot number

Line 5: COO Pb-free square

Line 6: CC-RR for die ID location

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location
- LLL: CYP

Example Marking Format: CYW43241XFKWBG

● CYW43241  
XFKWBG  
1633 AB 04  
CYP 645842  
TWN  
CC-RR

Packages: (mm)

- WLCSP(FN0CB) – 6.51X5.81
- WLCSP(FN0AJ) – 6.57X5.62
- WLCSP(FN0AC) – 5.73X4.52

```
P1Bddddddddd
dddd
Ywwbrr
fffbNNNNNN
xxxbsq
Cc-RRR
```

Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 5 letters)  
 Line 2: Marketing Part Number  
 Line 3: Date code, BE Part Revision  
 Line 4: Fab Location Assembly lot number  
 Line 5: COO Pb-Square  
 Line 5: CC-RRR for die ID location

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location
- LLL: CYP

Example Marking Format: CYW20736A1KWBG

```
● CYW207
36A1KWBG
1633 AB
04 645842
TWN □
CCC-RRR
```

Packages: (mm)

- WLCSP(FN69A) – 4.53X2.93

```
P1
Dddddddddddd
ddd
Ywwbrrfff
CYPbNNNNNN
xxxbsqbC
```

Line 1: Pin1dot  
 Line 2: Marketing Part Number (1<sup>st</sup> 8 letters)  
 Line 3: Marketing Part Number  
 Line 4: Date code, BE Part Revision, Fab location  
 Line 5: CYP Assembly lot number  
 Line 6: COO Pb-Square C for Cu wire

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location
- LLL: CYP

Example Marking Format: CYW20719B0KUMLGES

```
●
CYW20719
B0KUMLGES
1633 AB04
CYW645842
TWN □ C
```

Packages: (mm)

- QFN (LQ40D) – 5X5



P1Bddddddddd  
dddd  
Ywwbrrfff  
flllbNNNNNN  
xxxbsq  
Cc-RRR

Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 8 letters)  
Line 2: Marketing Part Number  
Line 3: Date code, BE Part Revision, Fab Location  
Line 4: CYP Assembly lot number  
Line 5: COO Pb-Square  
Line 5: CC-RRR for die ID location

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location
- LLL: CYP

Example Marking Format: CYW89071A1CUBXG

● CYW89071  
A1CUBXG  
1633 AB 04  
CYP 645842  
TWN □  
CCC-RRR

Packages: (mm)

- WLCSP(FN42C) – 3.01X2.5

# TRAVEO PARTS



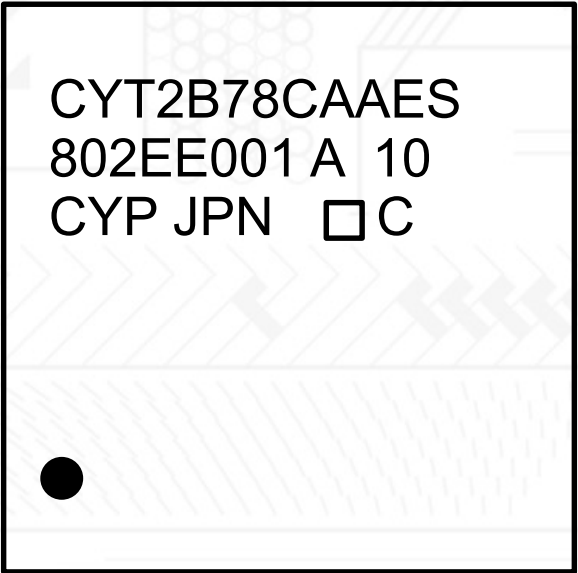
# FBGA/LQFP/TEQFP

dddddddddd  
d  
Ywweennbrrb  
ff  
111Bxxxbsqb  
C

Line 1: Marketing Part Number (12 letters)  
Line 2: Mark Code Be Part rev Fab location  
Line 3: CYP COO PbFree square for Cu wire.

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Datecode, WW Work Week
  - RR: Backend Part Number
  - FF: Fab location
  - LLL: CYP

Example Marking Format: CYT2B78CAAES



- Packages: (mm)
- FBGA (LBL320) – 17X17
  - FBGA (LBM272) – 16X16
  - LQFP (LQD64) – 10X10
  - LQFP(LQH80) – 12X12
  - LQFP(LQI100) – 14X14
  - LQFP(LQS144) – 20X20
  - LQFP176(LQP176) – 24X24
  - TEQFP(LEE176) – 24X24

# FBGA/LQFP/TEQFP

ddddddddddddd  
ddddddddd  
Ywweennnbrrb  
ff  
111Bxxxbsqb  
C

Line 1: Marketing Part Number (12 letters)  
Line 2: Marketing Part Number  
Line 3: Mark Code Be Part rev Fab location  
Line 4: CYP COO PbFree square for Cu wire.

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Datecode, WW Work Week
  - RR: Backend Part Number
  - FF: Fab location
  - LLL: CYP

Example Marking Format: CYT2B78CAAQ0AZEGRS

CYT2B78CAAQ0  
AZEGRS  
802EE001 A 10  
CYP JPN □ C



- Packages: (mm)
- FBGA (LBL320) – 17X17
  - FBGA (LBM272) – 16X16
  - LQFP (LQD64) – 10X10
  - LQFP(LQH80) – 12X12
  - LQFP(LQI100) – 14X14
  - LQFP(LQS144) – 20X20
  - LQFP176(LQP176) – 24X24
  - TEQFP(LEE176) – 24X24



# FOR CYPRESS Bangkok (BKK)



For Cypress Bangkok (BKK), added UNIT LEVEL TRACEABILITY ID on the 4th line. Except when COO is included in top mark, 6x8mm on line 6, 10x10mm on line 5 and 15x13mm or 17x15mm on line 4

6x4mm



6x5mm



8.15x6.15  
mm



8x8mm



6x8mm



7.5x5mm



8x9.2mm



9x9mm



7.7x6.2mm



8x6.5mm



10x10mm



11.6x8mm



For Cypress Bangkok (BKK), added UNIT LEVEL TRACEABILITY ID on the 4th line. Except when COO is included in top mark, 6x8mm on line 6, 10x10mm on line 5 and 15x13mm or 17x15mm on line 4

11x9mm



13x11mm



15x13mm



17x15mm



# HISTORY PAGE

	Owner	Description of Change
Rev. 7	JARG	<ol style="list-style-type: none"> <li>1. Updated Slide 38 title from BGA 36 – BGA48 to BGA36, BGA38, BGA60 AND BGA121</li> <li>2. Added Example 2 for BGA121 package</li> </ol>
Rev. 8	HLR	<ol style="list-style-type: none"> <li>1. Changed RAMTRON name to FRAM.</li> <li>2. Added the marking format for uFBGA 48.</li> </ol>
Rev. 9	HLR	Corrected the position of leads for FRAM- TSOP1 28L and TSOP1 32L
Rev. 10	HLR	<p>Added the marking format for 60 balls WLCSP and 35 balls WLCSP based on Fig. 127.</p> <p>Added 34 balls WLCSP and 14L DFN based on Fig. 122.</p>
Rev. 11	MRB	<p>Align the marking format for SOJ28-44 (page 11) based from Figure 9 on Final Mark Specification (37-00001)</p> <p>Deleted and replaced the example marking format for TSOP 28 - TSOP 48 (page 20) from 4 liners to 3 liners based from Figure 27 on Final Mark Format Specification (37-00001)</p>
Rev. 12	MRB	Rewrite and pattern the marking explanation of TSOP 28 to TSOP 48 (page 20) from TSOP 32 (page 21)
Rev. 13	MRB	<ol style="list-style-type: none"> <li>1. Updated Cypress Logo</li> <li>2. Added available package width size based on spec 37-00001</li> <li>3. Deleted Figure 50 on page 67 and Figure 52 on page 63 to align in spec 37-00001</li> <li>4. Updated character lines from 4 to 3 line on page 22 based on the example marking format</li> </ol>
Rev. 14	MRB	<ol style="list-style-type: none"> <li>1. Added Legacy Spansion Marking Format</li> <li>2. Added package size on page 4 and corrected the reference from Figure 45 to Figure 33</li> <li>3. Added package size on page 66 and corrected the reference from Figure 45A to Figure 34A</li> </ol>



# HISTORY PAGE

	Owner	Description of Change
Rev. 15	HLR	Changed the Unit Orientation Format for TSSOP 8.
Rev. 16	MRB	Added IOT Marking format Removed sample word and rewrite/align all ftext Changed to new template
Rev 17	MRB	Corrected the example marking format for LGA 27 (page 88)
Rev 18	MRB	<p>Added Square Mark on Page 1</p> <p>Deleted the following inactive packages for Cypress Legacy part.</p> <ul style="list-style-type: none"> <li>• SOIC16/SOJ 18, SOIC44, SOJ20/SOJ24, SSOP34, TSSOP14, TSSOP38, TSSOP32, TQFP160 to TQFP388, PQFP32 to PQFP 144, CQFP52 to CQFP 144, CQFP 160 to CQFP 388, PDIP 16 to PDIP64, Cerdip8, Cerdip 16 to Cerdip 64, BGA292/388/484, VFBGA70, UFBGA70, PLCC24 to PLCC32, PLCC44 to PLCC84.</li> </ul> <p>Corrected QFN68 from QFN48/56 on page 42</p> <p>Change from SSOP34 – SSOP 56 to SSOP48/SSOP 56 on page 13</p> <p>Added Cypress BKK for 165BGA 15x13mm and 17x15mm on page 34</p> <p>Added marking information for Cypress BKK on level traceability ID on page 91 and 92</p> <p>Added WLCSP72L/96L package code on page 50</p> <p>Added 48-124/FBGA on page 29</p> <p>Change VFBGA56L/VFBGA 84 to VFBGA 36L – VFBGA100L</p> <p><b>FRAM Part:</b></p> <p>Added package code for DFN 8L on page 53</p> <p>Added package SOIC 16 on page 58</p>

# HISTORY PAGE

	Owner	Description of Change
Rev 18	MRB	<p>IOT Part</p> <p>Added FCBGA - 6.5x6.5, 9X9 mm and FBGA - 6.5x6.5 mm on page 71</p> <p>Added No: "C" Marking is required for FCFBGA/RFCFBGA.and FCBGA – 6X6 mm on page 72</p> <p>Added No: "C" Marking is required for FCFBGA/RFCFBGA and added FCBGA – 5.5x5.5</p> <p>Removed QFN 40</p> <p>Corrected FBGA 65 to 62/50 and added FBGA (BU62) 4.5X4.5 and FBGA (BU50B, BZ50A) 4.5 X 4.5</p> <p>Corrected example marking format and Added No: "C" Marking is required for FCFBGA/RFCFBGA on page 78</p> <p>Added package code FBGA/FCBGA, FBGA (BK)AF) – 12X12, FCBGA (FR0BB) – 13X13 and FCBGA (FR0CG) – 10X10</p> <p>Rewrite package code on page 79</p> <p>Added WLBGA package on page 80</p> <p>Added FN80A package code on page 82</p> <p>Added FN0AM package code on page 81</p>
Rev 19	MRB	<p>Added 6 digits under the note 2 section for Non MIA part on page 20 and 21</p> <p>Added Example marking format for Non MIA part on page 20 and 21</p>
Rev 20	MRB	<p>Update note on page 9, 17, 23,24 For Non-MIA devices, mark first and last four digits of the assembly lot number (nnnnnn) beside the pin 1 indicator and added sample marking format for non mia part.</p> <p>Update note on page 20 , 21 from (nnnn) to (nnnn / nnnnnn)</p>
Rev 21	MRB	<p>Corrected 3<sup>rd</sup> line item from first digit of the lot code to Country of Origin on page 40</p> <p>Change the example Marketing Part Number and added sample marking format for subcon site. on page 40</p>
Rev 22	MRB/SCY G	<p>Page 17 – Change from "four" to "five" digits of the assembly lot number (nnnnnn) to correlate the notes statement.</p> <p>Page 19 – Added item 4 in the notes, changed the example marking format, added lot details and added actual marking sample in specific package.</p>

# End of Memo

