



**THE DATASHEET OF  
CY8CTMA884LTI-13T**





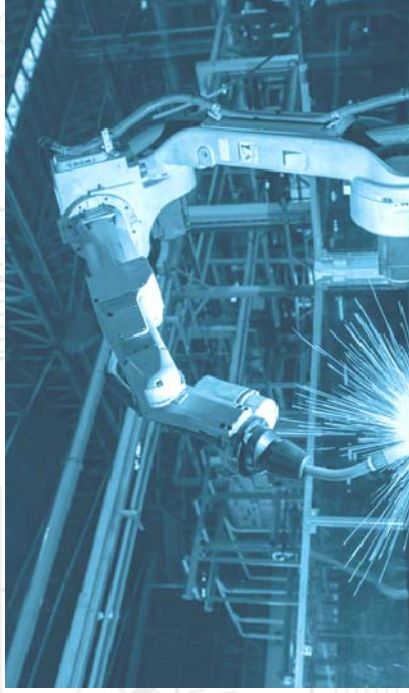
# CYPRESS MARKING FORMAT

July 2017

■ **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.. JB



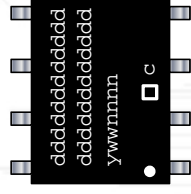
# LEGEND:

Character	Meaning	Remarks
b	Blank Space	
d	Marketing Part Number	
lll	CYP	ll = CY llllllll = CYPRES
ff	Fab Location	
rr	Backend Part Revision	
yyww	Date Code	yy = last two digit of the year ww = Workweek
nnnnnn	Mark Lot Number	nnnnnn = First and last five digit of 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	

# SOIC 8L

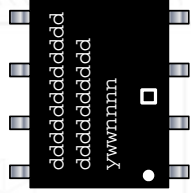
- 1<sup>st</sup> line (12 characters) marketing part number
- 2<sup>nd</sup> line (10 characters) rest of the marketing number
- 3<sup>rd</sup> line (7 characters) date code and lot
- The 'C' beside (Pb-Free mark) use of copper wire

## Using Copper (Cu) Wire



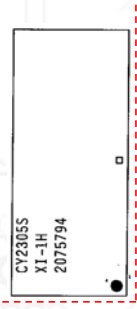
- 1<sup>st</sup> line (12 characters) is the marketing part number
- 2<sup>nd</sup> line (10 characters) is the rest of the marketing part number
- 3<sup>rd</sup> line (7 characters) is the date code and lot code.

## Using Gold (Au) Wire



## Example Marking Format: CY2305SXI-1H

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

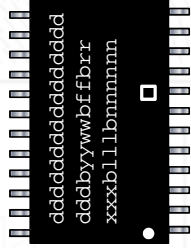


### Note:

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 ywwnnnn 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.

# SOIC 14L/SOIC 16L

## Using Gold (Au) Wire

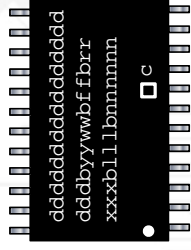


1<sup>st</sup> line (16 characters) is the marketing part number

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.

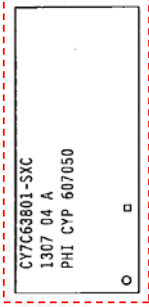
The 'C' beside (Pb-Free mark) indicates use of copper wire

## Example Marking Format: : CY7C63801-SXC.

Line 1: CY7C63801-SXC

Line 2: 1307 04 A

Line 3: PHI CYP 607050

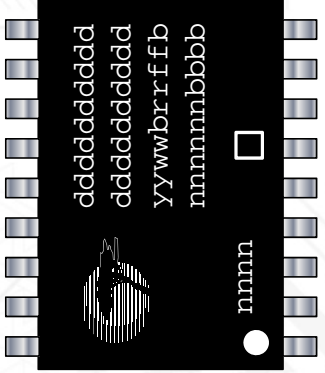


### Note:

1. If Mkt. PN on line 2 contains ≤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 rfff format instead of rfff
3. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside the pin 1 indicator.

# SOIC 16L/SOIC 18L

## Using Gold (Au) Wire



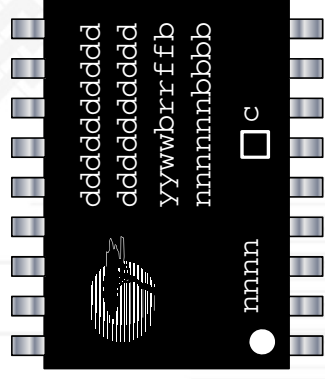
Lines 1 – 4: 10 characters per line  
Line 5: 4 characters

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains s5 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 rfff 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 s5 char, move yyww to the second line after the Mkt. PN separated with a blank then wrap the rfff to the left.

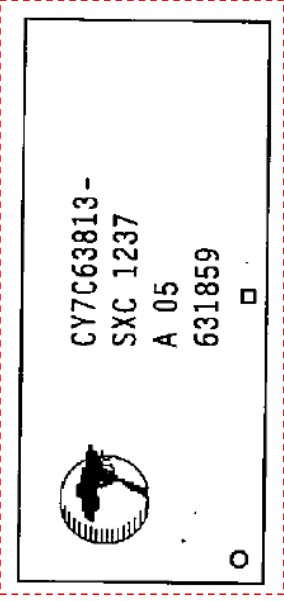
3<sup>rd</sup> line is the date code, backend revision and fab site. If BE Part Rev has only one character, use rfff format instead of rfff

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

The 'C' beside the square symbol denotes the marking format.

## Example Marking Format: : CY7C63801-SXC.

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

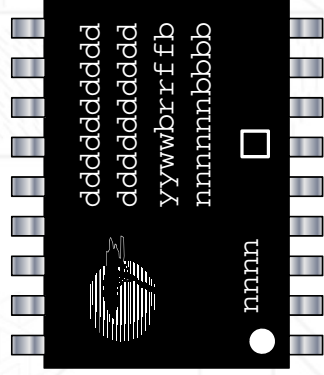


### Note:

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

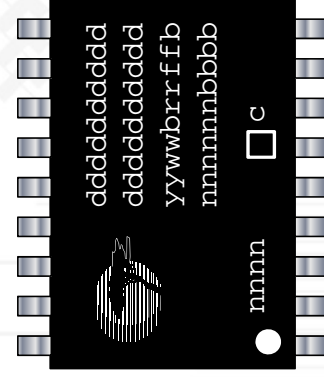
# SOIC 20L/SOIC 24L

## 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



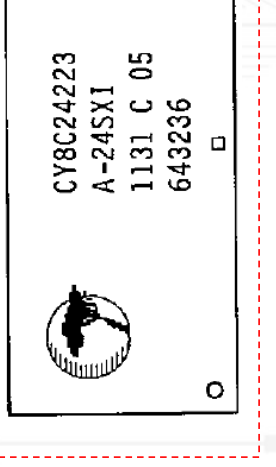
Lines 1 – 4: 10 characters per line  
Line 5: 4 characters  
1st and 2nd line is the marketing part number.  
3rd line is the date code, backend revision and fab site  
4th line is the lot code  
The 'C' basic marking is required for Pb-Free marking use of copper wire

## Example Marking Format: : CY8C24223A-24SXI

Line 1: CY8C24223  
Line 2: A-24SXI  
Line 3: 1131 C 05  
Line 4: 643236

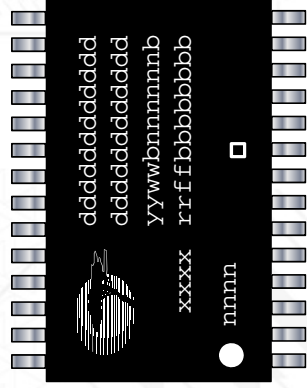
### Note:

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 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 is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

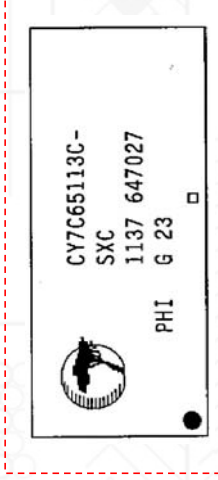
3<sup>rd</sup> line is the date code and lot code

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.

## Example Marking Format : CY7C65113C-SXC

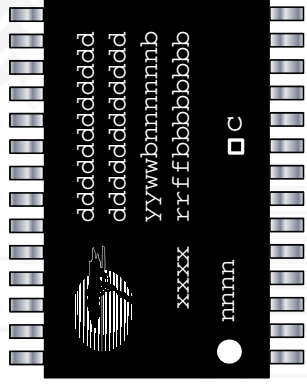
Line 1: CY7C65113C-  
Line 2: SXC  
Line 3: 1137 647027  
Line 4: PHI G 23



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.

## 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

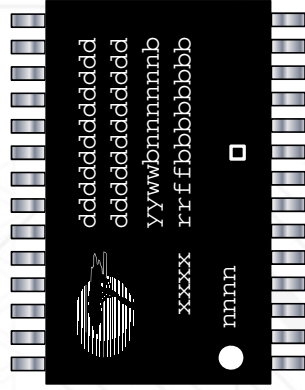
4<sup>th</sup> line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

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

The 'C' beside the pin 1 indicator denotes the use of copper wire.

# SOIC 28L/SOIC 44L (SNC – GULL WING)

## Using Gold (Au) Wire



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

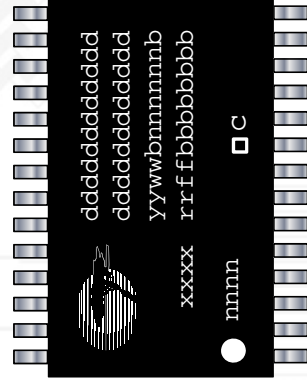
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

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

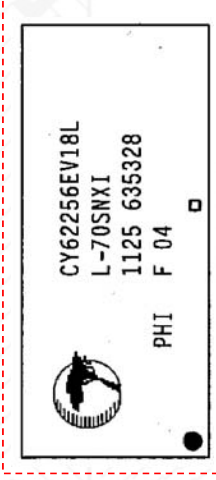
4<sup>th</sup> line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

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

The 'C' beside the 'C' denotes the marking.

## Example Marking Format : CY62256EV18LL-70SNXI

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

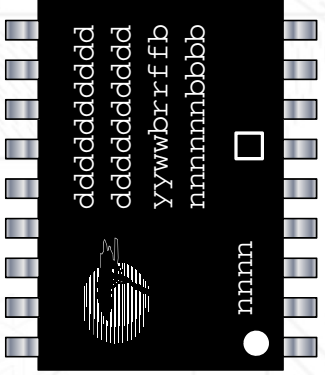


### Note:

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.

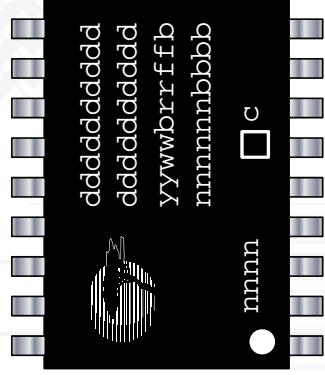
# SOJ 16L/SOJ 18L

## 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.  
3<sup>rd</sup> line is the date code, backend revision and fab site  
4<sup>th</sup> line is the lot code

## Using Copper (Cu) Wire



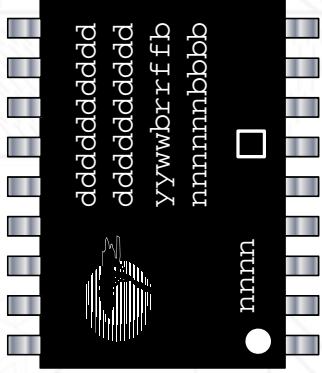
Lines 1 – 4: 10 characters per line  
Line 5: 4 characters  
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number.  
3<sup>rd</sup> line is the date code, backend revision and fab site  
4<sup>th</sup> line is the lot code

The 'C' basic (Pb-Free material) use of copper wire

# No Example Available

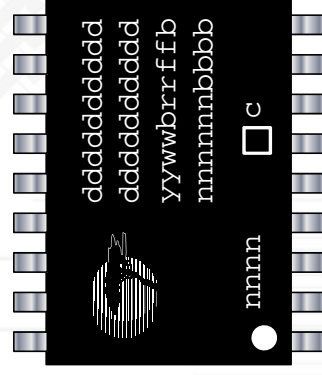
# SOJ 20L/SOJ 24L

## 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.  
 3<sup>rd</sup> line is the date code, backend revision and fab site  
 4<sup>th</sup> line is the lot code

## Using Copper (Cu) Wire



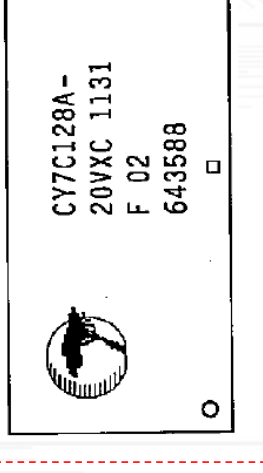
Lines 1 – 4: line  
 Line 5: 4 characters  
 1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number.  
 3<sup>rd</sup> line is the date code, backend revision and fab site  
 4<sup>th</sup> line is the lot code  
 The 'C' basic marking (Pb-Free marking) is the use of copper wire

## Example Marking Format : CY7C128A-20VXC

Line 1: CY7C128A-  
 Line 2: 20VXC 1131  
 Line 3: F 02  
 Line 4: 643588

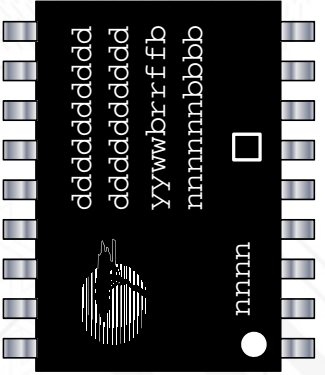
### Note:

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.



# SOJ 28L - SOJ 44L

## Using Gold (Au) Wire

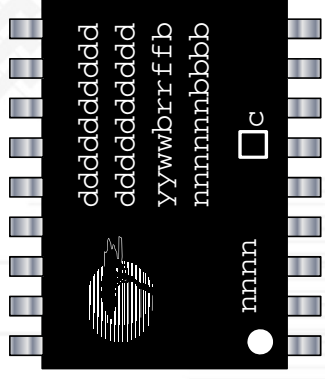


Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

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

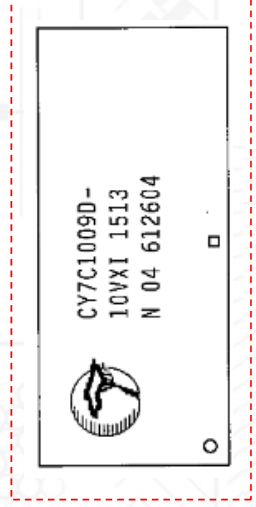
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN and date code.

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

The 'C' beside the 'c' in the square indicates the wire.

## Example Marking Format: : CY7C1009D-10VXI

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

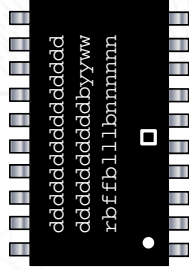


### Note:

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

# SSOP 20L/SSOP 28L

## Using Gold (Au) Wire



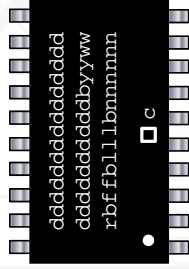
Lines 1 – 3: 15 characters per line

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, 'CYP' and lot code

## Using Copper (Cu) Wire



Lines 1 – 3: 15 characters per line

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

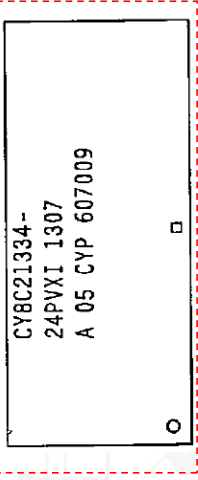
2<sup>nd</sup> line is the remaining marketing part number and datecode

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

The 'C' beside the Free mark) denotes copper wire.

## Example Marking Format : CY8C21334-24PVXI

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

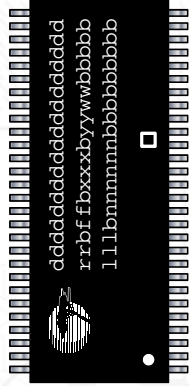


Packages :

- SOJ20 - 209
- SOJ28 - 209

# SSOP 48L/SSOP 56L

## Using Gold (Au) Wire



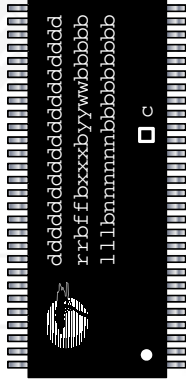
Lines 1 – 3: 19 characters per line

1<sup>st</sup> line 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: line

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

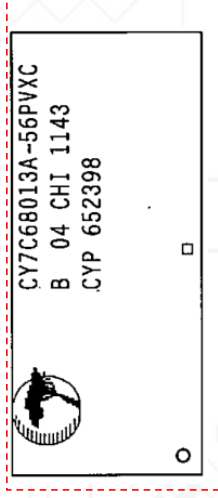
2<sup>nd</sup> line backend revision fab site, COO and date code

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

The 'C' backend revision (Pb-Free marking) and use of copper wire

## Example Marking Format: : CY7C68013A-56PVXC

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



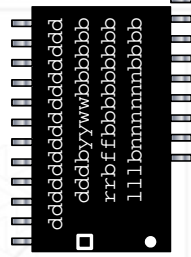
# QSOP 20L/QSOP 28L

1<sup>st</sup> and 2<sup>nd</sup> line marketing part number characters, the characters, they will be mark on the datecode.

3<sup>rd</sup> line (14 characters) revision and fab

4<sup>th</sup> line is the 'C' The 'C' beside Free mark) den wire.

## Using Gold (Au) Wire

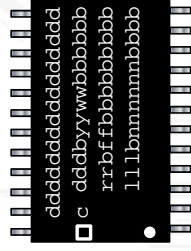


1<sup>st</sup> and 2<sup>nd</sup> line (16 characters) is the marketing part number. If total Mkt Part number characters exceed 16 characters, then first 16 characters will be mark on the unit (first and 2nd line will be used). This will be followed by the datecode.

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

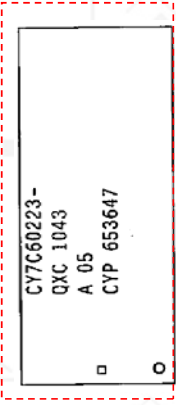
4<sup>th</sup> line is the 'CYP' and lot code.

## Using Copper (Cu) Wire



## Example Marking Format: : CY7C60223-QXC

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

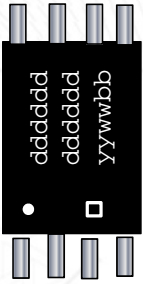


### NOTES:

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

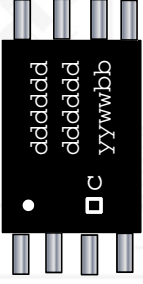
# TSSOP 8L

## 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

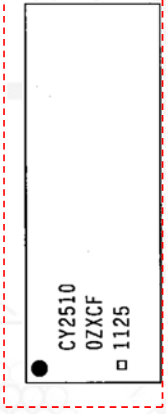
## Using Copper (Cu) Wire



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 'C' (Pb-Free mark) indicates the use of copper wire

## Example Marking Format: : CY25100ZXCFC

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



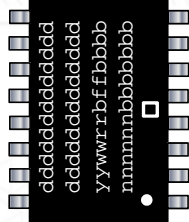
Note:

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

# TSSOP 16L/TSSOP 14L

Lines 1 – 4: 13

## Using Gold (Au) Wire



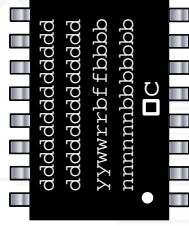
Lines 1 – 4: 13 characters per line

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



1<sup>st</sup> and 2<sup>nd</sup> line

number. If total

characters exc

first 13 charac

unit (first and 2

3<sup>rd</sup> line is the d

revision, fab sit

4<sup>th</sup> line is the lo

The 'C' beside

Free mark) den

wire.

## Example Marking Format : CY23FS04ZXIT

Line 1: CY23FS04Z

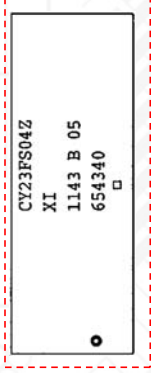
Line 2: XI

Line 3: 1143 B 05

Line 4: 654340

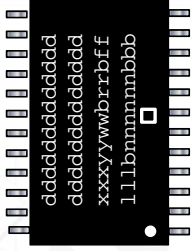
### NOTES:

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 2<sup>nd</sup> line.
3. If dash is used on the 10<sup>th</sup> or 11<sup>th</sup> characters, ignore dash.



# TSSOP 20L/TSSOP 38L

## Using Gold (Au) Wire



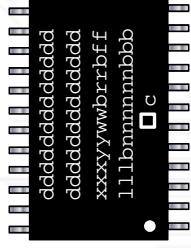
Lines 1 – 4: 13 characters per line

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

1<sup>st</sup> and 2<sup>nd</sup> line number. If total characters exceed first 13 characters (first and 2nd line Mkt Part number characters, move characters to line

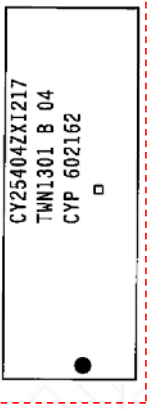
3<sup>rd</sup> line is the COO, revision, fab site

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

The 'C' beside mark) denotes

## Example Marking Format : CY25404ZXI217

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



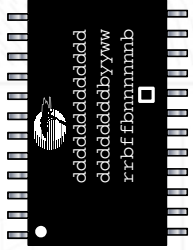
### NOTES:

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

# TSSOP 20L/TSSOP 32L (REVERSE OPTION)

Lines 1 – 3: 13 c

## Using Gold (Au) Wire

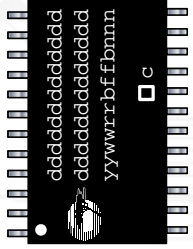


Lines 1 – 3: 13 characters per line

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



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 Free mark) denotes the wire.

## Example Marking Format : : CY62256VNULL-70ZRXI

Line 1: CY62256VNULL-  
Line 2: 70ZRXI 1301  
Line 3: ND 04 600295

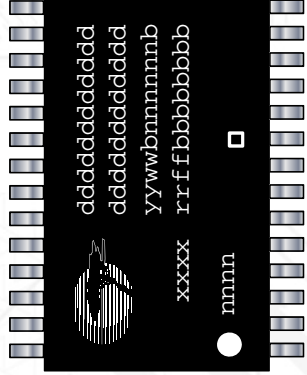


### NOTES:

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

# TSOP II 32L to TSOP II 54L

## Using Gold (Au) Wire



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

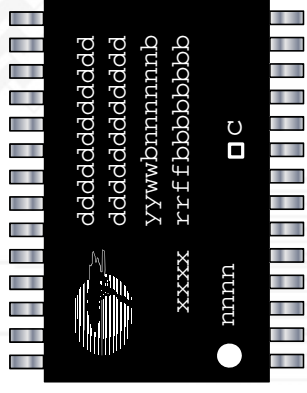
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

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.

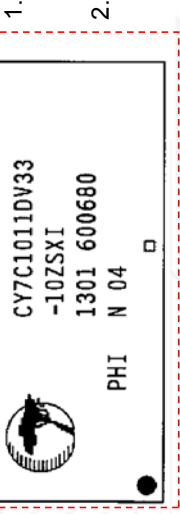
xxxx – Country of Origin (COO) – for Packages with no engraved COO.

The 'C' beside the 'C' denotes the Country of Origin (COO) – for Packages with no engraved COO.

## Example Marking Format: : CY7C1011DV33-10ZSXI

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

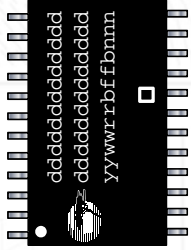
Note:



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

# TSOP 28L/TSOP 48L

## Using Gold (Au) Wire



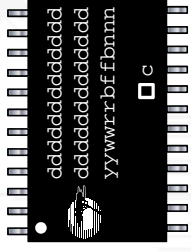
Lines 1 – 3: 13 characters per line

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

1st line is the m

2nd line is the m  
if > 13 chars an

3rd line is backe  
and the lot code

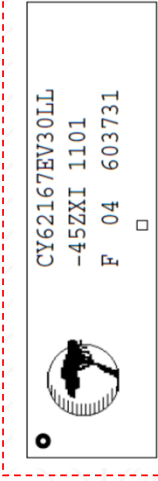
The 'C' beside t  
Free mark) den  
wire.

## 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.



# 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

Lines 1 – 3: 13 line

## Using Copper (Cu) Wire



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

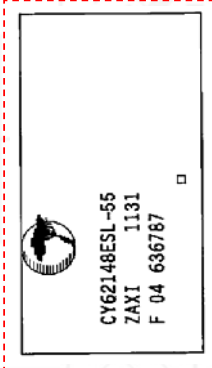
2<sup>nd</sup> line is the marketing number if > 13 characters and datecode

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

The 'C' beside (Pb-Free mark) use of copper wire

## Example Marking Format : CY62148ESL-55ZAXI

- Line 1: CY62148ESL-55
- Line 2: ZAXI 1131
- Line 3: F 04 636787

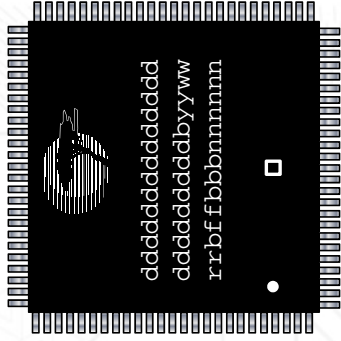


## NOTES:

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

# TQFP 32L to TQFP 144L

## Using Gold (Au) Wire

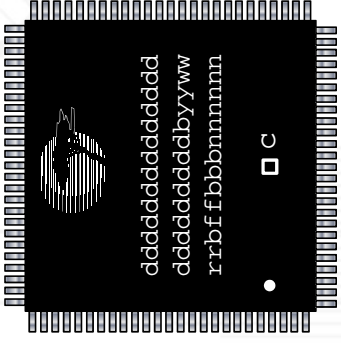


Lines 1 – 4: 14 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains s5 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

1<sup>st</sup> and 2<sup>nd</sup> line number. If Mkt. PN on line 2 contains s5 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 Free mark) denotes wire.

## Example Marking Format : CY8C5468AXI-LP106

Line 1: CY8C5468AXI-  
Line 2: LP106 1301  
Line 3: A 04 600436

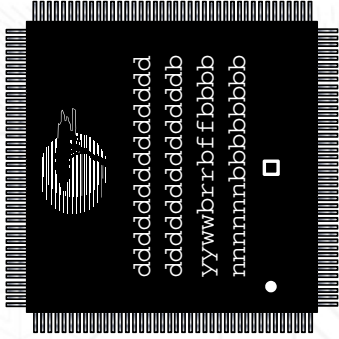
Note:

1. If length of Mkt Part Number exceeds 14 characters on Line 1, split the Mkt Part Number wrapping the rest on the second line
2. For Non-MIA devices, mark last four number (nnnn) beside the pin 1 indicator



# TQFP 160L to TQFP 388L

## Using Gold (Au) Wire



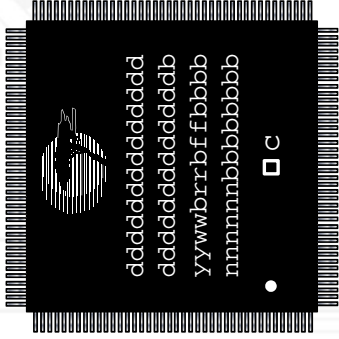
Lines 1 – 4: 14 characters per line

1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is ≤14 characters, move line 3 to line 2 then succeeding lines follows.

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

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

## Using Copper (Cu) Wire



Lines 1 – 4: 14

1<sup>st</sup> and 2<sup>nd</sup> line part number. If characters, move then succeeding

3<sup>rd</sup> line is the date revision and fab

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

The 'C' beside (Pb-Free mark) copper wire.

## Example Marking Format : CY37128VP160-125AXC 1137 B 16



Line 1: CY37128VP160-  
Line 2: 125AXC 1137 B 6  
Line 3: 706976

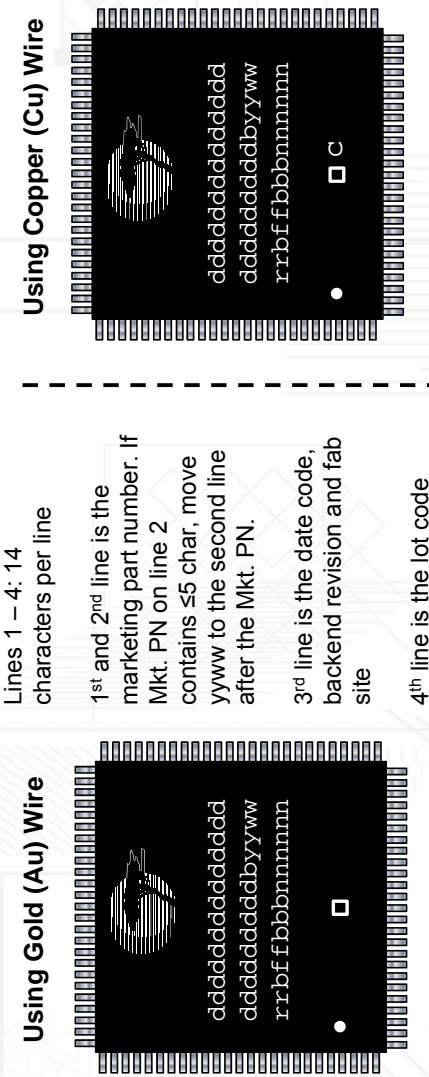


**Example:**  
Line 1: CY37128VP160-  
Line 2: 83A  
Line 3: B 16  
Note: **For Au added after**

### Note:

1. If Mkt PN is > 14 characters, break the Mkt. PN after the 14th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 14th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. 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 left followed by a blank (b) and the 6 digit mark lot number (nnnnnn)

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



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.

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

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

Lines 1 – 4:

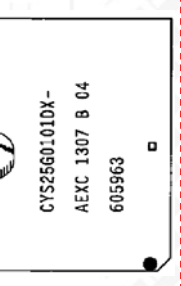
1<sup>st</sup> and 2<sup>nd</sup> line is the Mkt. PN on yyww to the

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

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

The 'C' beside the fab site denotes the fab site

## Example Marking Format : : CY525G101DX-AEXC



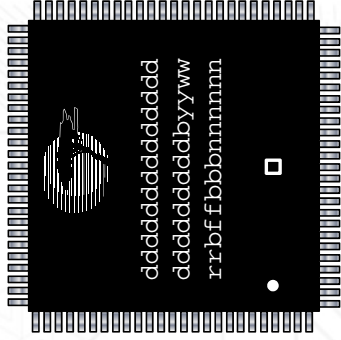
Line 1: CY525G101DX-  
Line 2: AEXC 1307 B 04  
Line 3: 605963

### Note:

1. If length of Mkt Part Number exceeds the maximum characters on Line 1, split the Mkt Part Number after wrapping the rest on the second line.
2. For Non-MIA devices, mark last four digits of the a number (nnnn) beside the pin 1 indicator.

# PQFP 32L to PQFP 144L

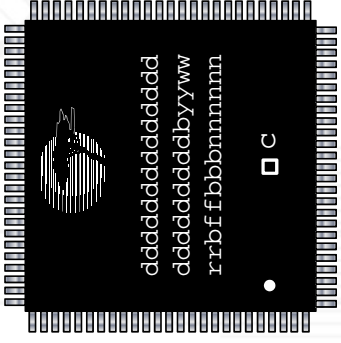
## Using Gold (Au) Wire



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 ≤5 char, move yyww to the second line after the Mkt. PN  
3<sup>rd</sup> line is the date code, backend revision and fab site  
4<sup>th</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  
3<sup>rd</sup> line is the date code, backend revision and fab site  
4<sup>th</sup> line is the lot code  
The 'C' beside the square symbol indicates Free mark) device wire.

## Example Marking Format: : CY7C136A-55NXI

Line 2: TWWN1231 G 02  
Line 3: 628291

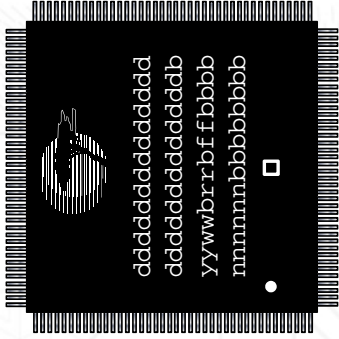


## Note:

1. If length of Mkt Part Number exceeds characters on Line 1, split the Mkt Part wrapping the rest on the second line.
2. For Non-MIA devices, mark last four digit number (nnnn) beside the pin 1 indicator

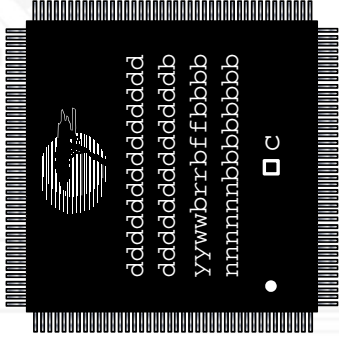
# PQFP 160L to PQFP 388L

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

## Using Copper (Cu) Wire



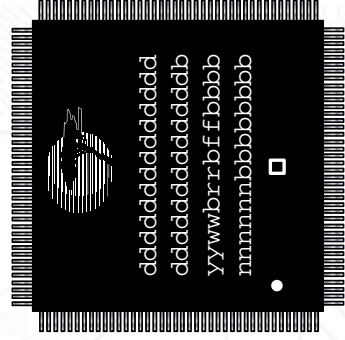
Lines 1 – 4: 14 characters per line  
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number  
3<sup>rd</sup> line is the date code, backend revision and fab site  
4<sup>th</sup> line is the lot code  
The 'C' beside (Pb-Free marking) indicates use of copper wire

# No Example Available



# CQFP 160L to CQFP 388L

## Using Gold (Au) Wire



Lines 1 – 4: 14 characters per line

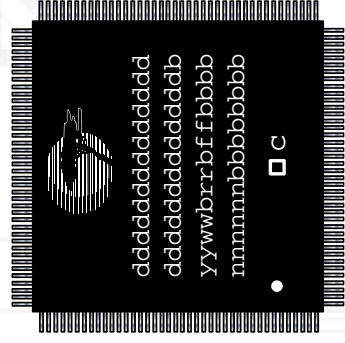
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

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

revision and fab site

4<sup>th</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

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

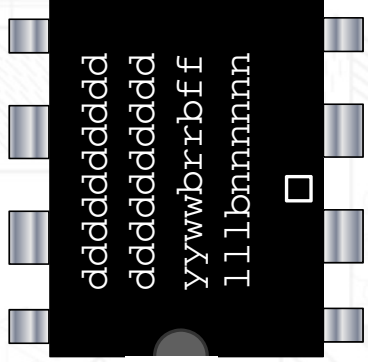
4<sup>th</sup> line is the lot code

The 'C' beside (Pb-Free marking) indicates the use of copper wire

# No Example Available

# PDIP 8L

Using Gold (Au) Wire

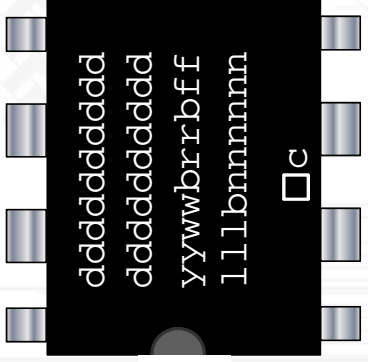


1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number.

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> marketing

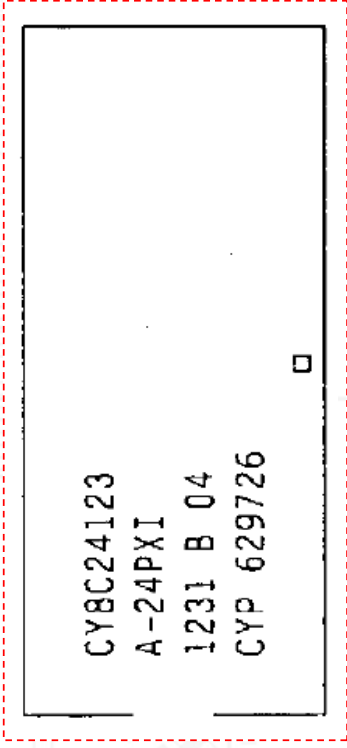
3<sup>rd</sup> line is backend site

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

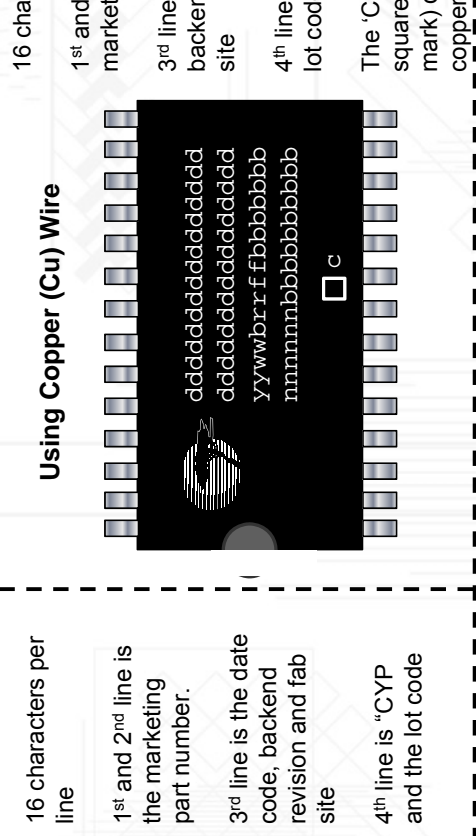
The 'C' (square mark) denotes copper wire

Example Marking Format : CY8C24123A-24PXI

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

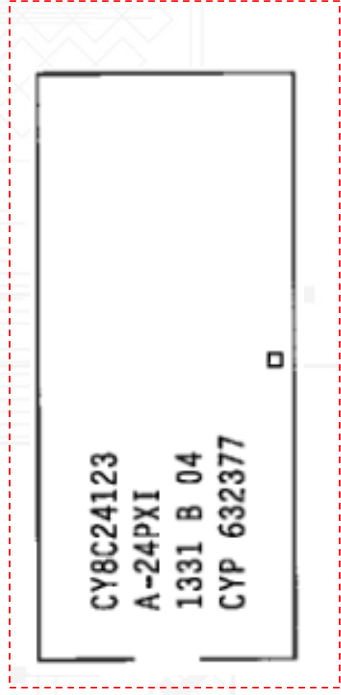


# PDIP 16L to PDIP 64L



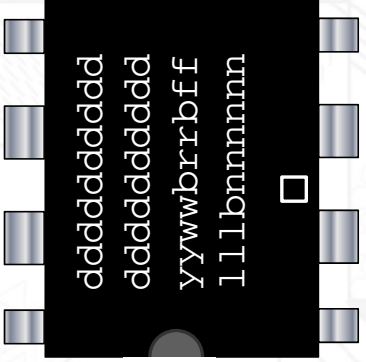
Example Marking Format: : CY8C24123A-24PXI

- Line 1: CY8C24123
- Line 2: A-24PXI
- Line 3: 1331 B 04
- Line 4: CYP 632377

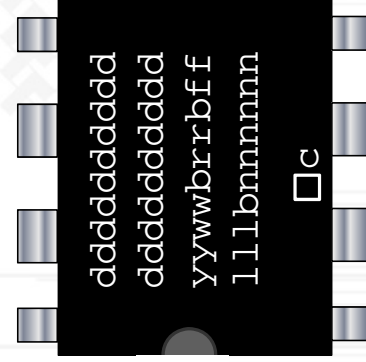


# CERDIP 8L

Using Gold (Au) Wire



Using Copper (Cu) Wire



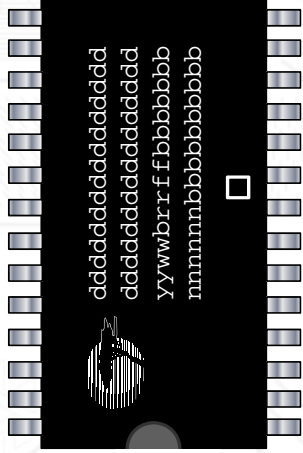
# No Example Available

Packages  
• CERDIP

# CERDIP 16L to CERDIP 64L

Using Gold (Au) Wire

16 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 the lot code

Using Copper (Cu) Wire

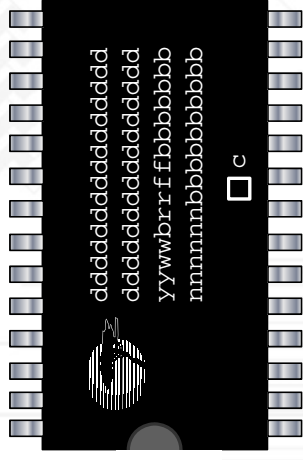
16 cha

1<sup>st</sup> and market

3<sup>rd</sup> line backer site

4<sup>th</sup> line

The 'C square mark) copper

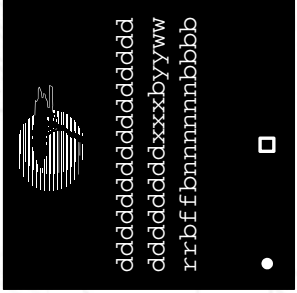


# No Example Available



# BGA 292L/BGA 388L/BGA 484L

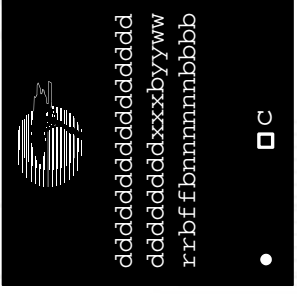
## Using Gold (Au) Wire



Lines 1 – 4: 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 – 4: 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 part number (Pb-Free mark) indicates the use of copper wire.

## Example Marking Format : CYD36S36V18-200BGXC

Part Number:

- Line 1: CYD36S36V18-
- Line 2: 200BGXC TWN 1213
- Line 3: A 04 610305

Note:

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

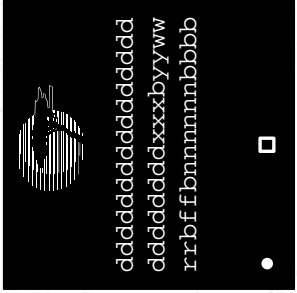


Packages :

- BGA292, BGA388, BGA484 (1063 mils)

# L2BGA 256L

## Using Gold (Au) Wire



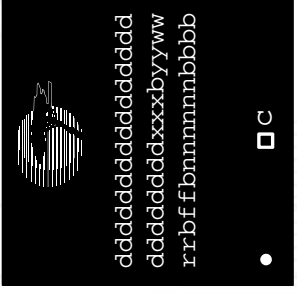
Lines 1 – 3: 16 characters per line

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 '0' (Pb-Free mark) of copper wire.

## Example Marking Format : CYV15G0203TB-BGXC

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

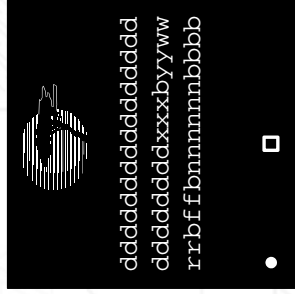
Note:



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

# FCBGA 361L (WITH HEAT SPREADER)

## Using Gold (Au) Wire



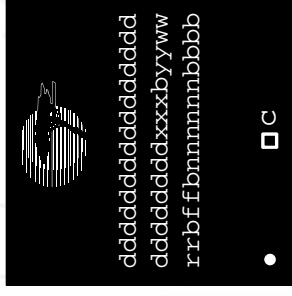
Lines 1 – 3: 16 characters per line

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

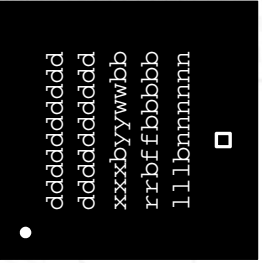
3<sup>rd</sup> line is the backend revision, fab site and lot code

The 'C' beside the 'Pb-Free mark' of copper wire.

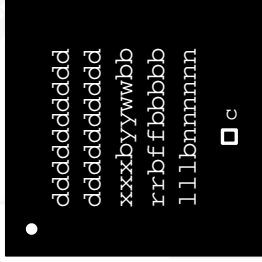
# No Example Available

# BGA 36L to BGA 48L

## Using Gold (Au) Wire



## Using Copper (Cu) Wire

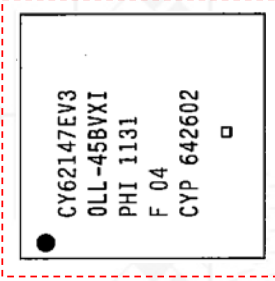


Lines 1 – 5: 10 characters per line  
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number  
3<sup>rd</sup> line is the COO, and date code  
4<sup>th</sup> line is the backend revision and fab site  
5<sup>th</sup> line is 'CYP' and lot code

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 date code (Pb-Free mark) denotes copper wire.

Example Marking Format : CY62147EV30LL-45BVXI

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



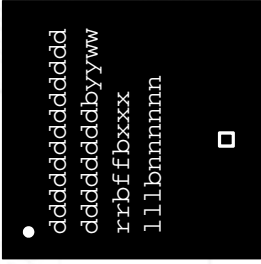
Note:

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

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

## Using Gold (Au) Wire

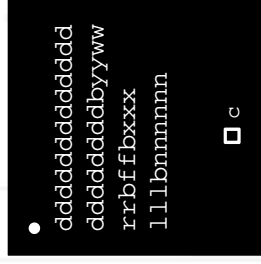
Lines 1 – 4: 13 characters per line



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

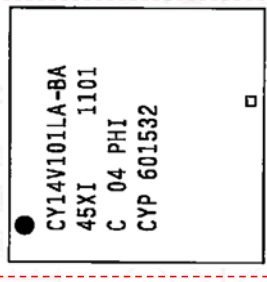
Lines 1 – 4: 13 characters per line



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 Free mark) denotes wire.

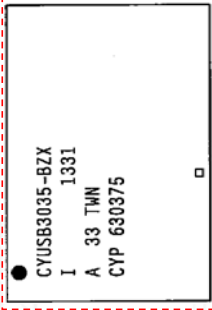
## Example Marking Format: : CY14V101LA-BA45XI

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



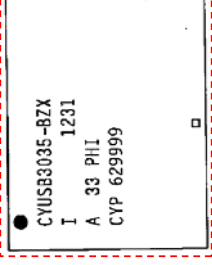
Part Number: CYUSB3035-BZXI  
 Package: BGA121

**Assembly Location: ASE Taiwan**  
 Line 1: CYUSB3035-BZX  
 Line 2: I 1331  
 Line 3: A 33 TWN  
 Line 4: CYP 630375



## Example Marking Format: : CYUSB3035-BZX

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



# VFBGA 56L/VFBGA 84L/VFBGA 100L

## Using Gold (Au) Wire

```

• dddddd
  dddddd
  xxxbyywwbb
  rrbffbbbbb
  lllbmmmmn
  □
  
```

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

```

• dddddd
  dddddd
  xxxbyywwbb
  rrbffbbbbb
  lllbmmmmn
  □ c
  
```

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 (Pb-Free mark) denotes 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

```

• CYDMX256A1
  6-90BVXI
  PHI 1301
  A 04
  CYP 601268
  □
  
```

### Note:

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

# VFBGA 60L/VFBGA 70L

## Using Gold (Au) Wire

```

• dddddd
  dddddd
  yywwbrrrbffb
  lllbnnnnnn
  xxxx
  □
  
```

- 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

```

• dddddd
  dddddd
  yywwbrrrbffb
  lllbnnnnnn
  xxxx
  □
  
```

- 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

```

• CY8CTMA463
  -60BUI
  1249 B 04
  CYP 639287
  TWN
  □
  
```

### Note:

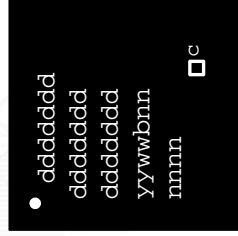
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the first character, wrapping the rest on the second line.

### Packages :

- VFBGA 60/VFBGA70 – 216 mils

# UFBGA 48L

## 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.

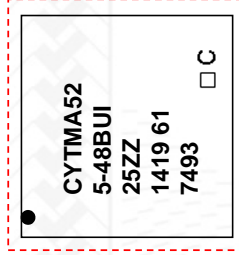
4<sup>th</sup> line (7 characters) is the datecode and lot code

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.

Example Marking Format: : CYTMA525-48BUI25ZZ

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



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.

# UFBGA 60L/UFBGA 70L

## Using Gold (Au) Wire

```

● dddddd
  dddddd
  yywwbrfffbb
  111bnnnnmb
  xxxx
  □
  
```

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 rfff 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
  dddddd
  yywwbrfffbb
  111bnnnnmb
  xxxx
  □ C
  
```

1<sup>st</sup> line (10 characters) number

2<sup>nd</sup> line (11 characters) 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 rfff to the next line.

3<sup>rd</sup> line (11 characters) revision and fab site

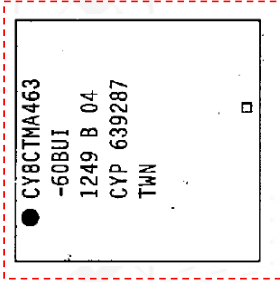
4<sup>th</sup> (11 characters) line

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

The 'C' beside the square 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 hyphen and wrapping the rest on the second line.

Packages :

- UFBGA 60/UFBGA70 – 216 mils

# UFBGA 84L

## Using Gold (Au) Wire

Lines 1 – 4: 10 characters per line

```
• dddddd  
  dddddd  
  xxxbyywwbb  
  rrbffbbbbb  
  1111bnnnnn
```

- 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

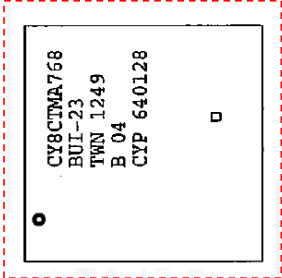
Lines 1 – 4: 10 characters per line

```
• dddddd  
  dddddd  
  xxxbyywwbb  
  rrbffbbbbb  
  1111bnnnnn
```

- 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 code.
  - 4<sup>th</sup> line is the backend site
  - 5<sup>th</sup> line is 'CYP' and lot code
- The 'C' beside the Free mark) denotes wire.

## Example Marking Format: : CY8CTMA768BUI-23

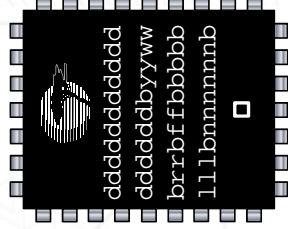
- Line 1: CY8CTMA768
- Line 2: BUI-23
- Line 3: TWN 1249
- Line 4: B 04
- Line 5: CYP 640128



- Packages :
- UFBGA 84L – 236 mils

# PLCC 24L TO PLCC 32L

## Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

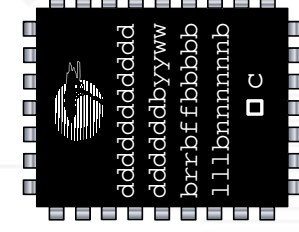
1<sup>st</sup> line is the marketing part number

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 4: 11 characters per line

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

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

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

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

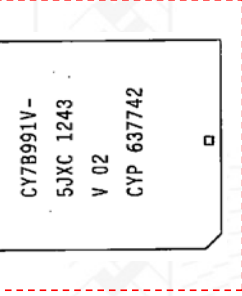
The 'C' beside the Free mark) denotes copper wire.

## Example Marking Format: CY7B991V-5JXC

-23

- Line 1: CY7B991V-
- Line 2: 5JXC 11243
- Line 3: V 02
- Line 4: CYP 637742

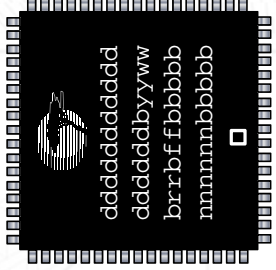
Note:



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

# PLCC 44L TO PLCC 84L

## Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

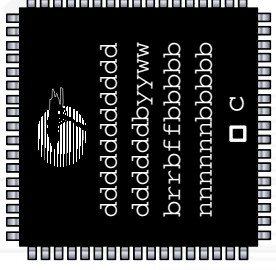
1<sup>st</sup> line is the marketing part number

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 4: 11 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 and fab site

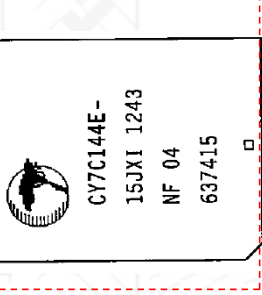
4<sup>th</sup> line is the lot code

The 'C' beside the Free mark) denotes copper wire.

## Example Marking Format: : CY7C144E-15JXI

Line 1: CY7C144E-  
Line 2: 15JXI 1243  
Line 3: NF 04  
Line 4: 637415

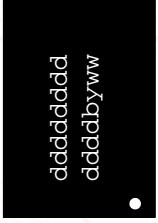
Note:



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

# LCC 04L TO LCC 06L

## Using Gold (Au) Wire



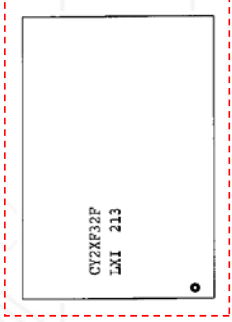
Lines 1 – 2: 8 characters per line

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)

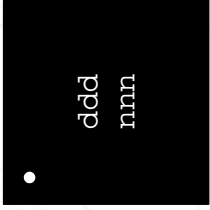
Example Marking Format : CY2XF32FLXIT I

Line 1: CY2XF32F  
Line 2: LXI 213



# QFN 8L

## Using Gold (Au) Wire

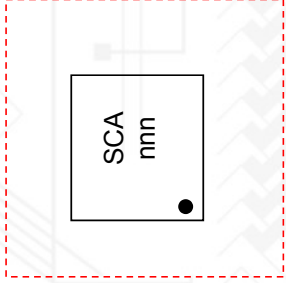


1<sup>st</sup> line (3 characters) is the 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> characters of marketing part number

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

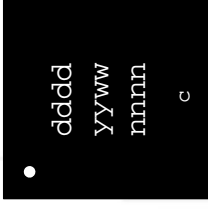
# QFN 16L

## 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

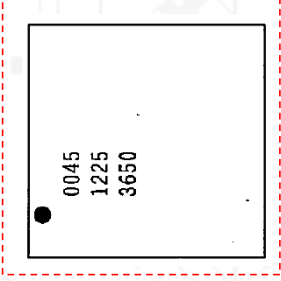
## Using Copper (Cu) Wire



- 1<sup>st</sup> line (4 characters) marketing part number dash (-)
  - 2<sup>nd</sup> line (4 characters)
  - 3<sup>rd</sup> line (4 characters) digits of the lot number
- The 'C' denotes the 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

- dddd  
dddddd  
YYww|bn  
nnnn □

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

- dddd  
dddddd  
YYww|bn  
nnnn □ c

1<sup>st</sup> line (4 characters) part number

2<sup>nd</sup> line (6 characters) part number

3<sup>rd</sup> line (6 characters) and the first digit of t

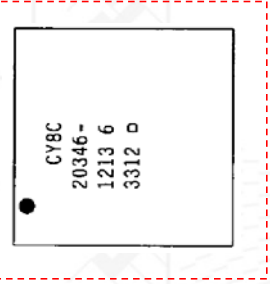
4<sup>th</sup> line (4 characters) is the last 4 digit if lo

The 'C' beside the square Free mark) denotes 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 number. Marketing Part number exceeds 10 characters, Marketing Part number exceeds 10 characters of the marketing part number. Ignore the last 10 characters over the first two lines.

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

## Using Gold (Au) Wire

- dddddd  
ddd  
yywwbxxxx  
nnnnnn □ 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

## Using Copper (Cu) Wire

- dddddd  
ddd  
yywwbxxxx  
nnnnnn □ c

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

2<sup>nd</sup> line (8 characters) part number

3<sup>rd</sup> line (8 characters) and the first digit of

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

The 'C' beside the square Free mark) denotes wire.

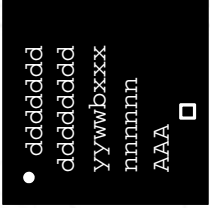
## Example Marking Format: CY14B101Q2-LHXI

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

- CY14B10  
1Q2-LHXI  
1207 TWN  
605256 □

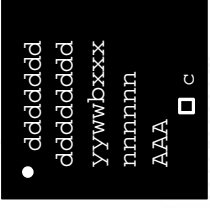
# QFN 28L/32L/36L/44L

## 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 the first digit of the lot code
- 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

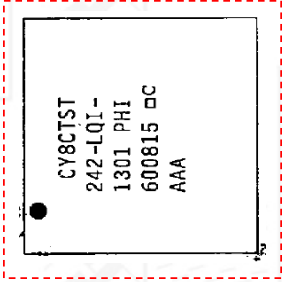
## Using Copper (Cu) Wire



- 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 the first digit of the lot code
  - 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 Free mark) denotes wire.

## Example Marking Format: CY8CTST242-LQI-01

Line 1: CY8CTST  
Line 2: 242-LQI-  
Line 3: 1301 PHI  
Line 4: 600815  
Line 5: 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 on the 2nd line.
3. If dash is used on the 9th or 10th characters, ignore them.
4. If total Mkt Part number characters exceed 15 characters, then the first 15 characters will be marked on the unit line will be used)

# QFN 40L/48/56L

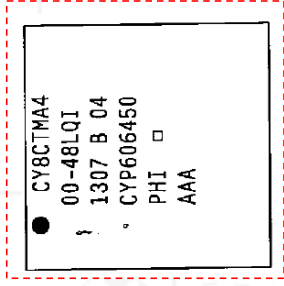
## Using Gold (Au) Wire

- d d d d d d d d  
d d d d d d d d  
Y Y w w b r b f f  
1 1 1 1 n n n n n  
x x x x  
A A A □ 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

## 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



## Using Copper (Cu) Wire

- d d d d d d d d d  
d d d d d d d d d  
Y Y w w b r b f f  
1 1 1 1 n n n n n  
x x x x  
A A A □ 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 mark) denotes the

### NOTES:

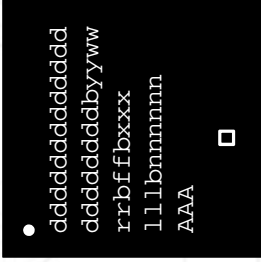
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 8-characters for marketing part numbers split the characters before the dash at 2nd line.
3. If dash is used on the 9th or 10th characters, ignore them.
4. If total Mkt Part number characters exceed 17 characters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

### Packages :

- QFN40/48/56 – 6X6 mm

# QFN 48L/56L

## Using Gold (Au) Wire



Lines 1 – 4: 13 characters per line

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

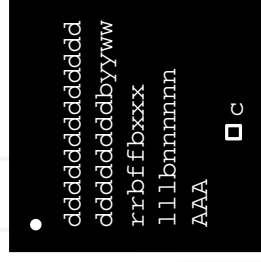
2<sup>nd</sup> line is the remaining marketing part number and datecode

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

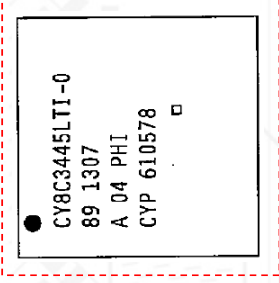
4<sup>th</sup> line is 'CYP' and lot code

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

The 'C' beside the Free mark) denotes copper wire.

## Example Marking Format: CY8C3445LTI-089

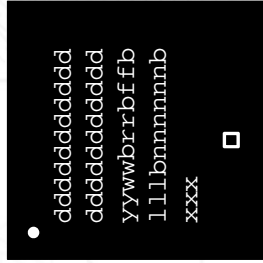
Line 1: CY8C3445LTI-0  
Line 2: 89 1307  
Line 3: A 04 PHI  
Line 4: CYP 610578  
Line 5: AAA



Packages :  
• QFN48 – 7XX mm  
• QFN56 – 8X8 mm

# QFN 48L/56L

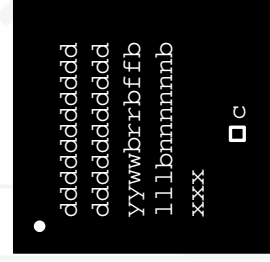
## Using Gold (Au) Wire



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

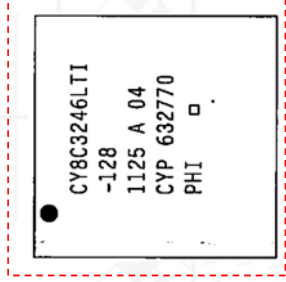
## Using Copper (Cu) Wire



- 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 symbol (Pb-Free mark) denotes 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

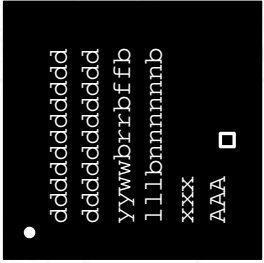


Packages :

- QFN 68L – 8x8x mm

# QFN 88L

## 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

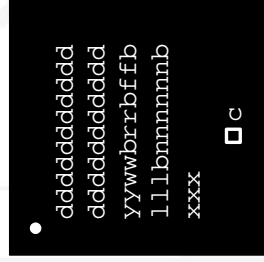
3<sup>rd</sup> line is the date code, backend revision and fab site

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

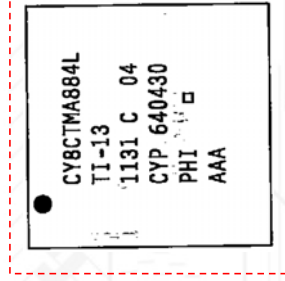
6<sup>th</sup> line (3 characters) is the strip ID applicable only for CML Autoline Assembled

The 'C' beside the Free mark) denotes copper wire.

## Example Marking Format: : CY8CTMA884LTl-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



# WLCSP 30L

## Using Gold (Au) Wire

- ddd  
ddd  
yww  
nnnn□

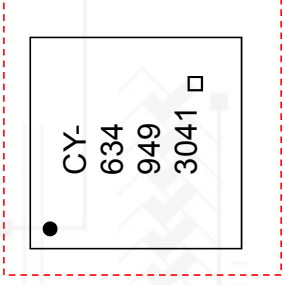
1<sup>st</sup> and 2<sup>nd</sup> line (3 characters)  
is the marketing part number

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

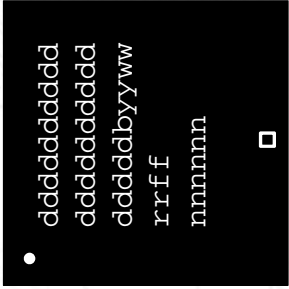
Line 1: CY-  
Line 2: 634  
Line 3: 949  
Line 4: 3041



Packages :  
• WLCSP30 – 1.85X2.31 mm

# WLCSP 30L

## Using Gold (Au) Wire



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

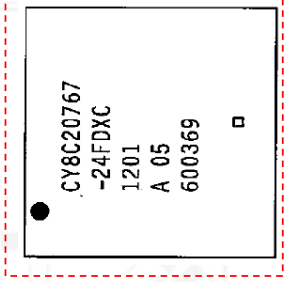
3<sup>rd</sup> line (9 characters) is the remaining part number and the date code

4<sup>th</sup> line (4 characters) is the backend revision in 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

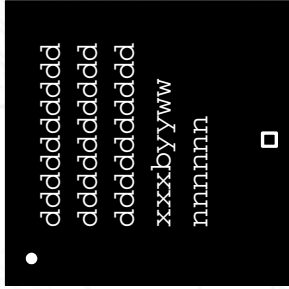


Packages :

- WLCSP30 – 2.2x2.3 mm

# WLCSP 49L

## 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:

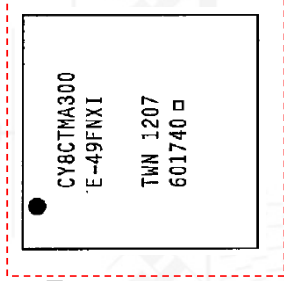
Part Number: CY8CTMA300E-49FNXI  
Line 1: CY8CTMA300  
Line 2: E-49FNXI  
Line 3: TWN 1207  
Line 4: 601740

### Note:

1. First three lines will be mark with Marketing Part number. Marketing Part number exceeds 10 characters, Marketing Part number of the marketing part number. Ignore 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

- ```
ddddd  
ddddd  
ddddd  
xxxbyyww  
rfff  
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

## Packages :

- WLCSP49/60 –
- WLCSP34 – 2.4
- DFN14 – 2.5x3.1

# No Example Available



# WLCSP 35L/60L/72L

## Using Gold (Au) Wire

• dddddd  
ddddd  
Yywwbrf fb  
xxxxbnnnnn □

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

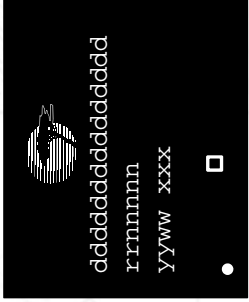
4<sup>th</sup> line (10 characters) is the country of origin, and mark lot number

# No Example Available



# FRAM PARTS

# FBGA 48L



Line 1: Marketing Part Number

Line 2: rrrnnnnn

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

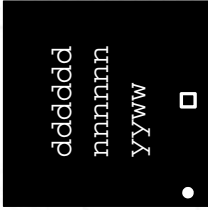
Line 1: FM28V402-BGC

Line 2: A 618477

Line 3: C 1319 TWN



# DFN 8L



Line 1: Truncated Marketing Part Number

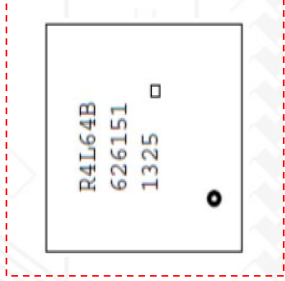
Line 2: nnnnnn - Cy assembly lot#

Line 3: yyww - Date Code

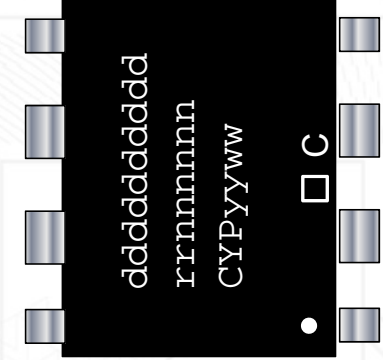
➤ 3x3mm 8 lead TDFN will NOT have square mark

Example Marking Format : FM24CL64B-DG

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



# PDIP 8L



Line 1: Marketing Part Number

Line 2: rrrrrrrrrr

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

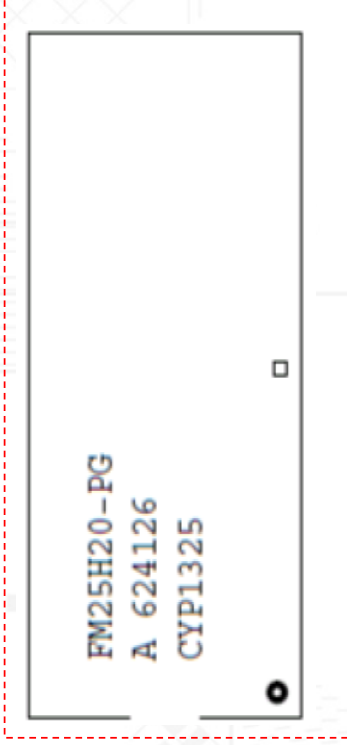
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: FM25H20-PG

Line 1: FM25H20-PG

Line 2: A 624126

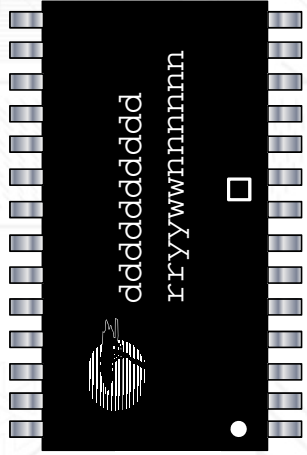
Line 3: CYP1325



Package:

- PDIP 8L -

# PDIP 28L



Line 1: Marketing Part Number

Line 2: rYyWwnnnnnn

where:

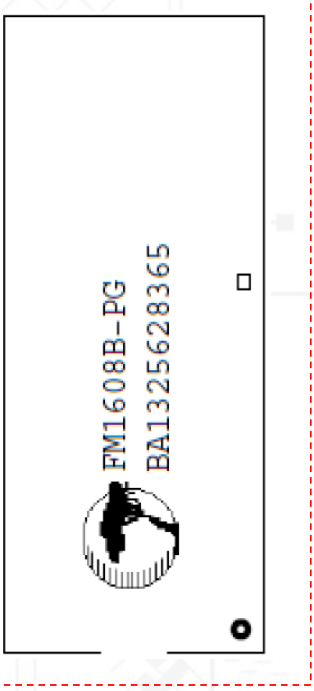
rr - BE Part Rev Code (can be 1 or 2 characters)

yyww - Date Code

nnnnnn - Cy assembly lot#

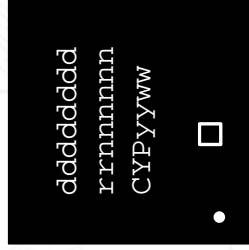
Example Marking Format: FM1608B-PG

Line 1: FM1608B-PG  
Line 2: BA1325628365



Package:  
• PDIP 28L

# EIAJ 8L



Row1: Marketing Part Number

Row2: rrrrrrrr

where:

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

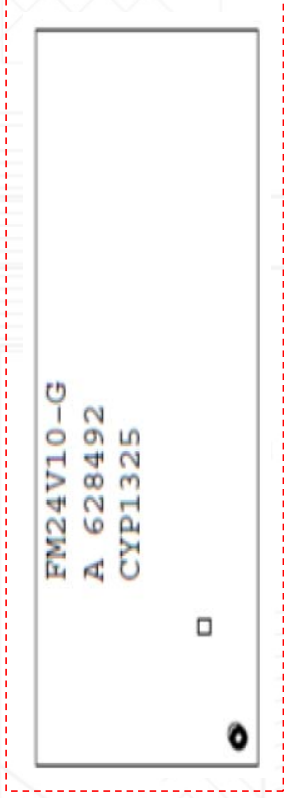
Row3: CYPyyww

where:

CYP – Cypress  
yyww – Date Code

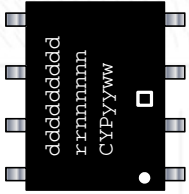
Example Marking Format: FM24V10-G

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



Package:  
• EIAJ 8L – 2

# SOIC 8L



Line 1: Marketing Part Number

Line 2: rrrrrrrrrr

where:

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

nnnnnn- Cy assembly lot# n

Line 3: CYPyyww

where:

CYP - Cypress

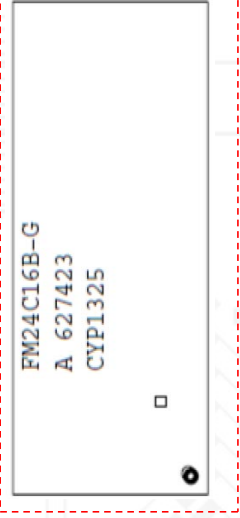
yyww- Date Code

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

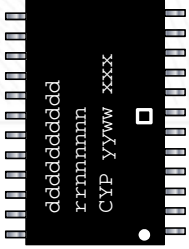
Line 1: FM24C16B-G

Line 2: A 627423

Line 3: CYP1325



# SOIC 14L



Line 1: Marketing Part Number

Line 2: rrrrrrrrr

where:

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

nnnnn- Cy assembly lot#

Line 3: CYP yyww xxx

where:

CYP - Cypress

yyww - Date Code

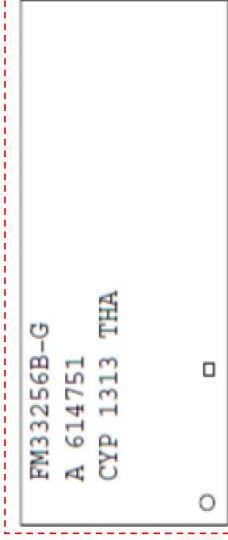
xxx - Country of origin

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

Line 1: FM33256B-G

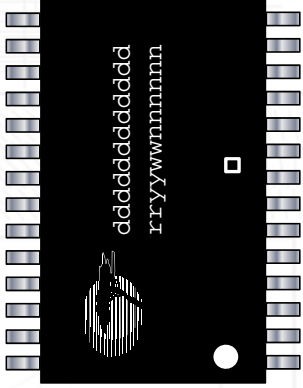
Line 2: A 614751

Line 3: CYP 1313 THA



Package:  
• SOIC 14 - 150 mils

# SOIC 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-SG

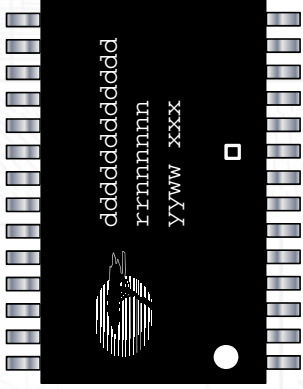
Line 1: FM1608B-SG  
Line 2: B 1325628495



Package:  
• SOIC 28 – 300 mils

Reference: 37-00001  
PIN13522

# TSOP 44L



Line 1: Marketing Part Number

Line 2: rrrrrrrrrr

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

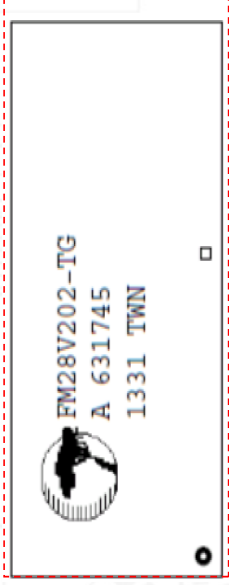
Line 1: FM28V202-TG

Line 2: A 631745

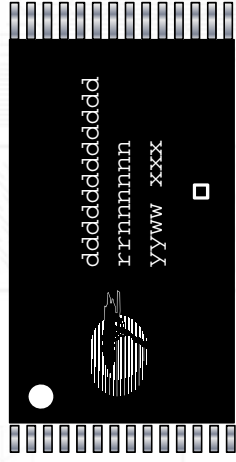
Line 3: 1331 TWN

Package:

- TSOP II 44 - 435 m



# TSOP I



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: yyww xxx

where:

yyww – Date Code

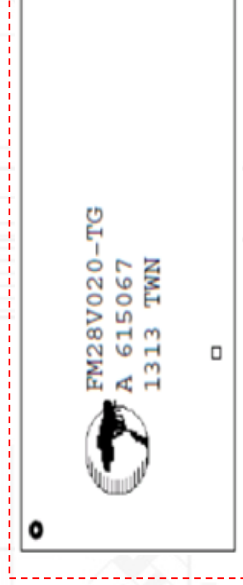
xxx – Country of origin

## Example Marking Format : FM28V020-TG

Line 1: FM28V020-TG

Line 2: A 615067

Line 3: 1313 TWN

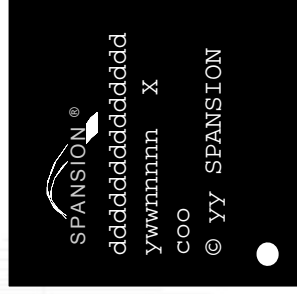


Package:

- TSOP I 28
- TSOP I 32



# FLASH PARTS



Logo - Spansion Logo

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

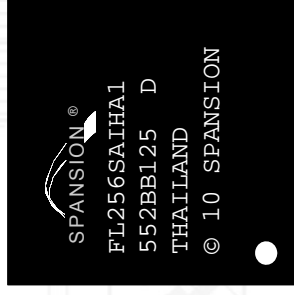
2<sup>nd</sup> line – Date code, die code (ywwnnnn)

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

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

## Example OPN:

S34ML01G100BHV000  
S34ML04G100BHI000  
S34ML01G100BHI000  
S25FL256SAGBHIA10  
S25FL256SAGBHIA13



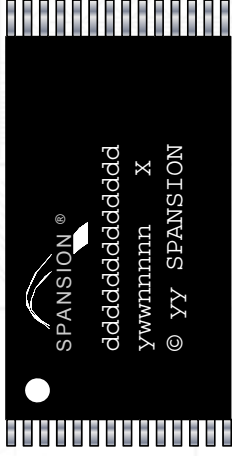
## Packages:

VBM063 / LAD080  
V2B063 / FAA064  
LAA064 / LAA080  
VBK048 / LAE064  
FAB024 / FAC024

## Note:

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

# TSOP



Logo - Spansion Logo

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

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

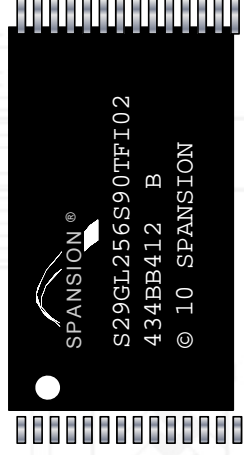
3<sup>rd</sup> line – Copyright (© yy SPANSION)

## Example OPN:

|                   |                   |
|-------------------|-------------------|
| S29GL064N90TFI04  | S29GL128S90TFI010 |
| S29GL032N90TFI04  | S29GL256S90TFI020 |
| S34ML01G200TFI000 | S29GL256S90TFI010 |
| S29GL256P90TFI010 | S29GL128S90TFI020 |
| S34ML02G100TFI000 |                   |
| S34ML01G100TFI000 |                   |

### Note:

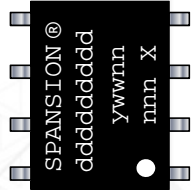
1. Date code yww: y= last digit of the year, ww= work week, nnnn= location code, X= die code



### Package:

- TSOP 48
- TSOP 56

# SOIC 8L

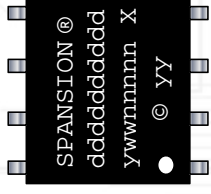


1<sup>st</sup> line – Logo line (SPANSION ©)

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

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 li

2<sup>nd</sup> line – Part n

3<sup>rd</sup> line - Date c

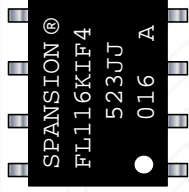
4<sup>th</sup> line - Copyrig

Example OPN:

S25FL216K0PMFI041

S25FL116K0XMF1040

S25FL132K0XMF1041



SOIC 8 – 150 mils

Example OPN:

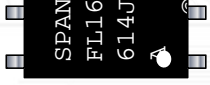
S25FL164K0XMF1011

S25FL008A0LMFI001

S25FL016A0LMFI010

S25FL032P0XMF1010

S25FL127SABMF1103



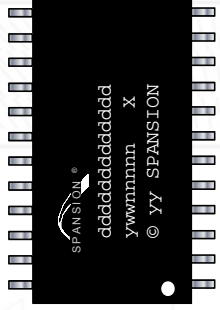
SOC 8

Note:

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

# SOIC 16L

SO3016 / SL3016



Logo - Spansion Logo

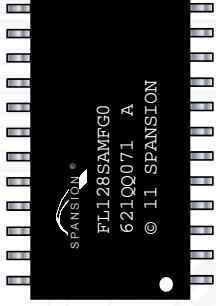
1st line - Part number  
(ddddddddd)

2nd line - Date code, die code  
(ywwnnn X)

3rd line - Copyright  
(© yy SPANSTON)

Example OPN:

- S25FL256SAGMFIG01
- S25FL512SAGMFI011
- S25FL256SAGMFI000
- S25FL128SAGMFI003
- S25FL128SAGMFMG00
- S25FL064P0XMF1001



Note:

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

# USON/WSON

Package code:

WNA008 / UNE008 / WNF008 / WNG008  
/ WNH008

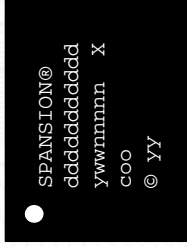
Logo - SPANSION®

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

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

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

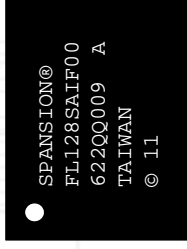
4<sup>th</sup> line – Copyright  
(© W)



Example OPN:

- S25FS256SAGNFI001
- S25FS256SAGNFI003
- S25FS512SAGNFI001
- S25FS512SAGNFI003

- Package:
- WNA008
  - UNE008
  - WNF008
  - WNG008
  - WNH008



Note:

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

# PLCC 32L

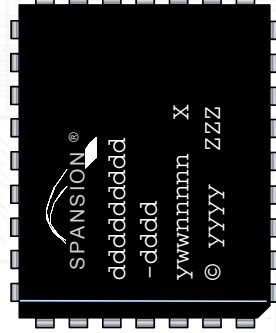
Logo - Spansion Logo

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

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

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

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

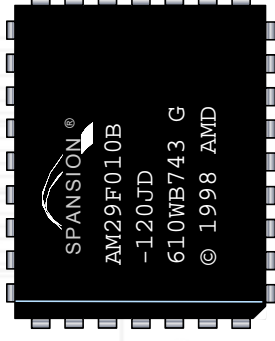


PL032

Example OPN:

AM29F010B-120JD

AM29F040B-120PD

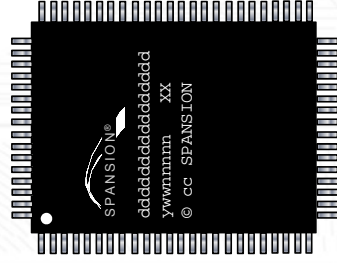


Note:

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)

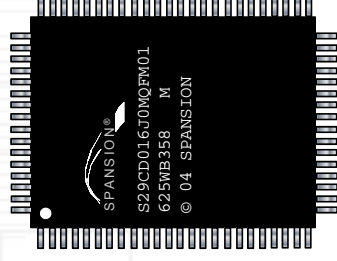
2<sup>nd</sup> line – Date code, die code  
(ywwnnnn X)

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



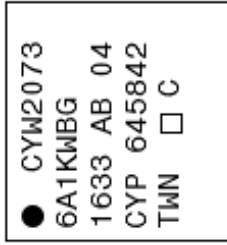
# QFN 40L



P1Bddddd  
cddddd  
YwwBRRBFF  
111BNNNN  
xxxxbbsgbc

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Data
  - RR: Backend Part Number
  - FF: Fab location
  - LLL: CYP
- 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

Example Marking Format: CYW20736A1KWBG



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

- Package: (mm)
- QFN40 – 6X6

# FBGA

P1Bddddd  
ddddd  
YwwBBBB  
FFBNNNNN  
xxxxbbsqbc

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part
  - YYWW: YY Data
  - RR: Backend P
  - FF: Fab location
- 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

Example Marking Format: CYW20733A2KML1G

● CYW207  
33A2KML1G  
1633 AB  
04 645842  
TWN □ C

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

# FBGA/QFN

P1Bddddd  
cddddd  
DDBYww  
NNNNN  
xxxxbbsgbc

- 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 Pa
  - YYWW: YY Date
  - RR: Backend Pa
  - FF: Fab location

Example Marking Format: CYW2046SB1KUFBG

● CYW20  
46SB1KUF  
BG 1633  
645842  
TWN □ C

- Packages: (mm)
- FBGA65 – 5x5
  - QFN32/QFN40 – 5X5

# FBGA 65

P1Bddddd  
cddddd  
DD  
YwwbNINNN  
xxxxbbsqbc

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part
  - YYWW: YY Data
  - RR: Backend P
  - FF: Fab location
- 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

Example Marking Format: CYW20713A1KUFBXG

● CYW2  
713A1KU  
FBXG  
633 842  
TWN □ C

- Packages: (mm)
- FBGA65 – 4.5X4

# FCBGA 49



- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Data
  - RR: Backend Part
  - FF: Fab location
- 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

Example Marking Format: CYW20704UA1KFFB1G



- Packages: (mm)
- FCBGA49 – 4.5X4



```
P1Bdāāāāāāāāāā  
dāāāāāā  
YwBRRBFF  
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 P
- YYWW: YY Data
- RR: Backend P
- FF: Fab location
- LLL: CYP

## Example Marking Format: CYW43241XFKWBG

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

Packages: (mm)

- WLCSP : 6.51X5.81, 6.57X5.62, 5.73X5.62, 5.88X4.4  
4.87X7.67, 4.97X7.5, 4.97X7.7, 4.47X5.67, 4.9X5.84  
4.91X5.8, 4.47X5.27, 4.89X5.33, 4.87X5.41, 2.87X4.87  
3.01X2.5

P1Bdāāāāāāāāāā  
dāāāāāā  
YwBRRB  
FFBNNNNN  
xxxbbbsq

- 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 Data
- RR: Backend Part
- FF: Fab location
- LLL: CYP

## Example Marking Format: CYW20736A1KWBG

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

- Packages: (mm)
- WLCSP69: 4.53X2.93
  - WLCSP/WLCSP36: 2.51X2.77

```
P1Bdāāāāāāāāāā  
dāāāāāā  
YwBRRB  
FFBNNNNN  
xxxbbbsq
```

- 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-RR for die ID location

Note:

- B : Blank space
- P1 : Pin 1
- D: Marketing P
- YYWW: YY Data
- RR: Backend P
- FF: Fab location
- LLL: CYP

Example Marking Format: CYW20736A1KWBG

```
● CYW207  
36A1KWBG  
1633 TWN  
645842  
CCC-RRR
```

- Packages: (mm)
- WLCSP80: 2.16X2.18

# 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- TSOPI 28L and TSOPI 32L                                                                                                                                                                                                                                                                               |
| Rev. 10 | HLR   | Added the marking format for 60 balls WLCSP and 35 balls WLCSP based on Fig. 127.<br>Added 34 balls WLCSP and 14L DFN based on Fig. 122.                                                                                                                                                                                                        |
| Rev. 11 | MRB   | Align the marking format for SOJ28-44 (page 11) based from Figure 9 on Final Mark Specification Deleted and replaced the example marking format for TSOP 28 - TSOP 48 (page 20) from 4 line based from Figure 27 on Final Mark Format Specification (37-00001)                                                                                  |
| Rev. 12 | MRB   | Rewrite and pattern the marking explanation of TSOP 28 to TSOP 48 (page 20) from TSOP 32                                                                                                                                                                                                                                                        |
| 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

|         | <b>Owner</b> | <b>Description of Change</b>                                                                          |
|---------|--------------|-------------------------------------------------------------------------------------------------------|
| Rev. 15 | HLR          | Changed the Unit Orientation Format for TSSOP 8.                                                      |
| Rev. 16 | MRB          | Added IOT Marking format<br>Removed sample word and rewrite/align all flex<br>Changed to new template |
| Rev 17  | MRB          | Corrected the example marking format for LGA 27 (page 88)                                             |



# End of Memo

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