

# ANTREX Electronics

Electronic Components Sourcing Information

---

## Product Reference Information

**Part Number:** CY8CTMA884LTI-13T  
**Manufacturer:** Infineon Technologies  
**Package:** 88-VFQFN Exposed Pad  
**Availability:** Please confirm with sales

### Product Page:

<https://antrexco.com/product/details/infineon-technologies/cy8ctma884lti-13t.html>

### Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

## Contact Information

Email: [info@antrexco.com](mailto:info@antrexco.com)

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

## Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

### Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

---



# 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

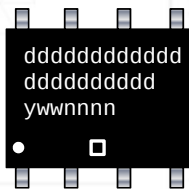


## LEGEND:

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

# SOIC 8L

## Using Gold (Au) Wire

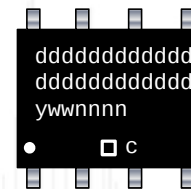


1<sup>st</sup> line (12 characters) is the marketing part number

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

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

## Using Copper (Cu) Wire



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

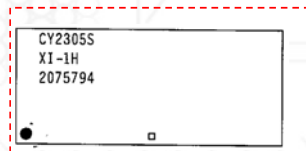
2<sup>nd</sup> line (10 characters) is the rest of the marketing part number

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

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

## Example Marking Format: CY2305SXI-1H

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



### Note:

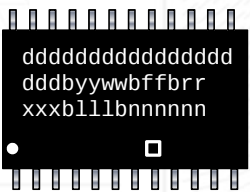
1. First line to mark the marketing part number before the first S character.
2. 2nd line the rest of the marketing part number.
3. 3rd line ywnnnn where y= last digit of the year ww= work week nnnn= last four digits of the lot number.
4. If the marketing part number has more than 7 characters before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

### Packages :

- SOIC 8 - 150 mils

# SOIC 14L/SOIC 16L

## Using Gold (Au) Wire



- 1<sup>st</sup> line (16 characters) is the marketing part number
- 2<sup>nd</sup> line (14 characters) is the date code, fab site and backend revision
- 3<sup>rd</sup> line is the COO, 'CYP' and lot code.

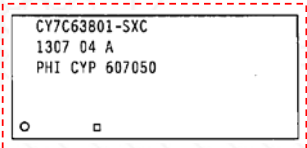
## Using Copper (Cu) Wire



- 1<sup>st</sup> line (16 characters) is the marketing part number
- 2<sup>nd</sup> line (14 characters) is the date code, fab site and backend revision
- 3<sup>rd</sup> line is the COO, 'CYP' and lot code.
- The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY7C63801-SXC.

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

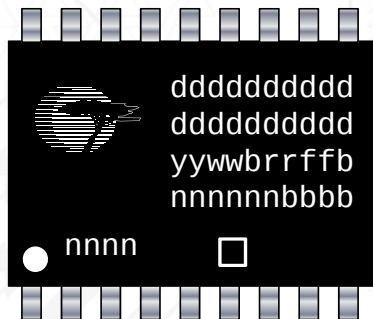


- Note:
1. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN separated with a blank then wrap the rfff to the left
  2. If BE Part Rev has only one character, use rbff format instead of rfff
  3. For Non-MIA devices, mark last four digits of the assembly lot number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

- Packages :
- SOIC 14 - 150 mils
  - SOIC 16 - 150 mils

# SOIC 16L/SOIC 18L

## Using Gold (Au) Wire



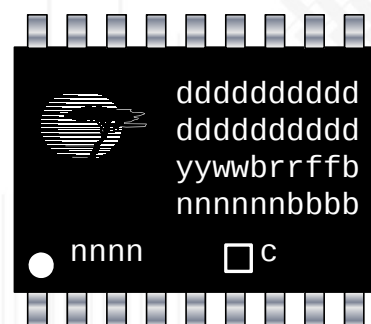
Lines 1 – 4: 10 characters per line  
Line 5: 4 characters

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

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

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

## Using Copper (Cu) Wire



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

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

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

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

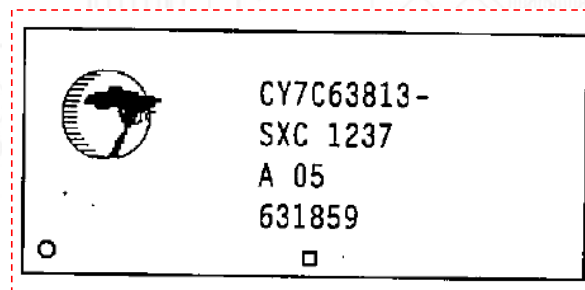
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format : CY7C63801-SXC.

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

### Note:

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

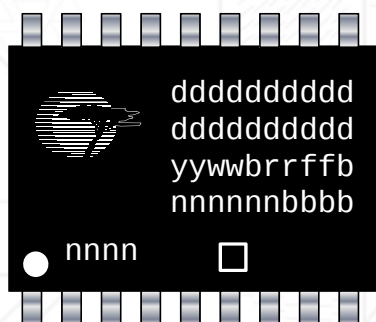


### Packages :

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

# SOIC 20L/SOIC 24L

## Using Gold (Au) Wire



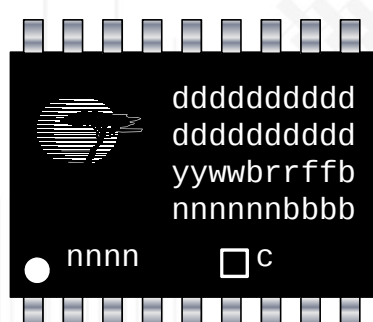
Lines 1 – 4: 10 characters per line  
Line 5: 4 characters

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

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

4th line is the lot code

## Using Copper (Cu) Wire



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

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

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

4th line is the lot code

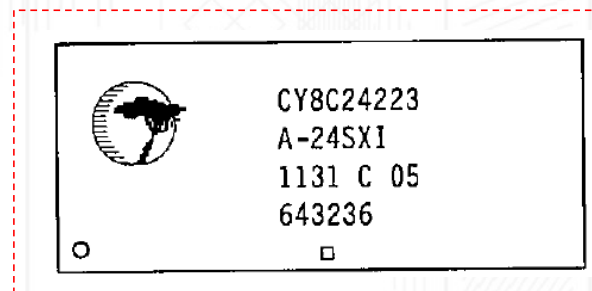
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: : CY8C24223A-24SXI

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

### Note:

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



# SOIC 28L/SOIC 44L

## Using Gold (Au) Wire



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

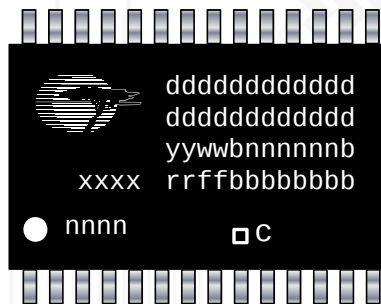
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

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.

## Using Copper (Cu) Wire



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

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

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

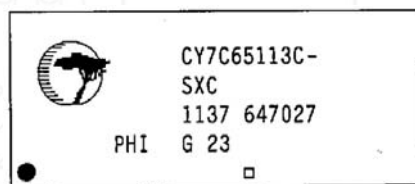
4<sup>th</sup> line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

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

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

## Example Marking Format: : CY7C65113C-SXC

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



### Note:

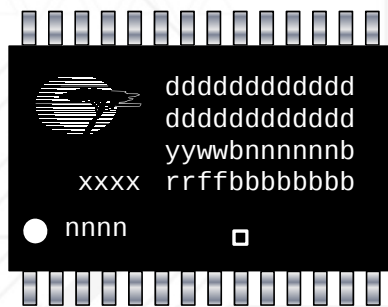
1. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 12th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. For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

### Packages :

- SOIC 28 - 300/400/450 mils
- SOIC 44 - 300/400/450 mils

# 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

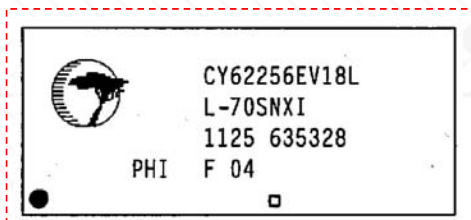
4<sup>th</sup> line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

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

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

## Example Marking Format: : CY62256EV18LL-70SNXI

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



### Note:

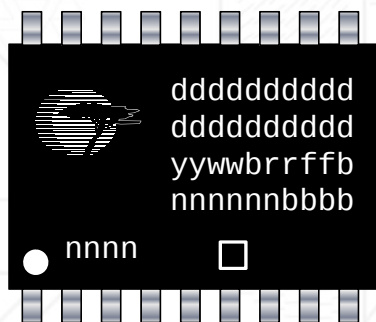
1. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 12th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. For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

### Packages :

- SOIC 28 - 300/400/450 mils
- SOIC 44 - 300/400/450 mils

# SOJ 16L/SOJ 18L

## Using Gold (Au) Wire



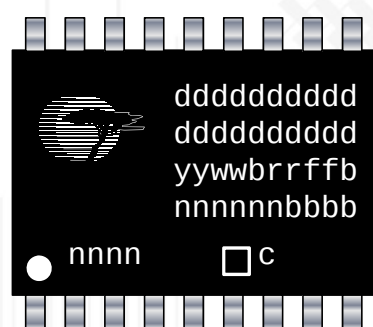
Lines 1 – 4: 10 characters per line  
Line 5: 4 characters

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

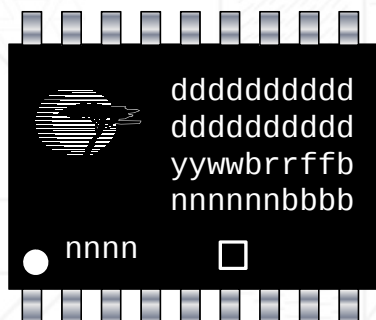
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

# No Example Available

- Packages :
- SOJ16 - 300 mils
  - SOJ18 - 300 mils

# SOJ 20L/SOJ 24L

## Using Gold (Au) Wire



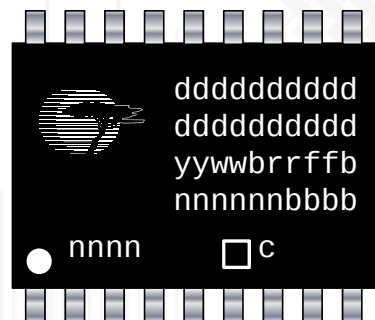
Lines 1 – 4: 10 characters per line  
Line 5: 4 characters

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: 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

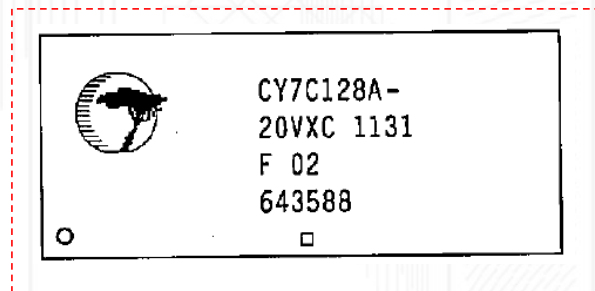
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## 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.



Reference: 37-00001, Figure 5

# SOJ 28L - SOJ 44L

Using Gold (Au) Wire

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

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

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

Using Copper (Cu) Wire

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

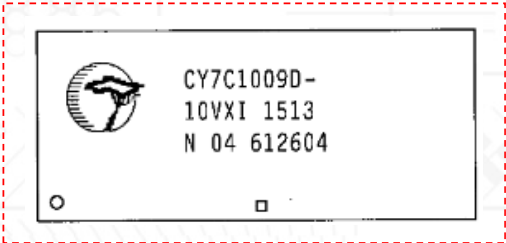
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN.

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

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

## Example Marking Format: : CY7C1009D-10VXI

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



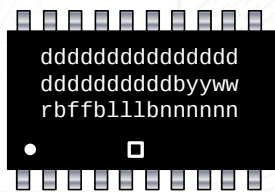
- Note:

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

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

# SSOP 20L/SSOP 28L

## Using Gold (Au) Wire



Lines 1 – 3: 15 characters per line

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 3: 15 characters per line

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

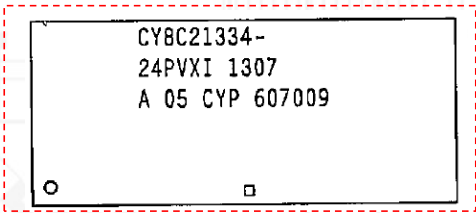
2<sup>nd</sup> line is the remaining marketing part number and datecode

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

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

## Example Marking Format: : CY8C21334-24PVXI

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



Packages :

- SOJ20 - 209 mils
- SOJ28 - 209 mils

# SSOP 48L/SSOP 56L

## Using Gold (Au) Wire



Lines 1 – 3: 19 characters per line

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 3: 19 characters per line

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

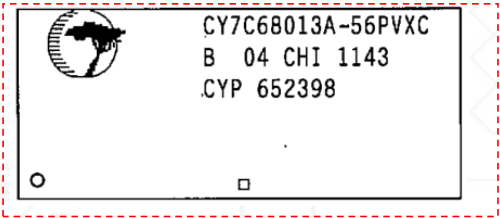
2<sup>nd</sup> line backend revision fab site, COO and date code.

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

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

Example Marking Format: : CY7C68013A-56PVXC

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



# QSOP 20L/QSOP 28L

## Using Gold (Au) Wire



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

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

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

## Using Copper (Cu) Wire



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

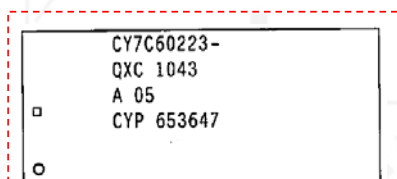
3<sup>rd</sup> line (14 characters) is the backend revision and fab site.

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

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

## Example Marking Format: : CY7C60223-QXC

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



### NOTES:

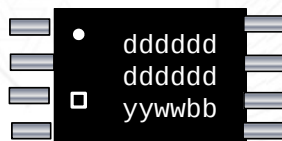
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

### Packages :

- QSOP20 – 150mils
- QSOP28 – 150mils

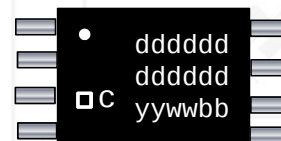
# TSSOP 8L

## Using Gold (Au) Wire



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

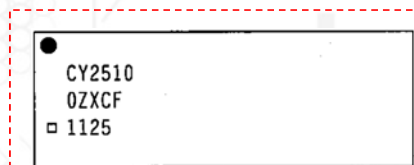
## Using Copper (Cu) Wire



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

Example Marking Format: : CY25100ZXCF

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



Note:

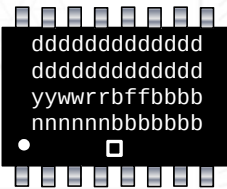
1. Requirement of "SIX DIGIT ASSEMBLY LOT NUMBER AND COUNTRY OF ORIGIN IS REQUIRED ON BACKSIDE MARKING"

Packages :

- TSSOP 8 – 173 mils

# TSSOP 16L/TSSOP 14L

## Using Gold (Au) Wire



Lines 1 – 4: 13 characters per line

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 4: 13 characters per line

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

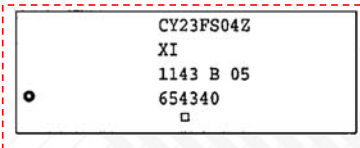
3<sup>rd</sup> line is the date code, backend revision, fab site

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

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

## Example Marking Format: : CY23FS04ZXIT

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



### NOTES:

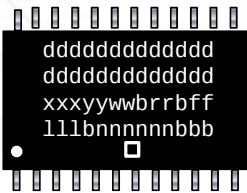
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

### Packages :

- TSSOP16 – 173 mils
- TSSOP15 – 173 mils

# TSSOP 20L/TSSOP 38L

## Using Gold (Au) Wire



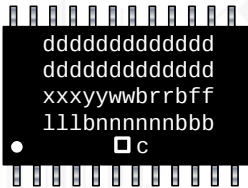
Lines 1 – 4: 13 characters per line

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 4: 13 characters per line

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

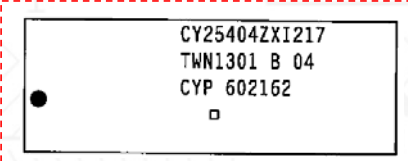
3<sup>rd</sup> line is the COO, date code, backend revision, fab site

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

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

## Example Marking Format : CY25404ZXI217

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



### NOTES:

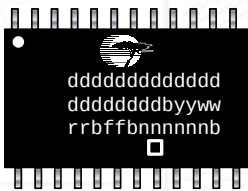
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

### Packages :

- TSSOP20 – 173 mils
- TSSOP38 – 173 mils

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

## Using Gold (Au) Wire



Lines 1 – 3: 13 characters per line

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

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

## Using Copper (Cu) Wire



Lines 1 – 3: 13 characters per line

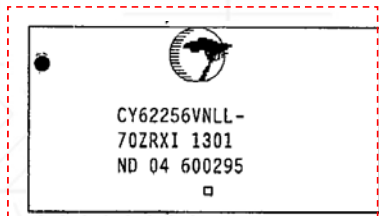
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If total Mkt Part number characters exceed 13 characters, then first 13 characters will be mark on the unit (first and 2nd line will be used) followed by the datecode.

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

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

Example Marking Format: : : CY62256VNLL-70ZRXI

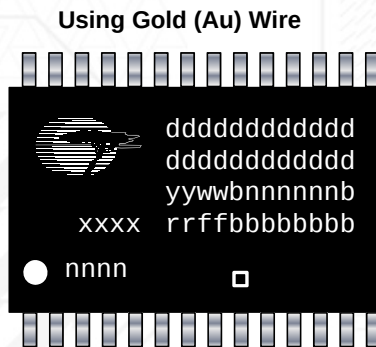
Line 1: CY62256VNLL-  
Line 2: 70ZRXI 1301  
Line 3: ND 04 600295



## NOTES:

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

## TSOP II 32L to TSOP II 54L



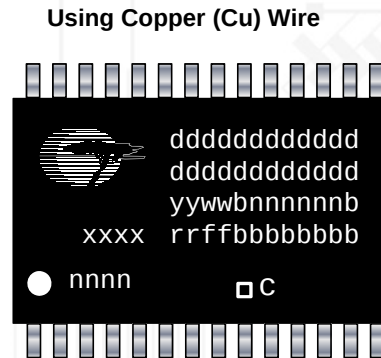
Lines 1 – 4: 12 characters per line  
Line 5: 4 characters

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.



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

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

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

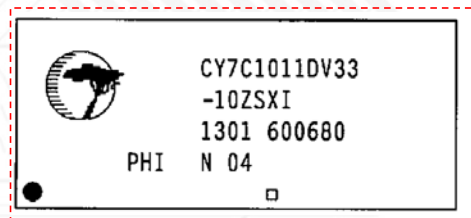
4<sup>th</sup> line is the backend revision and fab site.

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

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

Example Marking Format: : CY7C1011DV33-10ZSXI

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



Note:

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

Packages :

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

# TSOP 28L/TSOP 48L

## Using Gold (Au) Wire



Lines 1 – 3: 13 characters per line

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 3: 13 characters per line

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

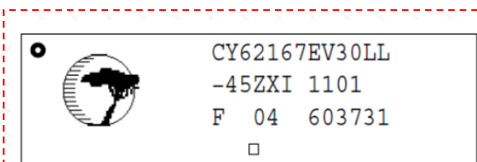
2<sup>nd</sup> line is the marketing part number if > 13 chars and date code

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

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

Example Marking Format: : CY62167EV30LL-45ZXI

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



## NOTES:

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

## Packages :

- TSOP28 – 767 mils
- TSOP48 - 767 mils

# STSOP 32L

## Using Gold (Au) Wire



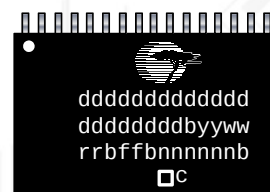
Lines 1 – 3: 13 characters per line

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 3: 13 characters per line

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

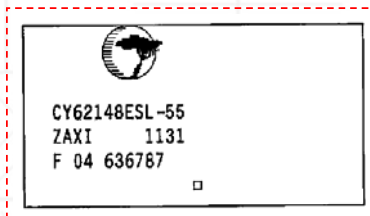
2<sup>nd</sup> line is the marketing part number if > 13 chars and datecode

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

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

## Example Marking Format: : CY62148ESL-55ZAXI

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

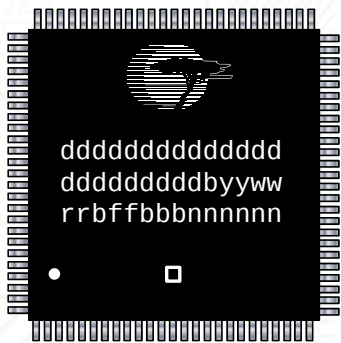


## NOTES:

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

# TQFP 32L to TQFP 144L

## Using Gold (Au) Wire

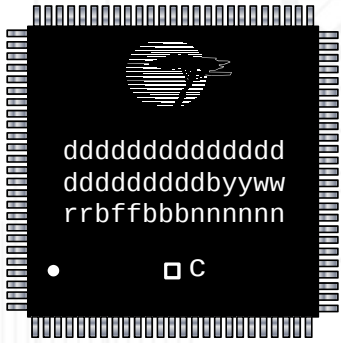


Lines 1 – 4: 14 characters per line

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

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

## Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line

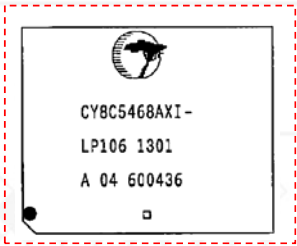
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN.

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

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

Example Marking Format: : CY8C5468AXI-LP106

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

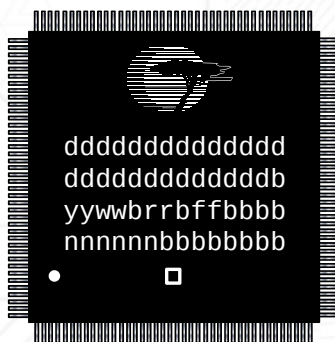


### Note:

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

# TQFP 160L to TQFP 388L

## Using Gold (Au) Wire



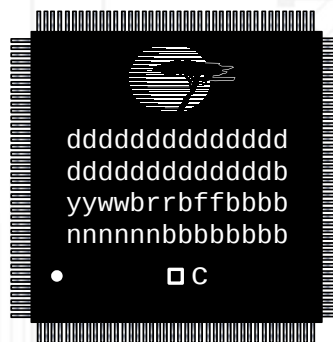
Lines 1 – 4: 14 characters per line

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 characters per line

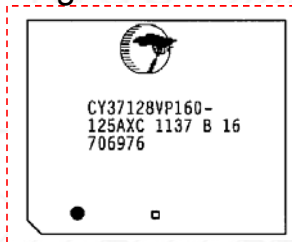
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN is ≤14 characters, move line 3 to line 2 then succeeding lines follows.

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

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

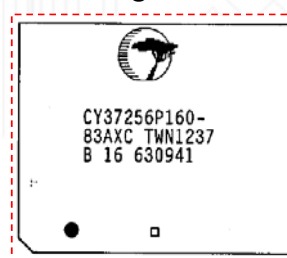
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY37128VP160-125AXC



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

Example Marking Format: : CY37256P160-83AXC



### Example: (ASE Taiwan)

Line 1: CY37256P160-  
Line 2: 83AXC TWN 1237  
Line 3: B 16 630941

Note: *For ASET Assembled: COO is added after the part number*

### Note:

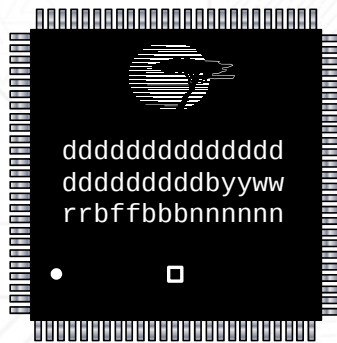
1. If Mkt PN is >14 characters, break the Mkt. PN after the 14th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 14th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. If Mkt. 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)

Reference: 37-00001, Figure 22



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

## Using Gold (Au) Wire



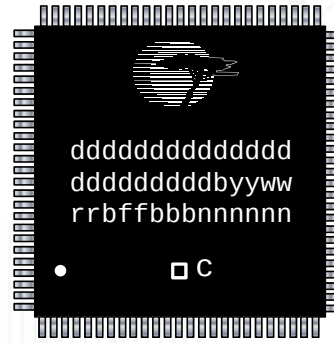
Lines 1 – 4: 14 characters per line

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

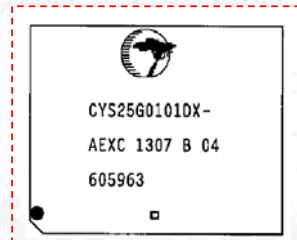
3<sup>rd</sup> line is the date code, backend revision and fab site

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

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

Example Marking Format: : : CY525G101DX-AEXC

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

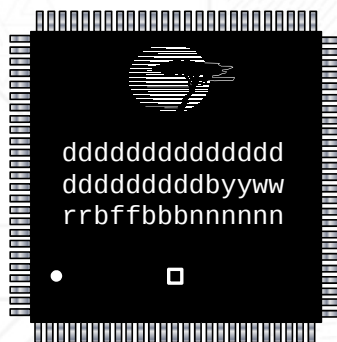


Note:

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

# PQFP 32L to PQFP 144L

## Using Gold (Au) Wire



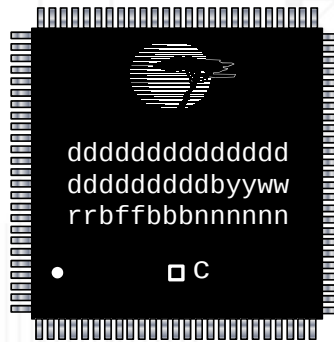
Lines 1 – 4: 14 characters per line

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 mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY7C136A-55NXI

Line 2: TWN1231 G 02  
Line 3: 628291

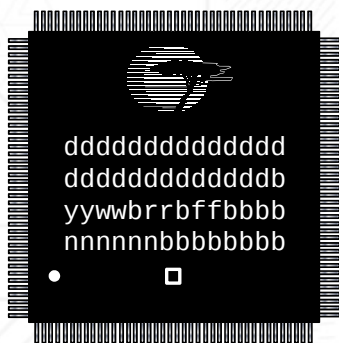


Note:

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

# PQFP 160L to PQFP 388L

## Using Gold (Au) Wire



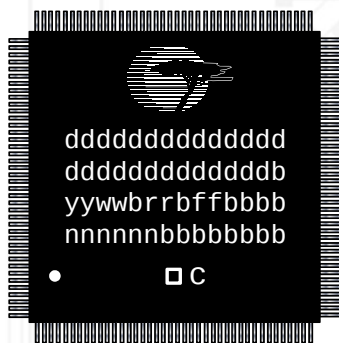
Lines 1 – 4: 14 characters per line

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

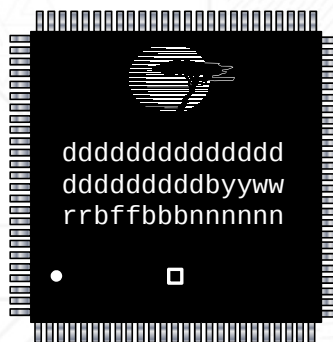
4<sup>th</sup> line is the lot code

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

# No Example Available

# CQFP 52L to CQFP 144L

## Using Gold (Au) Wire



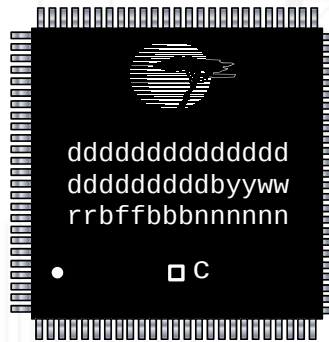
Lines 1 – 4: 14 characters per line

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

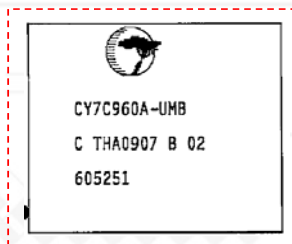
3<sup>rd</sup> line is the date code, backend revision and fab site

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

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

Example Marking Format: : : CY7C960A-UMB

Line 2: C THA0907 B 02  
Line 3: 605251

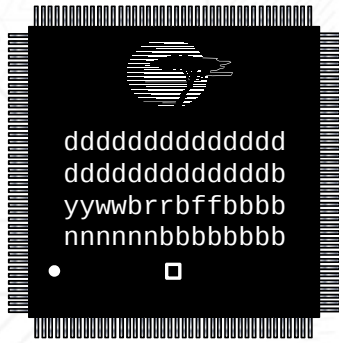


Note:

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

# CQFP 160L to CQFP 388L

## Using Gold (Au) Wire



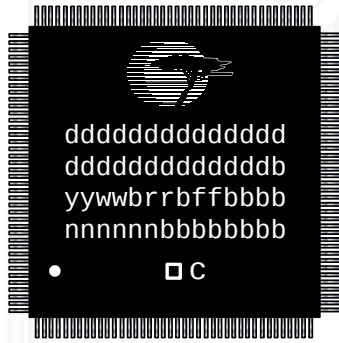
Lines 1 – 4: 14 characters per line

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

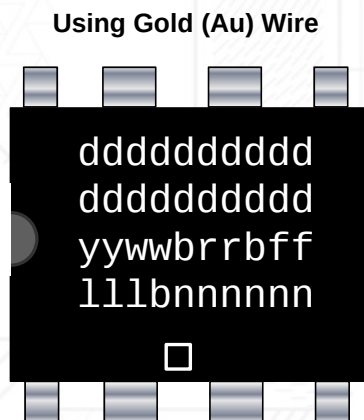
3<sup>rd</sup> line is the date code, backend revision and fab site

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

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

# No Example Available

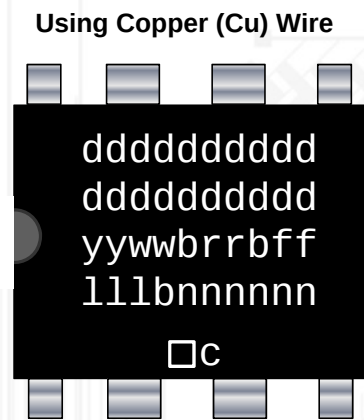
# PDIP 8L



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



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

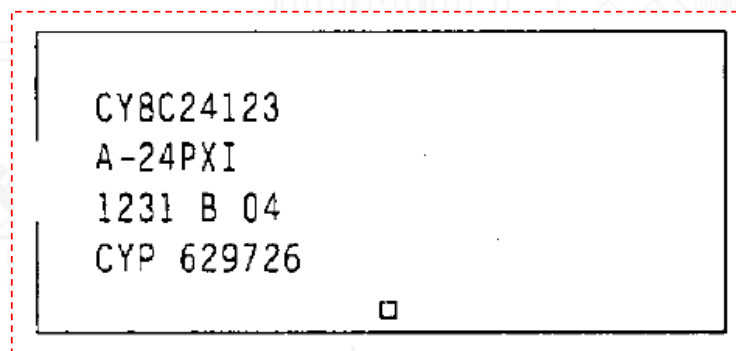
3<sup>rd</sup> line is the date code, backend revision and fab site

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

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

Example Marking Format: : CY8C24123A-24PXI

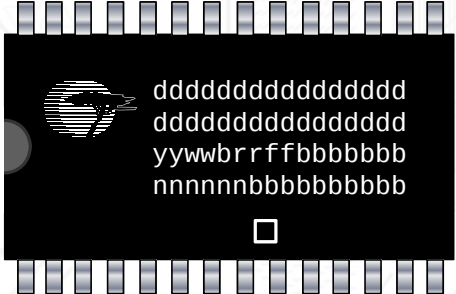
Line 1: CY8C24123  
Line 2: A-24PXI  
Line 3: 1231 B 04  
Line 4: CYP 629726



Packages :  
• PDIP8 – 300 mils

# PDIP 16L to PDIP 64L

Using Gold (Au) Wire



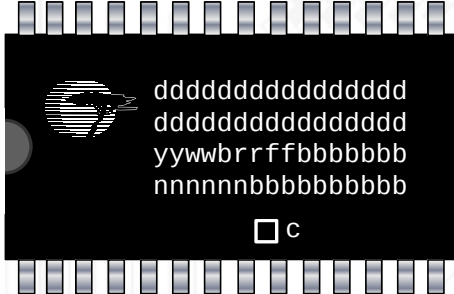
16 characters per line

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 "CYP" and the lot code

Using Copper (Cu) Wire



16 characters per line

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

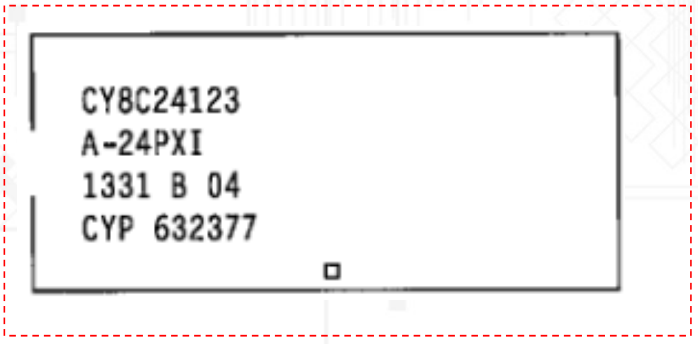
3<sup>rd</sup> line is the date code, backend revision and fab site

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

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

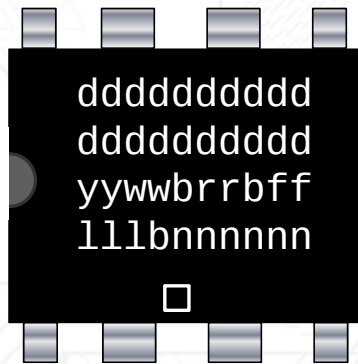
Example Marking Format: : CY8C24123A-24PXI

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



# CERDIP 8L

## Using Gold (Au) Wire



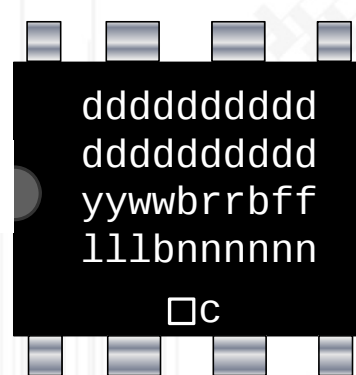
10 characters per line

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

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

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

## Using Copper (Cu) Wire



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 date code, backend revision and fab site

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

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

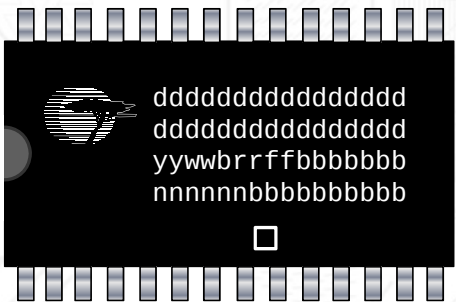
# No Example Available

Packages :

- CERDIP – 300 mils

# 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 characters per line

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

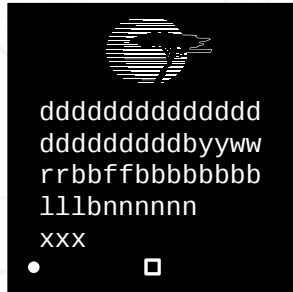
3<sup>rd</sup> line is the date code, backend revision and fab site

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

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

No Example Available

## Using Gold (Au) Wire



Lines 1 – 4: 14 characters per line

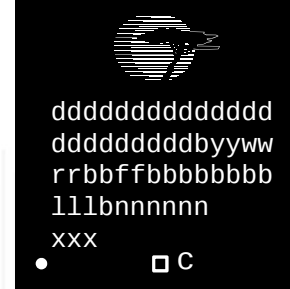
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww (date code) to the second line after the Mkt. PN.

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line

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

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

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

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

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

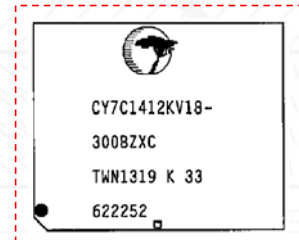
Example Marking Format: : : CY7C1412KV18-300BZXG

Note:

Package: BGA165

### Assembly Location: ASE Taiwan

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



### Assembly Location: CML Philippines

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



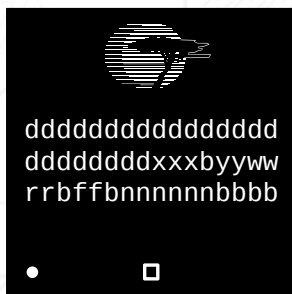
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.
2. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside the pin 1 indicator.

Packages :

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

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

## Using Gold (Au) Wire



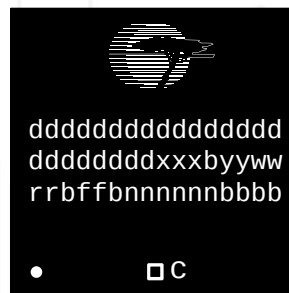
Lines 1 – 4: 16 characters per line

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 square mark (Pb-Free mark) denotes 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:

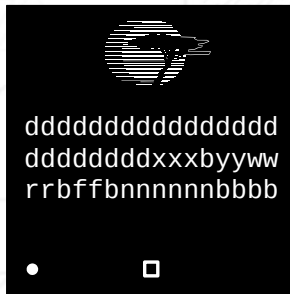
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.

Packages :

- BGA292, BGA388, BGA484 (1063 mils)

# L2BGA 256L

## Using Gold (Au) Wire



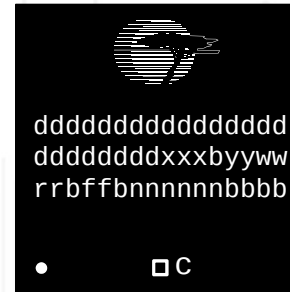
Lines 1 – 3: 16 characters per line

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

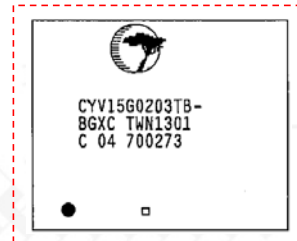
2<sup>nd</sup> line is the marketing part number followed by the COO and datecode

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

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

Example Marking Format: : CYV15G0203TB-BGXC

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

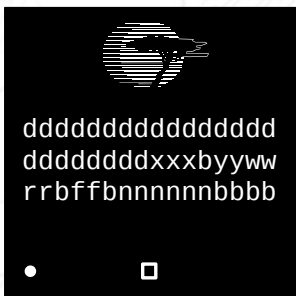


Note:

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

# FCBGA 361L (WITH HEAT SPREADER)

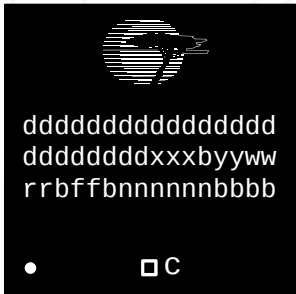
## Using Gold (Au) Wire



Lines 1 – 3: 16 characters per line

- 1<sup>st</sup> the marketing part number
- 2<sup>nd</sup> line is the marketing part number followed by the COO and datecode
- 3<sup>rd</sup> line is the backend revision, fab site and lot code

## Using Copper (Cu) Wire



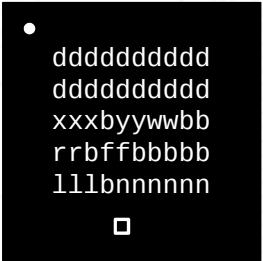
Lines 1 – 3: 16 characters per line

- 1<sup>st</sup> the marketing part number
- 2<sup>nd</sup> line is the marketing part number followed by the COO and datecode
- 3<sup>rd</sup> line is the backend revision, fab site and lot code
- The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

No Example Available

# BGA 36L to BGA 48L

## Using Gold (Au) Wire



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

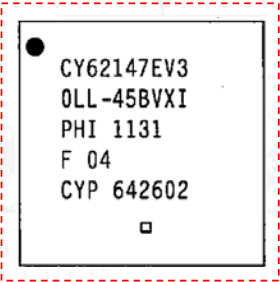
## Using Copper (Cu) Wire



- Lines 1 – 5: 10 characters per line
- 1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number
- 3<sup>rd</sup> line is the COO, and date code
- 4<sup>th</sup> line is the backend revision and fab site
- 5<sup>th</sup> line is 'CYP' and lot code
- The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY62147EV30LL-45BVXI

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



Note:

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

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

## Using Gold (Au) Wire



Lines 1 – 4: 13 characters per line

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

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 4: 13 characters per line

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

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

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

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

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

Example Marking Format: : CY14V101LA-BA45XI

Example Marking Format: : CYUSB3035-BZXI

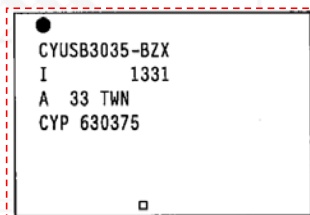
Line 1: CY14V101LA-BA  
Line 2: 45XI 1101  
Line 3: C 04 PHI  
Line 4: CYP 601532



Part Number: CYUSB3035-BZXI  
Package: BGA121

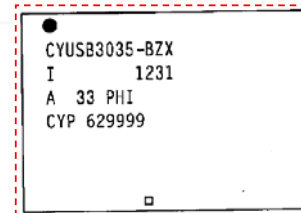
**Assembly Location: ASE Taiwan**

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



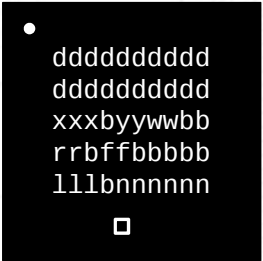
**Assembly Location: CML Philippines**

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



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

## Using Gold (Au) Wire



Lines 1 – 5: 10 characters per line

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

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 5: 10 characters per line

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

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

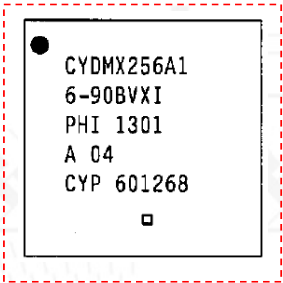
4<sup>th</sup> line is the backend revision and fab site

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

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

Example Marking Format: : CYDMX256A16-90BVXI

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



Note:

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

# VFBGA 60L/VFBGA 70L

## Using Gold (Au) Wire



- Line 1: 10 characters
- Lines 2 – 4: 11 characters per line
- Line 5: 3 characters
- 1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number
- 3<sup>rd</sup> line is the date code, backend revision and fab site
- 4<sup>th</sup> line is CYP' and lot code
- 5<sup>th</sup> line is the COO

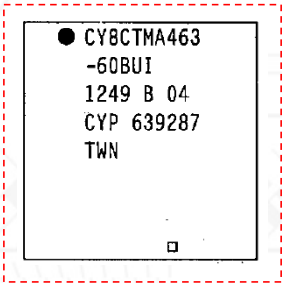
## Using Copper (CuPd) Wire



- Line 1: 10 characters
- Lines 2 – 4: 11 characters per line
- Line 5: 3 characters
- 1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number
- 3<sup>rd</sup> line is the date code, backend revision and fab site
- 4<sup>th</sup> line is CYP' and lot code
- 5<sup>th</sup> line is the COO

## Example Marking Format: : CY8CTMA463-60BUI

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



### Note:

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

### Packages :

- VFBGA 60/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.

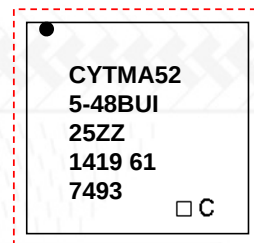
4<sup>th</sup> line (7 characters) is the datecode and lot code

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  
ddddd  
yywwbrffbb  
111bnnnnnb  
xxx  
□

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

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

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

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

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

## Using Copper (Cu) Wire

• dddddd  
ddddd  
yywwbrffbb  
111bnnnnnb  
xxx  
□ c

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

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

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

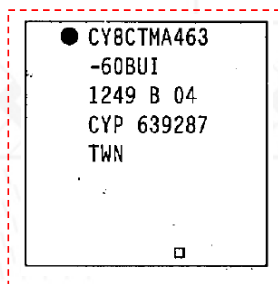
4<sup>th</sup> (11 characters) line is 'CYP' and lot code

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

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

## Example Marking Format: : CY8CTMA463-60BUI

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



Note:

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

Packages :

- UFBGA 60/UFBGA70 – 216 mils

# UFBGA 84L

## Using Gold (Au) Wire



Lines 1 – 4: 10 characters per line

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

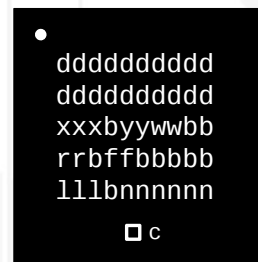
2<sup>nd</sup> line is the remaining marketing part number

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

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

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

## Using Copper (Cu) Wire



Lines 1 – 4: 10 characters per line

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

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

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

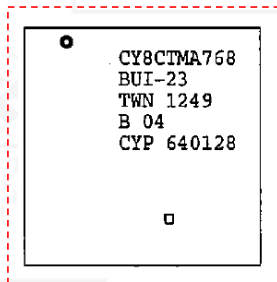
4<sup>th</sup> line is the backend revision, fab site

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

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

Example Marking Format: : CY8CTMA768BUI-23

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



Packages :

- UFBGA 84L – 236 mils

# PLCC 24L TO PLCC 32L

## Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

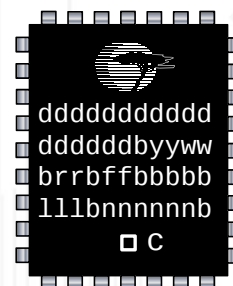
1<sup>st</sup> line is the marketing part number

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

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

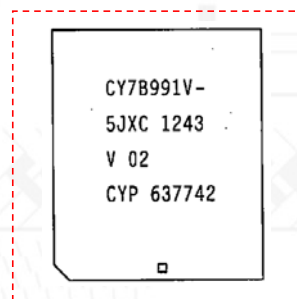
4<sup>th</sup> line is 'CYP' and the lot code

The 'C' beside the square mark (Pb-Free mark) denotes the use of 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 dash and 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

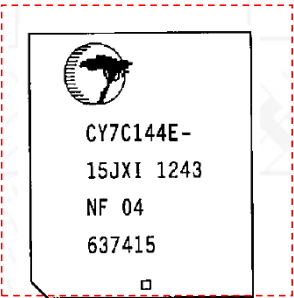
## Using Copper (Cu) Wire



- 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 square mark (Pb-Free mark) denotes the use of 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 and wrapping the rest on the second line.

# LCC 04L TO LCC 06L

## Using Gold (Au) Wire

•  
ddddddd  
dddbyww

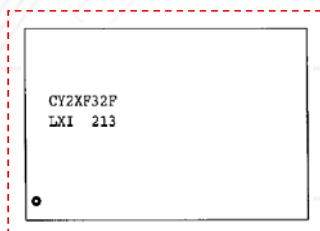
Lines 1 – 2: 8 characters per line

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

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

Example Marking Format: : CY2XF32FLXIT I

Line 1: CY2XF32F  
Line 2: LXI 213



# QFN 8L

## Using Gold (Au) Wire

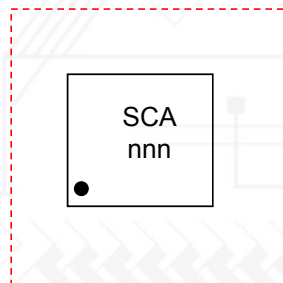


1<sup>st</sup> line (3 characters) is the 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> characters of marketing part number

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

Example Marking Format: CY22U1SCALGXC-00

Line 1: SCA  
Line 2: nnn

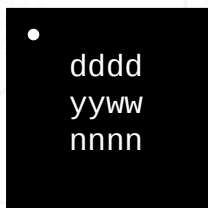


Packages :

- QFN8 = 3x3 mm

# QFN 16L

## Using Gold (Au) Wire



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

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

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

## Using Copper (Cu) Wire



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

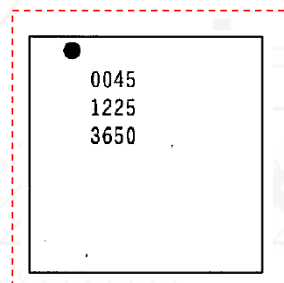
2<sup>nd</sup> line (4 characters) is the datecode

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

The 'C' denotes the use of copper wire.

Example Marking Format: CY8C20045-24LKXI

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

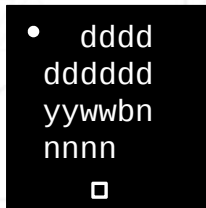


Packages :

- QFN16L = 3x3 mm

# QFN 16L/24L/28

## Using Gold (Au) Wire



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

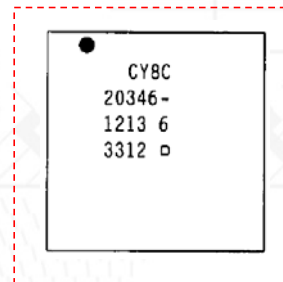
## Using Copper (Cu) Wire



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

Example Marking Format: CY8C20346-24LQXI

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



Note:

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

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

## Using Gold (Au) Wire

• dddddd  
ddddd  
yywbxxx  
nnnnn  
□

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

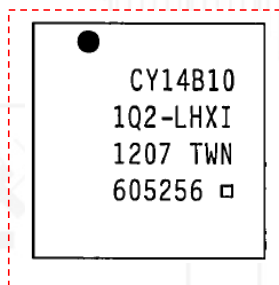
## Using Copper (Cu) Wire

• dddddd  
ddddd  
yywbxxx  
nnnnn  
□ c

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

Example Marking Format: CY14B101Q2-LHXI

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



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

## Using Gold (Au) Wire

• dddddd  
ddddd  
yywbxxx  
nnnnn  
AAA  
□

- 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

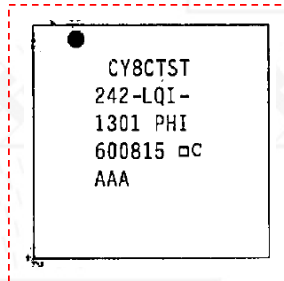
## Using Copper (Cu) Wire

• dddddd  
ddddd  
yywbxxx  
nnnnn  
AAA  
□ 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
- 5<sup>th</sup> line is the Strip ID for CML Autoline assembled only
- The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: 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 and wrap on 2nd line.
3. If dash is used on the 9th or 10th characters, ignore dash.
4. If total Mkt Part number exceed 15 characters, then first 15 characters will be mark on the unit (first and 2nd line will be used)

# QFN 40L/48/56L

## Using Gold (Au) Wire

• dddddd  
ddddd  
yywwbrbff  
111nnnnn  
xxx  
AAA □

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

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

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

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

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

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

## Using Copper (Cu) Wire

• dddddd  
ddddd  
yywwbrbff  
111nnnnn  
xxx  
AAA □ c

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

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

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

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

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

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

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

## Example Marking Format: CY8CTMA400-48LQI

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

● CY8CTMA4  
00-48LQI  
1307 B 04  
• CYP606450  
PHI □  
AAA

### NOTES:

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

### Packages :

- QFN40/48/56 – 6X6 mm

Reference: 37-00001, Figure 52

# 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

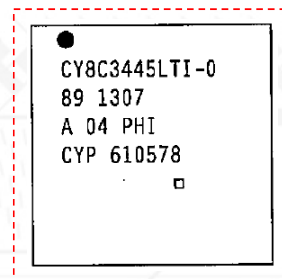
4<sup>th</sup> line is 'CYP' and lot code

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

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

## Example Marking Format: CY8C3445LTI-089

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

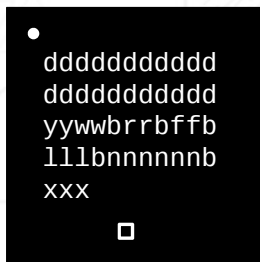


Packages :

- QFN48 – 7XX mm
- QFN56 – 8X8 mm

# QFN 48L/56L

## Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

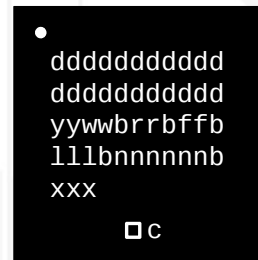
1<sup>st</sup> and 2<sup>nd</sup> line is the marketing part number

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

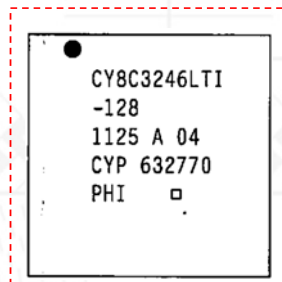
4<sup>th</sup> line is 'CYP' and lot code

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

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

Example Marking Format: : CY8C3246LTI-128

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



Packages :

- QFN 68L – 8x8x mm

# QFN 88L

## Using Gold (Au) Wire

•  
dddddddddd  
dddddddddd  
yywwbrrbffb  
111bnnnnnnb  
xxx  
AAA □

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

•  
dddddddddd  
dddddddddd  
yywwbrrbffb  
111bnnnnnnb  
xxx  
□ c

Lines 1 – 4: 11 characters per line

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

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

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

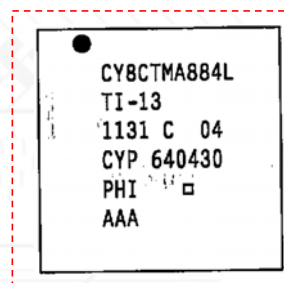
5<sup>th</sup> line (3 characters) is COO

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

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

## Example Marking Format: : CY8CTMA884LTI-13

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



Packages :  
• QFN88 – 8x8 mm

# 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

• CY-  
634  
949  
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

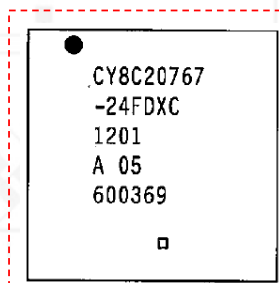
3<sup>rd</sup> line (9 characters) is the remaining part number and the date code

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

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

## Example Marking Format: : CY8C20767-24FDXCT

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



Packages :

- WLCSP30 – 2.2x2.3 mm

# WLCSP 49L

## Using Gold (Au) Wire



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

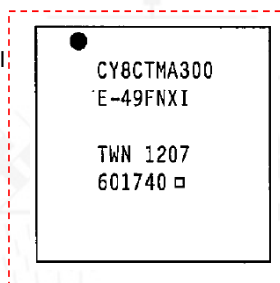
4<sup>th</sup> line (8 characters) is the COO and datecode

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

### Packages :

- WLCSP49 – 3.2.2x3.2 mm

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

## Using Gold (Au) Wire

• dddddd  
ddddd  
ddddd  
xxxbyyww  
rrff  
nnnnn  
□

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

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

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

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

---

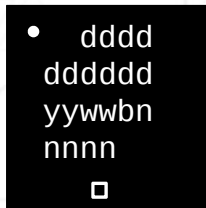
# No Example Available

## Packages :

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

# WLCSP 81L/131L

## Using Gold (Au) Wire



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

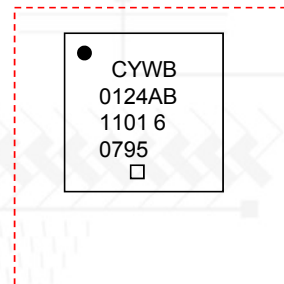
## Using Copper (Cu) Wire



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

## Example Marking Format : CYWB0124ABX-FDXIT

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



### Note:

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

# WLCSP 35L/60L/72L

## Using Gold (Au) Wire

•  
dddddddddd  
dddddddddd  
yywwbr rffb  
xxxbnnnnnn  
□

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

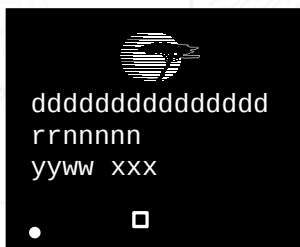
---

# No Example Available

Reference: 37-00001  
Figure 127

# FRAM PARTS

# FBGA 48L



Line 1: Marketing Part Number

Line 2: **rrnnnnnn**

where:

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

**nnnnnn** – Cy assembly lot#

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

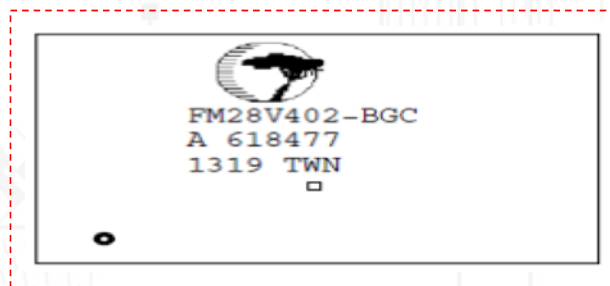
---

## Example Marking Format: : FM28V402-BGC

Line 1: FM28V402-BGC

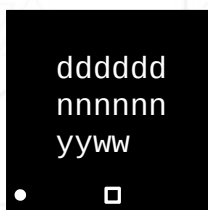
Line 2: A 618477

Line 3: C 1319 TWN



Reference: 37-00001, Figure 50  
PIN135228

# DFN 8L



Line 1: Truncated Marketing Part Number

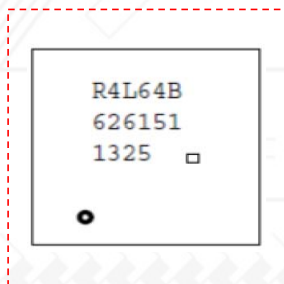
Line 2: **nnnnnn** - Cy assembly lot#

Line 3: **yyww** - Date Code

➤ 3x3mm 8 lead TDFN will NOT have square mark

Example Marking Format: : FM24CL64B-DG

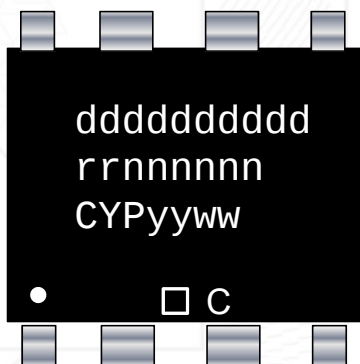
Line 1: R4L64B  
Line 2: 626151  
Line 3: 1325



Reference: 37-00001, Figure 48

PIN135228

# PDIP 8L



Line 1: Marketing Part Number

Line 2: rrnnnnnn

where:

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

nnnnnn - Cy assembly lot#

Line 3: CYPyyww

where:

CYP – Cypress

yyww- Date Code

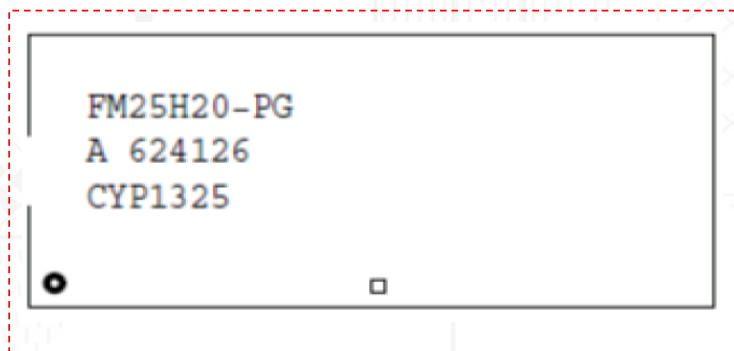
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: FM25H20-PG

Line 1: FM25H20-PG

Line 2: A 624126

Line 3: CYP1325



Package:

- PDIP 8L – 300 mils

# PDIP 28L



Line 1: Marketing Part Number

Line 2: rrYYWWnnnnnn

where:

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

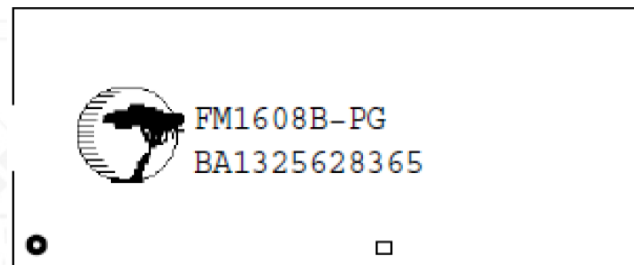
yyww - Date Code

nnnnnn - Cy assembly lot#

Example Marking Format: FM1608B-PG

Line 1: FM1608B-PG

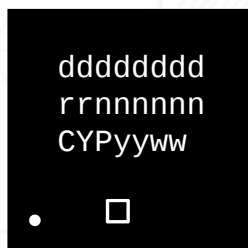
Line 2: BA1325628365



Package:

- PDIP 28L – 600 mils

# EIAJ 8L



Row1: Marketing Part Number

Row2: rrrrrrr

where:

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

nnnnnn - Cy assembly lot#

Row3: CYPyyww

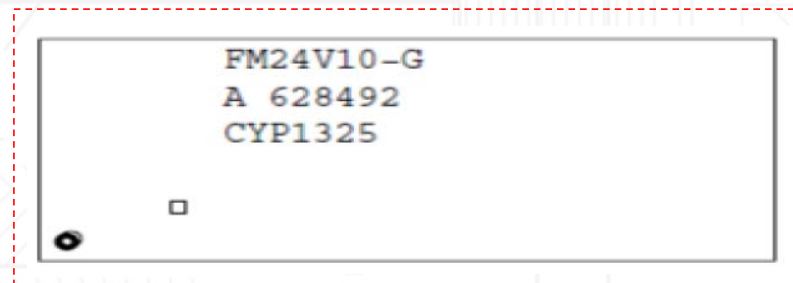
where:

CYP - Cypress

yyww - Date Code

Example Marking Format: FM24V10-G

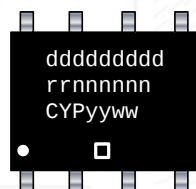
Line 1: FM24V10-G  
Line 2: A 628492  
Line 3: CYP1325



Package:

- EIAJ 8L – 209 mils

# SOIC 8L



Line 1: Marketing Part Number

Line 2: rrrrrrrrrr

where:

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

nnnnnn- Cy assembly lot# n

Line 3: CYPpyww

where:

CYP – Cypress

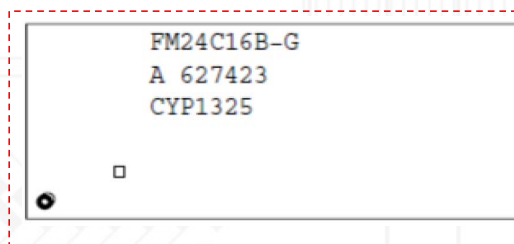
yyww- Date Code

-----  
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)

nnnnnn- Cy assembly lot#

Line 3: CYP yyww xxx

where:

CYP – Cypress

yyww – Date Code

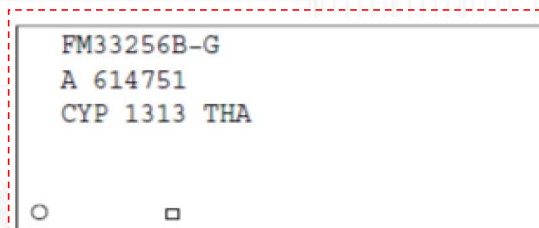
xxx – Country of origin

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

Line 1: FM33256B-G

Line 2: A 614751

Line 3: CYP 1313 THA



Package:

- SOIC 14 – 150 mils

# SOIC 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

# TSOP 44L



Line 1: Marketing Part Number

Line 2: rrrrrrrrr

where:

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

nnnnnn - Cy assembly lot

Row3: yyww xxx

where:

yyww – Date Code

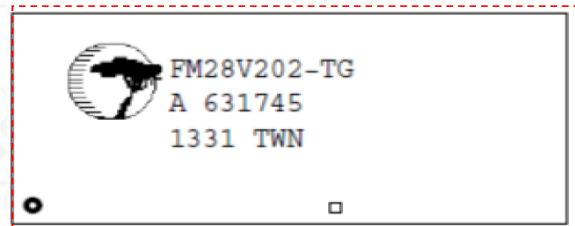
xxx – Country of origin

Example Marking Format: : FM28V202-TG

Line 1: FM28V202-TG

Line 2: A 631745

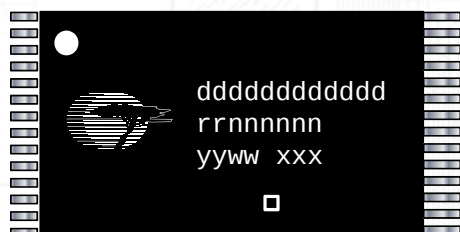
Line 3: 1331 TWN



Package:

- TSOP II 44 - 435 mils

# TSOP I



Line 1: Marketing Part Number

Line 2: rrnnnnnnnn

where:

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

nnnnnnn – Cy assembly lot#

Line 3: yyww xxx

where:

**yyww** – Date Code

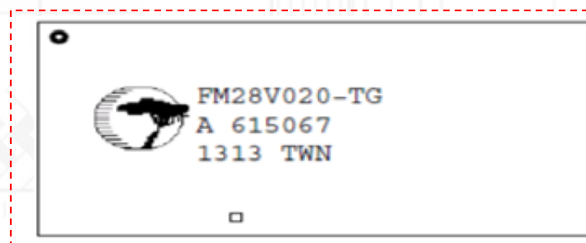
xxx – Country of origin

Example Marking Format: : FM28V020-TG

Line 1: FM28V020-TG

Line 2: A 615067

Line 3: 1313 TWN

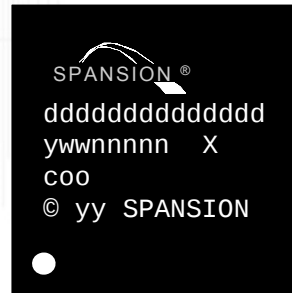


Package:

- TSOP 128
- TSOP 132

# FLASH PARTS

# FBGA



Logo - Spansion Logo

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

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

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

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

Example OPN:

S34ML01G100BHV000

S34ML04G100BHI000

S34ML01G100BHI000

S25FL256SAGBHIA10

S25FL256SAGBHIA13



**Packages:**

VBM063 / LAD080

V2B063 / FAA064

LAA064 / LAA080

VBK048 / LAE064

FAB024 / FAC024

Note:

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

# TSOP



Logo - Spansion Logo

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

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

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

## Example OPN:

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

Note:

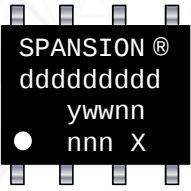


Package:

- TSOP 48
- TSOP 56

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

# SOIC 8L



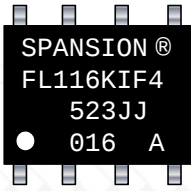
- 1<sup>st</sup> line – Logo line (SPANSION®)
- 2<sup>nd</sup> line – Part number (ddddddd)
- 3<sup>rd</sup> line – Date code (yw)
- 4<sup>th</sup> line – Date code, die code (nnn X)



- 1<sup>st</sup> line – Logo line (SPANSION®)
- 2<sup>nd</sup> line – Part number (ddddddd)
- 3<sup>rd</sup> line - Date code, Die Code (yw nnnn x)
- 4<sup>th</sup> line - Copyright (© yy)

Example OPN:

S25FL216K0PMFI041  
S25FL116K0XMF1040  
S25FL132K0XMF1041



SOIC 8 – 150 mils

Example OPN:

S25FL164K0XMF1011  
S25FL008A0LMF1001  
S25FL016A0LMF1010  
S25FL032P0XMF1010  
S25FL127SABMF1103



SOC 8 - 208 mils

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

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

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

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

Example OPN:

S25FL256SAGMFIG01  
S25FL512SAGMFI011  
S25FL256SAGMFI000  
S25FL128SAGMFI003  
S25FL128SAGMFMG00  
S25FL064P0XMFI001



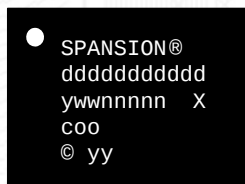
Note:

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

# USON/WSO

Package code:

**WNA008 / UNE008 / WNF008 / WNG008  
/ WNH008**



Logo - SPANSION ®

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

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

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

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

Example OPN:

S25FS256SAGNFI001

S25FS256SAGNFI003

S25FS512SAGNFI001

S25FS512SAGNFI003



Package:

- WNA008
- UNE008
- WF008
- WNG008
- WNH008

Note:

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

# PLCC 32L



PL032

Logo - Spansion Logo

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

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

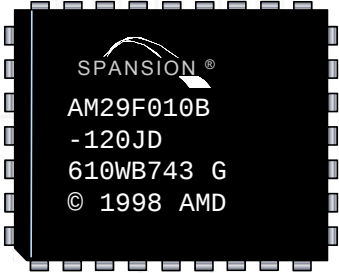
3<sup>rd</sup> line – Date code, die code  
(ywwnnnnn X)

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

Example OPN:

AM29F010B-120JD

AM29F040B-120PD

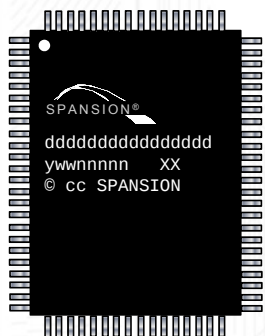


Note:

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

# PQFP 80L

PQR080



Logo - Spansion Logo

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

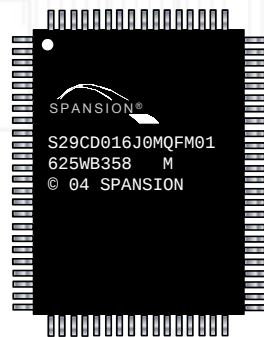
2<sup>nd</sup> line – Date code, die code  
(ywnnnn X)

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, nnnnn= location code, X= die code

# IoT PARTS

# FBGA/LGA/FCBGA/QFN

P1Bddddddddd  
ddddddddddddd  
YwwBRRBFF  
111BNNNNNN  
xxxbsqbc

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

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

## Note:

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

Example Marking Format: CYW20734UA1KFFB3G.

● CYW20734  
UA1KFFB3G  
1633 AB 04  
CYP 645842  
TWN □ C

## Packages: (mm)

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

# QFN 40L

P1Bddddddddd  
ddddddddd  
YwwBRRBFF  
111BNNNNNN  
xxxbsqbc

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

## Note:

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

Example Marking Format: CYW20736A1KWBG

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

Package: (mm)  
• QFN40 – 6X6

# FBGA

P1Bddddddddd  
ddddddddd  
YwwBRRB  
FFBNNNNNN  
xxxbbbsqbc

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

## Note:

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

Example Marking Format: CYW20733A2KML1G

● CYW207  
33A2KML1G  
1633 AB  
04 645842  
TWN □ C

Package: (mm)

- FBGA66 – 5.5X4.5
- FBGA72 – 5.5X5

# FBGA/QFN

P1Bddddddddd  
ddddddddd  
DDBYww  
NNNNN  
xxxbsqbc

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

## Note:

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

Example Marking Format: CYW2046SB1KUFBG

● CYW20  
46SB1KUF  
BG 1633  
645842  
TWN □ C

Packages: (mm)

- FBGA65 – 5x5
- QFN32/QFN40 – 5X5

# FBGA 65

P1Bddddddddd  
ddddddddd  
DD  
YwwbNNNNNN  
xxxbsqbc

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

## Note:

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

Example Marking Format: CYW20713A1KUFBXG

● CYW2  
713A1KU  
FBXG  
633 842  
TWN □ C

Packages: (mm)

- FBGA65 – 4.5X4

# FCBGA 49

P1Bddddddddd  
ddddddddd  
DD  
YwwbNNNNNN

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

## Note:

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

Example Marking Format: CYW20704UA1KFFB1G

● CYW2  
713A1KU  
FBXG  
633 842  
TWN □ C

Packages: (mm)  
• FCBGA49 – 4.5X4

# LGA

P1Bddddddddd  
ddddddddd  
DD  
NNNNNN

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

#### Note:

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

Example Marking Format: CYW20732Y

● CYW  
20732  
Y 633  
842

Packages: (mm)  
• LGA27: 3.2X3.5

# WLCSP

P1Bddddddddd  
dddddd  
YwwBRRBFF  
NNNNNN  
xxxbbbsqbc

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

## Note:

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

Example Marking Format: CYW43241XFKWBG

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

## Packages: (mm)

- WLCSP : 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

# WLCSP

P1Bddddddddd  
dddddd  
YwwBRRB  
FFBNNNNNN  
xxxbsq

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

## Note:

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

Example Marking Format: CYW20736A1KWBG

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

Packages: (mm)

- WLCSP69: 4.53X2.93
- WLCSP/WLCSP36: 2.51X2.77

# WLCSP

P1Bddddddddd  
dddddd  
YwwBRRB  
FFBNNNNNN  
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 Part Number
- YYWW: YY Datecode, WW Work Week
- RR: Backend Part Number
- FF: Fab location
- LLL: CYP

Example Marking Format: CYW20736A1KWBG

● CYW207  
36A1KWBG  
1633 TWN  
645842  
CCC-RRR

Packages: (mm)

- WLCSP80: 2.16X2.18

# HISTORY PAGE

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

# HISTORY PAGE

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

# End of Memo