



**THE DATASHEET OF
CY8CTMA884LT1-13**





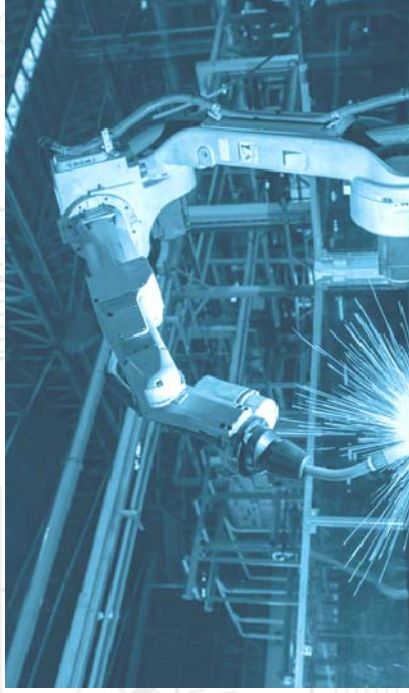
CYPRESS MARKING FORMAT

July 2017

▪ Note:

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

▪ The diagrams below is based on the latest Cypress Marking Spec 37-00001 Rev.. JB



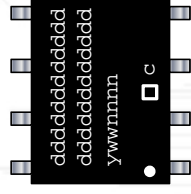
LEGEND:

Character	Meaning	Remarks
b	Blank Space	
d	Marketing Part Number	
lll	CYP	ll = CY llllllll = CYPRES
ff	Fab Location	
rr	Backend Part Revision	
yyww	Date Code	yy = last two digit of the year ww = Workweek
nnnnnn	Mark Lot Number	nnnnnn = First and last five digit of Lot Number nnnn = last four digit of Mark Lot Number
xxx	Country of Origin	xxxx = COO with “.” at the end Ex. PHI.
C	Copper Wire Part	

SOIC 8L

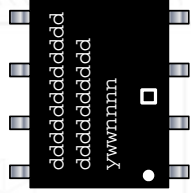
- 1st line (12 characters) marketing part number
 - 2nd line (10 characters) rest of the marketing number
 - 3rd line (7 characters) date code and lot
- The 'C' beside (Pb-Free mark) use of copper wire

Using Copper (Cu) Wire



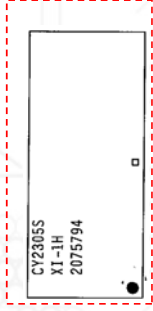
- 1st line (12 characters) is the marketing part number
- 2nd line (10 characters) is the rest of the marketing part number
- 3rd line (7 characters) is the date code and lot code.

Using Gold (Au) Wire



Example Marking Format: CY2305SXI-1H

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

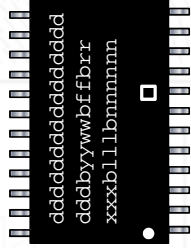


Note:

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

SOIC 14L/SOIC 16L

Using Gold (Au) Wire

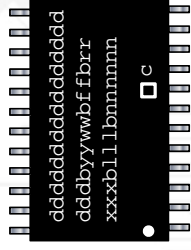


1st line (16 characters) is the marketing part number

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

3rd line is the COO, 'CYP' and lot code.

Using Copper (Cu) Wire



1st line (16 characters) is the marketing part number

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

3rd line is the COO, 'CYP' and lot code.

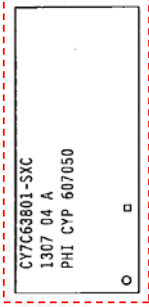
The 'C' beside (Pb-Free mark) indicates use of copper wire

Example Marking Format: : CY7C63801-SXC.

Line 1: CY7C63801-SXC

Line 2: 1307 04 A

Line 3: PHI CYP 607050

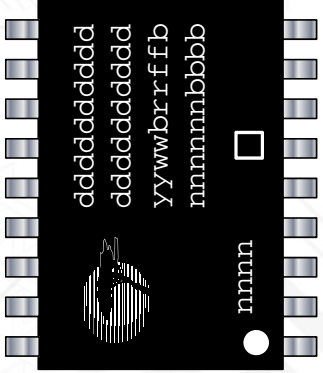


Note:

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

SOIC 16L/SOIC 18L

Using Gold (Au) Wire



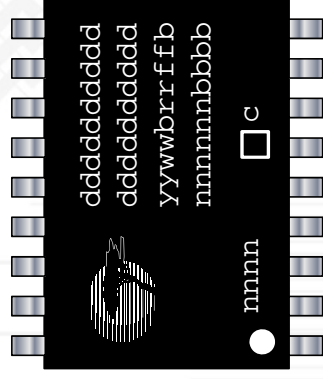
Lines 1 – 4: 10 characters per line
Line 5: 4 characters

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

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

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. If Mkt. PN on line 2 contains s5 char, move yyww to the second line after the Mkt. PN separated with a blank then wrap the rfff to the left.

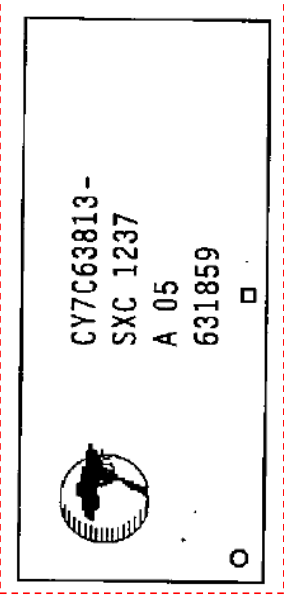
3rd line is the date code, backend revision and fab site. If BE Part Rev has only one character, use rfff format instead of rfff

4th line is the lot code

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

Example Marking Format: : CY7C63801-SXC.

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

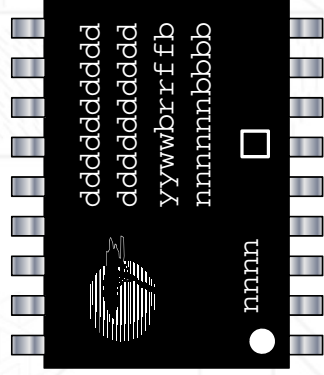


Note:

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

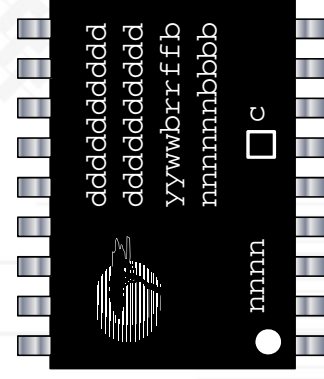
SOIC 20L/SOIC 24L

Using Gold (Au) Wire



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

Using Copper (Cu) Wire



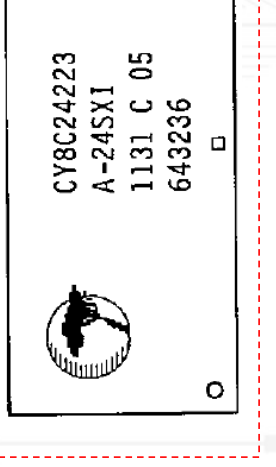
Lines 1 – 4: 10 characters per line
Line 5: 4 characters
1st and 2nd line is the marketing part number.
3rd line is the date code, backend revision and fab site
4th line is the lot code
The 'C' beside the square symbol indicates Pb-Free material. The use of copper wire is required for Pb-Free material.

Example Marking Format: : CY8C24223A-24SXI

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

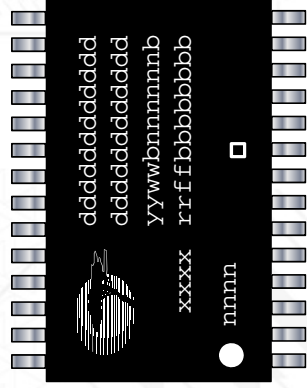
Note:

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

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

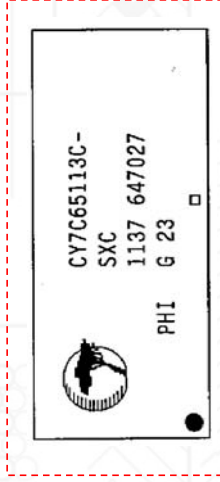
3rd line is the date code and lot code

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

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

Example Marking Format : CY7C65113C-SXC

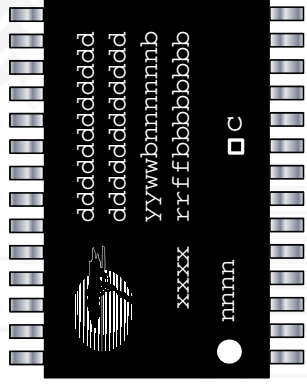
Line 1: CY7C65113C-
Line 2: SXC
Line 3: 1137 647027
Line 4: PHI G 23



Note:

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

Using Copper (Cu) Wire



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

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

3rd line is the date code and lot code

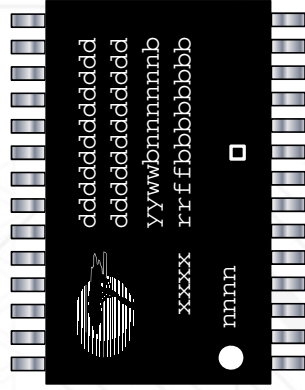
4th line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

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

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

SOIC 28L/SOIC 44L (SNC – GULL WING)

Using Gold (Au) Wire



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

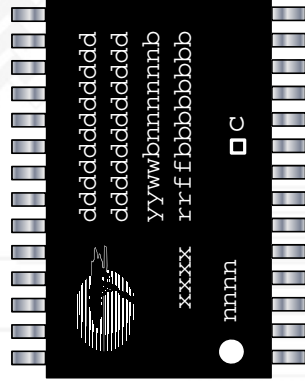
1st and 2nd line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

3rd line is the date code and lot code

4th 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

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

3rd line is the date code and lot code

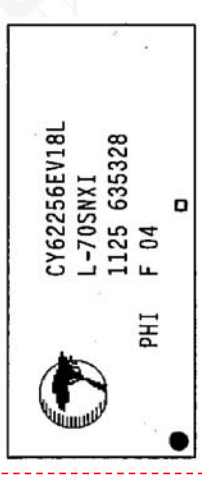
4th line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

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

The 'C' beside the package marking denotes the Country of Origin (COO).

Example Marking Format : CY62256EV18LL-70SNXI

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

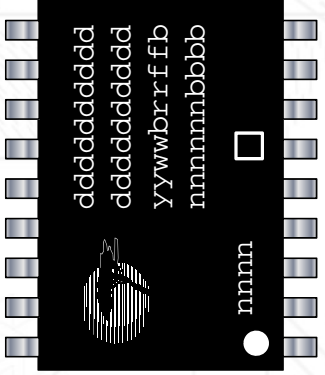


Note:

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

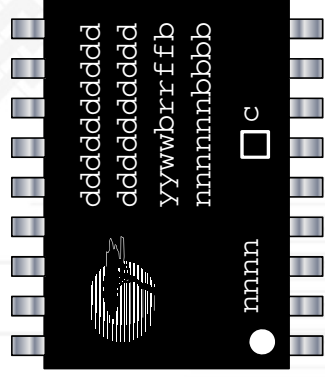
SOJ 16L/SOJ 18L

Using Gold (Au) Wire



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

Using Copper (Cu) Wire



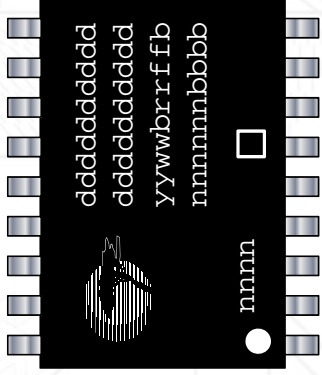
Lines 1 – 4: 10 characters per line
Line 5: 4 characters
1st and 2nd line is the marketing part number.
3rd line is the date code, backend revision and fab site
4th line is the lot code

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

No Example Available

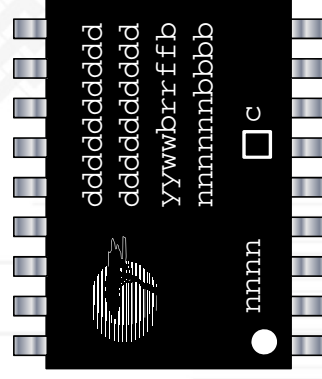
SOJ 20L/SOJ 24L

Using Gold (Au) Wire



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



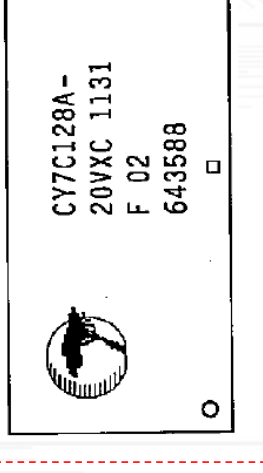
Lines 1 – 4: 10 characters per line
Line 5: 4 characters
1st and 2nd line is the marketing part number.
3rd line is the date code, backend revision and fab site
4th line is the lot code
The 'C' beside the square symbol indicates Pb-Free material. The use of copper wire is not permitted for Pb-Free material.

Example Marking Format : CY7C128A-20VXC

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

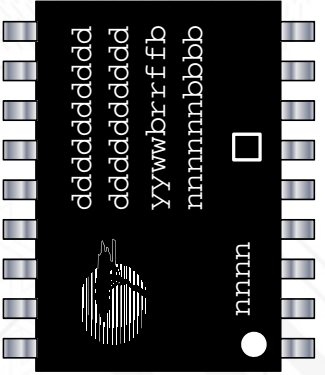
Note:

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



SOJ 28L - SOJ 44L

Using Gold (Au) Wire

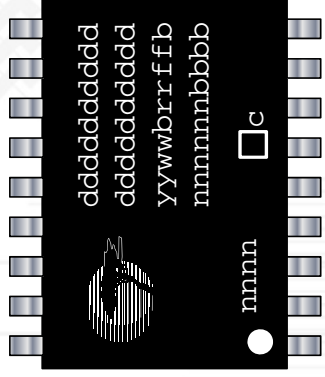


Lines 1 – 4: 12 characters per line
Line 5: 4 characters

1st and 2nd 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.

3rd 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

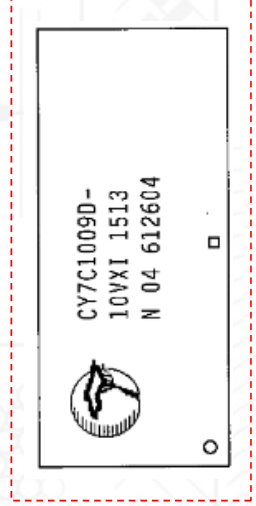
1st and 2nd line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN and date code.

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

The 'C' beside the square is the Free mark) d wire.

Example Marking Format: : CY7C1009D-10VXI

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

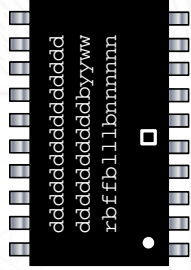


Note:

1. If Mkt PN is >12 characters, break the Mkt. PN after the 1st 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 mark lot number (nnnnn)
4. For Non-MIA devices, mark last four digits of the assembly number (nnnn) beside the pin 1 indicator.

SSOP 20L/SSOP 28L

Using Gold (Au) Wire



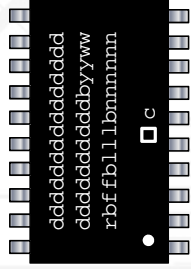
Lines 1 – 3: 15 characters per line

1st line is the marketing part number

2nd line is the remaining marketing part number and datecode

3rd line is the backend revision, fab site, 'CYP' and lot code

Using Copper (Cu) Wire



Lines 1 – 3: 15 characters per line

1st line is the marketing part number

2nd line is the remaining marketing part number and datecode

3rd line is the backend revision, fab site, 'CYP' and lot code

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

Example Marking Format : CY8C21334-24PVXI

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

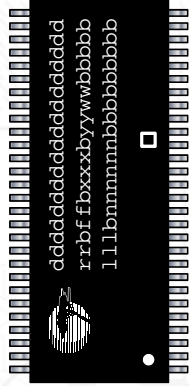
CY8C21334-
24PVXI 1307
A 05 CYP 607009

Packages :

- SOJ20 - 209
- SOJ28 - 209

SSOP 48L/SSOP 56L

Using Gold (Au) Wire



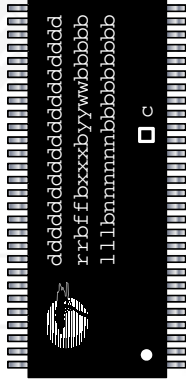
Lines 1 – 3: 19 characters per line

1st line is the marketing part number

2nd line backend revision fab site, COO and date

3rd line is the 'CYP' and the lot code

Using Copper (Cu) Wire



Lines 1 – 3: line

1st is the marketing number

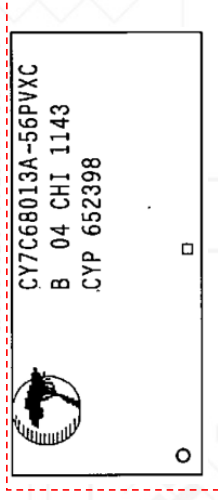
2nd line backend revision, COO and date

3rd line is the lot code

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

Example Marking Format: : CY7C68013A-56PVXC

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



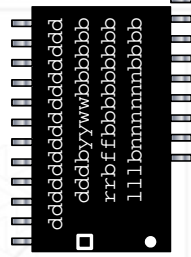
QSOP 20L/QSOP 28L

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

3rd line (14 characters) revision and fab site.

4th line is the 'CYP' beside Free mark) den wire.

Using Gold (Au) Wire

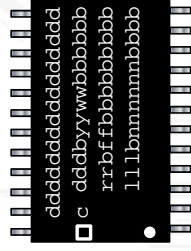


1st and 2nd line (16 characters) is the marketing part number. If total Mkt Part number characters exceed 16 characters, then first 16 characters will be mark on the unit (first and 2nd line will be used). This will be followed by the datecode.

3rd line (14 characters) is the backend revision and fab site.

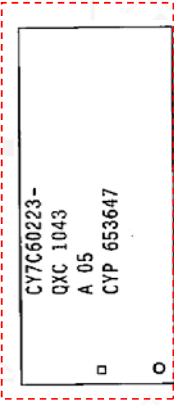
4th line is the 'CYP' and lot code.

Using Copper (Cu) Wire



Example Marking Format: : CY7C60223-QXC

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

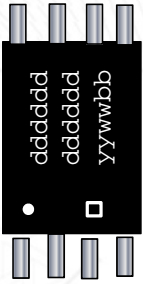


NOTES:

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

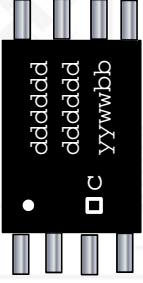
TSSOP 8L

Using Gold (Au) Wire



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

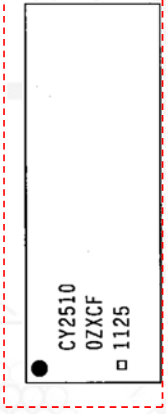
Using Copper (Cu) Wire



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

Example Marking Format: : CY25100ZXCFC

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



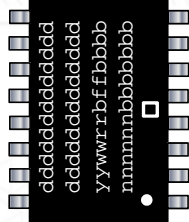
Note:

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

TSSOP 16L/TSSOP 14L

Lines 1 – 4: 13

Using Gold (Au) Wire



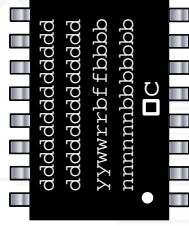
Lines 1 – 4: 13 characters per line

1st and 2nd 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).

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

4th line is the lot code

Using Copper (Cu) Wire



1st and 2nd line number. If total characters exceed first 13 characters unit (first and 2

3rd line is the date revision, fab site

4th line is the lot

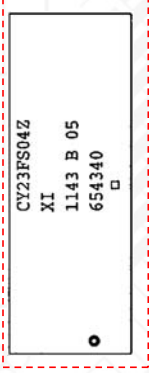
The 'C' beside Free mark) denotes wire.

Example Marking Format : CY23FS04ZXIT

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

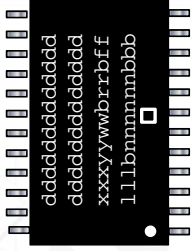
NOTES:

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.



TSSOP 20L/TSSOP 38L

Using Gold (Au) Wire



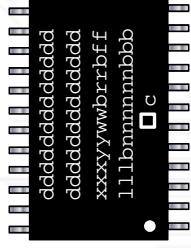
Lines 1 – 4: 13 characters per line

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

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

4th line is the 'CYP' and lot code

Using Copper (Cu) Wire



Lines 1 – 4: 13 characters per line

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

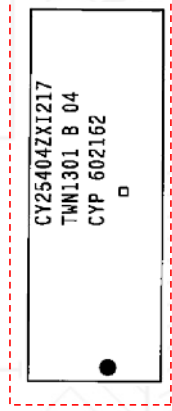
3rd line is the COO, date code, backend revision, fab site

4th line is the 'CYP' and lot code

The 'C' beside the mark) denotes

Example Marking Format : CY25404ZXI217

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



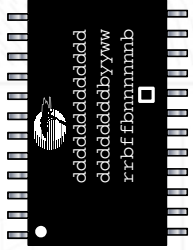
NOTES:

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

TSSOP 20L/TSSOP 32L (REVERSE OPTION)

Lines 1 – 3: 13 c

Using Gold (Au) Wire

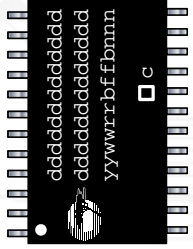


Lines 1 – 3: 13 characters per line

1st and 2nd 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.

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

Using Copper (Cu) Wire



1st and 2nd 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.

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

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

Example Marking Format : : CY62256VNULL-70ZRXI

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

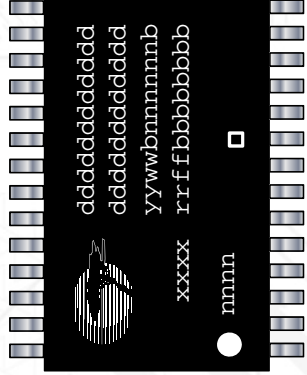


NOTES:

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

TSOP II 32L to TSOP II 54L

Using Gold (Au) Wire



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

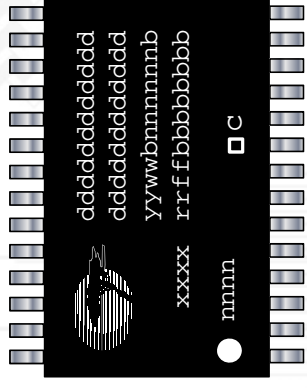
1st and 2nd line is the marketing part number. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

3rd line is the date code and lot code

4th line is the backend revision and fab site.

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

Using Copper (Cu) Wire



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

1st and 2nd 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.

3rd line is the date code and lot code

4th line is the backend revision and fab site.

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

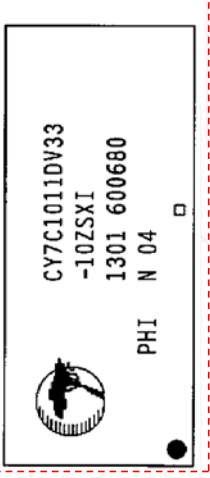
The 'C' beside the 'C' denotes the Country of Origin (COO) – for Packages with no engraved COO.

Example Marking Format: : CY7C1011DV33-10ZSXI

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

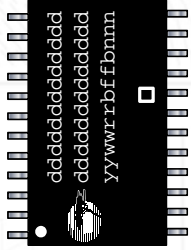
Note:

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



TSOP 28L/TSOP 48L

Using Gold (Au) Wire



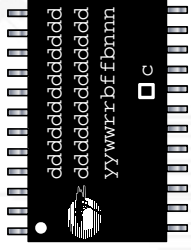
Lines 1 – 3: 13 characters per line

1st line is the marketing part number.

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

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

Using Copper (Cu) Wire



Lines 1 – 3: 13

1st line is the m

2nd line is the m
if > 13 chars an

3rd line is backe
and the lot code

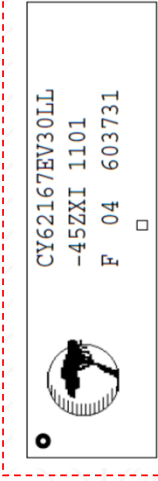
The 'C' beside t
Free mark) den
wire.

Example Marking Format: : CY62167EV30LL-45ZXI

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

NOTES:

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



STSOP 32L

Using Gold (Au) Wire



Lines 1 – 3: 13 characters per line

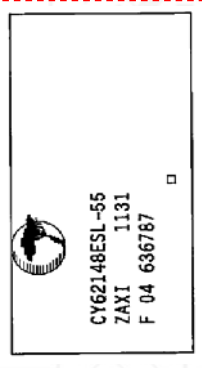
1st line is the marketing part number

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

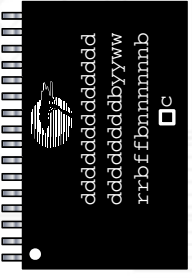
3rd line is the backend revision, fab site and the lot code

Example Marking Format : CY62148ESL-55ZAXI

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



Using Copper (Cu) Wire



Lines 1 – 3: 13 line

1st line is the marketing number

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

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

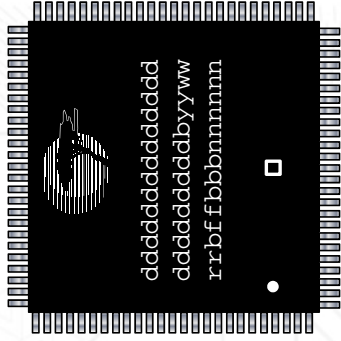
The 'C' beside (Pb-Free mark) use of copper wire

NOTES:

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

TQFP 32L to TQFP 144L

Using Gold (Au) Wire

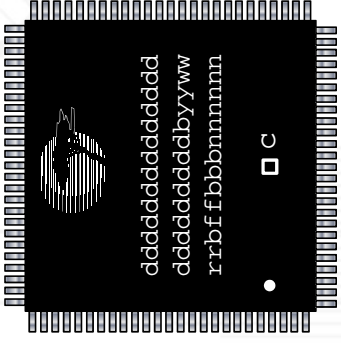


Lines 1 – 4: 14 characters per line

1st and 2nd line is the marketing part number. If Mkt. PN on line 2 contains s5 char, move yyww to the second line after the Mkt. PN.

3rd line is backend revision, fab site and lot code

Using Copper (Cu) Wire



Lines 1 – 4: 14

1st and 2nd line number. If Mkt. PN on line 2 contains s5 char, move yyww to the second line after the Mkt. PN.

3rd line backend revision, fab site and lot code

The 'C' beside Free mark) denotes wire.

Example Marking Format : CY8C5468AXI-LP106

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

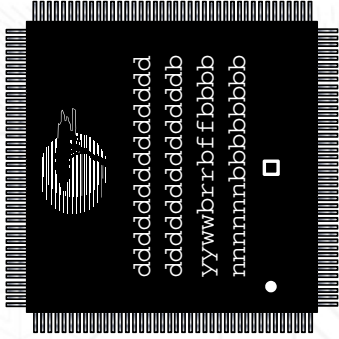
Note:

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



TQFP 160L to TQFP 388L

Using Gold (Au) Wire



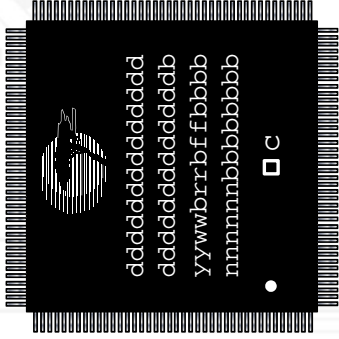
Lines 1 – 4: 14 characters per line

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

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

4th line is the lot code

Using Copper (Cu) Wire



Lines 1 – 4: 14

1st and 2nd line part number. If characters, move then succeeding

3rd line is the date revision and fab

4th line is the lot

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

Example Marking Format: CY37128VP160-125AXC 1137 B 16



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



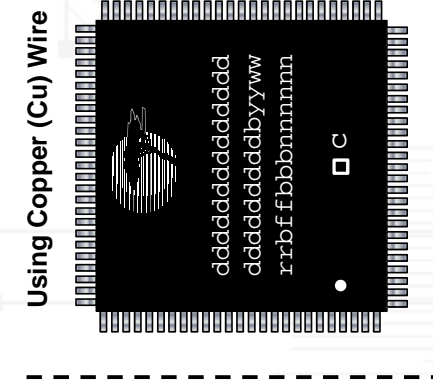
Example:
Line 1: CY37
Line 2: 83A
Line 3: B 16
Note: For A added after

Note:

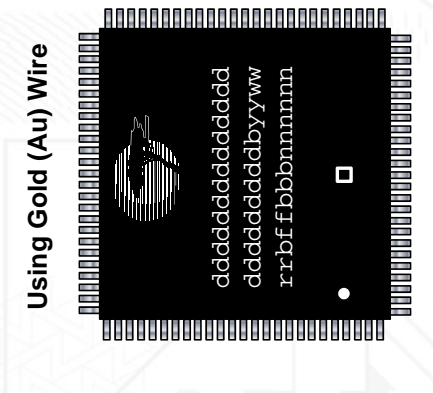
1. If Mkt PN is > 14 characters, break the Mkt. PN after the 14th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 14th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN separated with a blank then move the rrbff to the left followed by a blank (b) and the 6 digit mark lot number (nnnnnn)

TQFP 32L to TQFP 144L (EXPOSED PAD)

Lines 1 – 4:
 1st and 2nd line
 If Mkt. PN on
 yyww to the s
 3rd line is the
 and fab site
 4th line is the
 The 'C' beside
 mark) denote



Lines 1 – 4: 14
 characters per line
 1st and 2nd 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.
 3rd line is the date code,
 backend revision and fab
 site
 4th line is the lot code



Example Marking Format : : CY525G101DX-AEXC

Note:

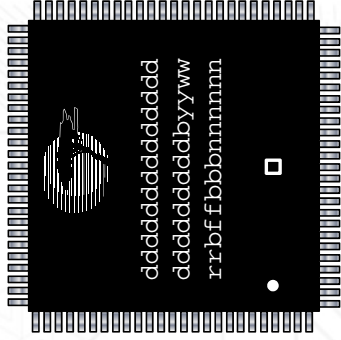
1. If length of Mkt Part Number exceeds the maximum characters on Line 1, split the Mkt Part Number after wrapping the rest on the second line.
2. For Non-MIA devices, mark last four digits of the a number (nnnn) beside the pin 1 indicator.

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



PQFP 32L to PQFP 144L

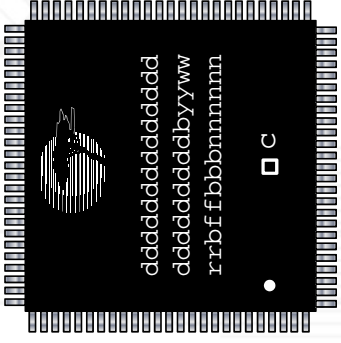
Using Gold (Au) Wire



Lines 1 – 4: 14 characters per line

1st and 2nd 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
3rd line is the date code, backend revision and fab site
4th line is the lot code

Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line
1st and 2nd 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
3rd line is the date code, backend revision and fab site
4th line is the lot code
The 'C' beside the marking indicates Free mark) device. See the wire.

Example Marking Format: : CY7C136A-55NXI

Line 2: TWW1231 G 02
Line 3: 628291

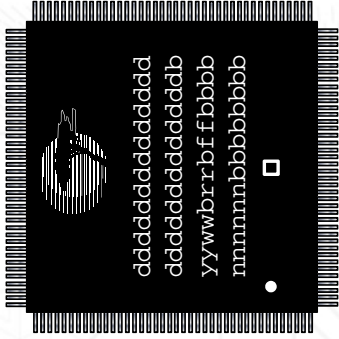


Note:

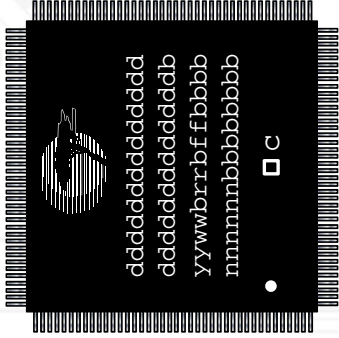
1. If length of Mkt Part Number exceeds characters on Line 1, split the Mkt Part wrapping the rest on the second line.
2. For Non-MIA devices, mark last four digit number (nnnn) beside the pin 1 indicator.

PQFP 160L to PQFP 388L

Using Gold (Au) Wire



Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line

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

Lines 1 – 4: 14 characters per line

1st and 2nd line is the marketing part number

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

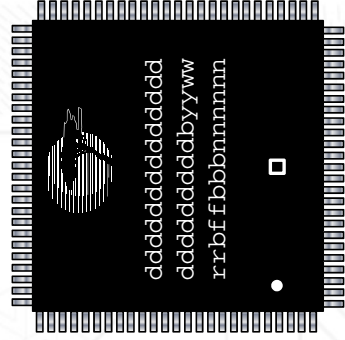
4th line is the lot code

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

No Example Available

CQFP 52L to CQFP 144L

Using Gold (Au) Wire



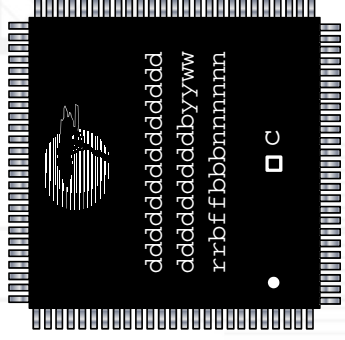
Lines 1 – 4: 14 characters per line

1st and 2nd 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

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

4th line is the lot code

Using Copper (Cu) Wire



Lines 1 – 4: 14

1st and 2nd line is the marketing part number. If contains ≤5 char, move yyww to the second line

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

4th line is the lot code

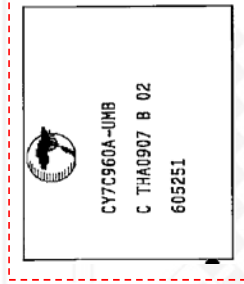
The 'C' beside the 'Pb-Free mark' (Pb-Free mark) copper wire.

Example Marking Format: : : CY7C960A-JMB

Line 2: C THA0907 B 02
Line 3: 605251

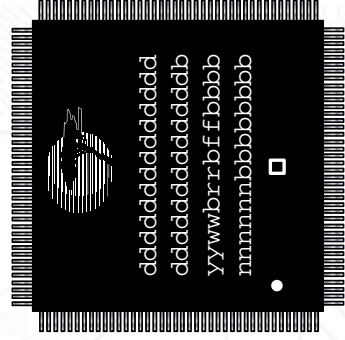
Note:

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



CQFP 160L to CQFP 388L

Using Gold (Au) Wire



Lines 1 – 4: 14 characters per line

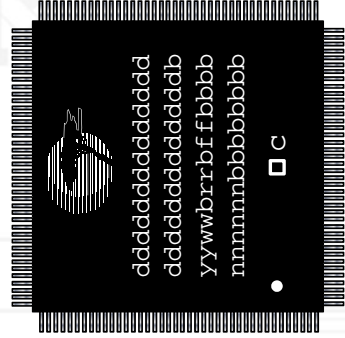
1st and 2nd line is the marketing part number

3rd line is the date code, backend

revision and fab site

4th line is the lot code

Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line

1st and 2nd line is the marketing part number

3rd line is the date code, backend

revision and fab site

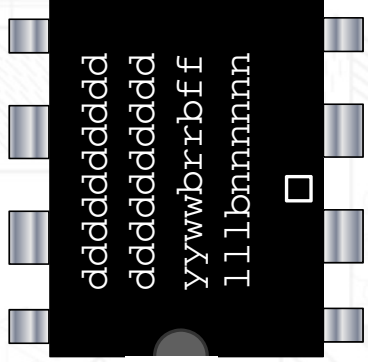
4th line is the lot code

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

No Example Available

PDIP 8L

Using Gold (Au) Wire

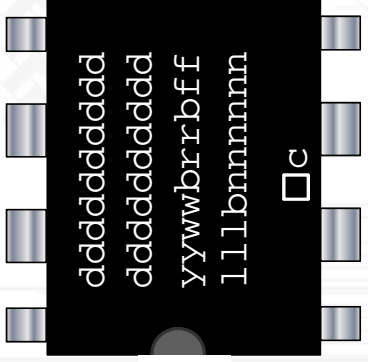


1st and 2nd line is the marketing part number.

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

4th line is the CYP and the lot code

Using Copper (Cu) Wire



1st and 2nd marketing

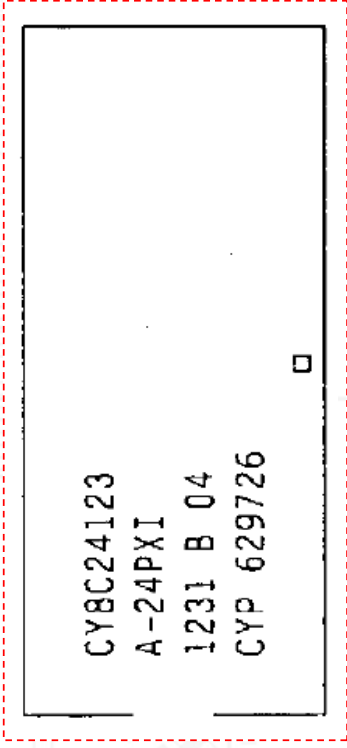
3rd line is backend site

4th line is the lot code

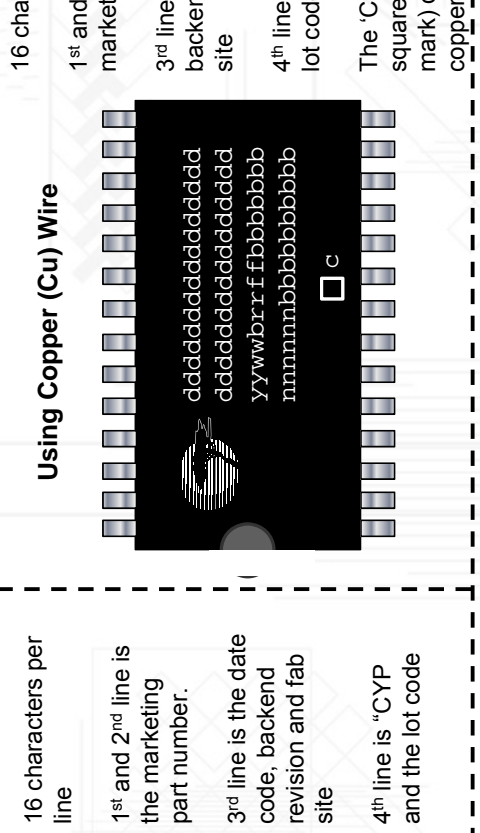
The 'C' (square mark) denotes copper wire

Example Marking Format : CY8C24123A-24PXI

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

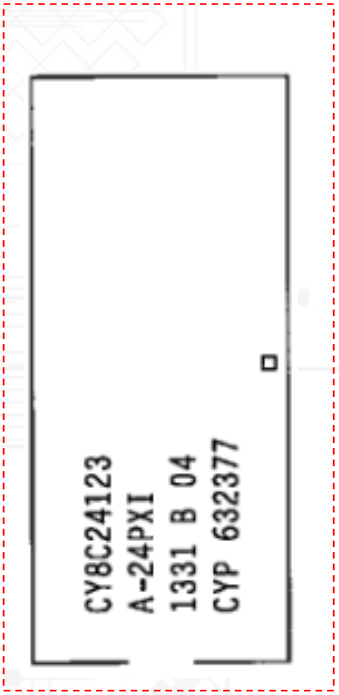


PDIP 16L to PDIP 64L



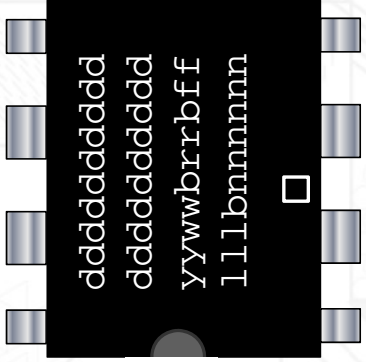
Example Marking Format: : CY8C24123A-24PXI

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

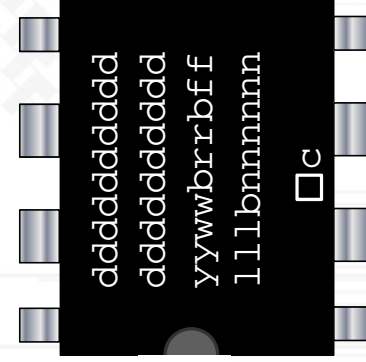


CERDIP 8L

Using Gold (Au) Wire



Using Copper (Cu) Wire



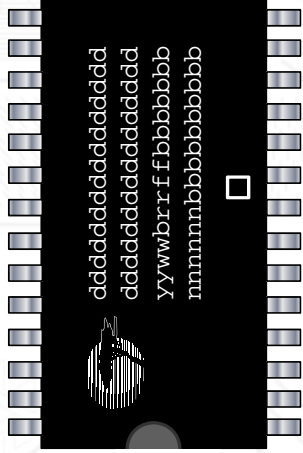
No Example Available

Packages
• CERDIP

CERDIP 16L to CERDIP 64L

Using Gold (Au) Wire

16 characters per line



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

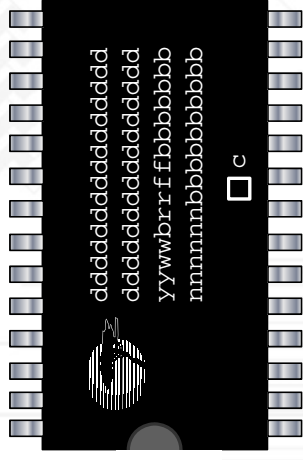
16 cha

1st and market

3rd line backer site

4th line

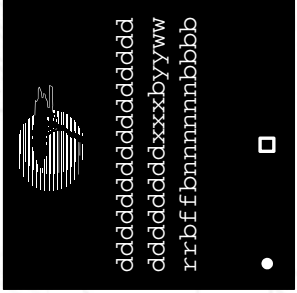
The 'C square mark) copper



No Example Available

BGA 292L/BGA 388L/BGA 484L

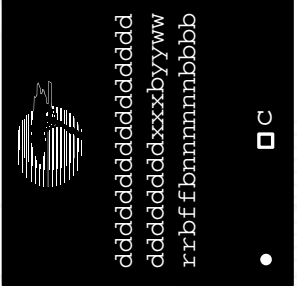
Using Gold (Au) Wire



Lines 1 – 4: 16 characters per line

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

Using Copper (Cu) Wire



- Lines 1 – 4: 16 characters per line
- 1st the marketing part number
- 2nd line is the marketing part number followed by the COO and datecode
- 3rd line is the backend revision, fab site and lot code
- The 'C' beside the part number (Pb-Free mark) indicates the use of copper wire.

Example Marking Format : CYD36S36V18-200BGXC

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

Note:



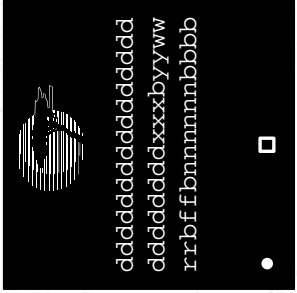
1. If length of Mkt Part Number exceeds the maximum characters on Line 1, split the Mkt Part Number after wrapping the rest on the second line.

Packages :

- BGA292, BGA388, BGA484 (1063 mils)

L2BGA 256L

Using Gold (Au) Wire



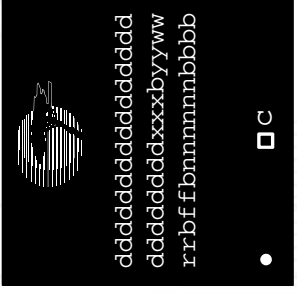
Lines 1 – 3: 16 characters per line

1st the marketing part number

2nd line is the marketing part number followed by the COO and datecode

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

Using Copper (Cu) Wire



Lines 1 – 3: 16 characters per line

1st the marketing part number

2nd line is the marketing part number followed by the COO and datecode

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

The 'C' beside the '0' (Pb-Free mark) is of copper wire.

Example Marking Format : CYV15G0203TB-BGXC

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

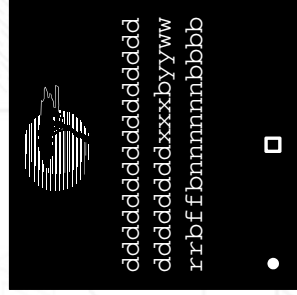
Note:



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

FCBGA 361L (WITH HEAT SPREADER)

Using Gold (Au) Wire



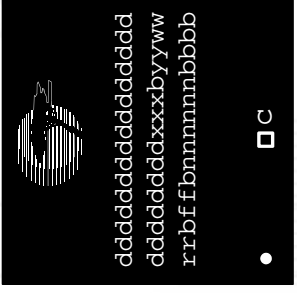
Lines 1 – 3: 16 characters per line

1st the marketing part number

2nd line is the marketing part number followed by the COO and datecode

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

Using Copper (Cu) Wire



Lines 1 – 3: 16 characters per line

1st the marketing part number

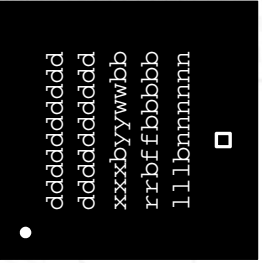
2nd line is the marketing part number followed by the COO and datecode

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

No Example Available

BGA 36L to BGA 48L

Using Gold (Au) Wire



Lines 1 – 5: 10 characters per line

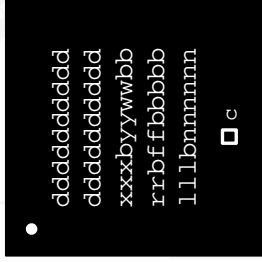
1st and 2nd line is the marketing part number

3rd line is the COO, and date code

4th line is the backend revision and fab site

5th line is 'CYP' and lot code

Using Copper (Cu) Wire



Lines 1 – 5: 10 characters per line

1st and 2nd line is the marketing part number

3rd line is the COO, and date code

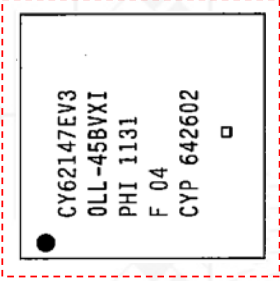
4th line is the backend revision and fab site

5th line is 'CYP' and lot code

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

Example Marking Format : CY62147EV30LL-45BVXI

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



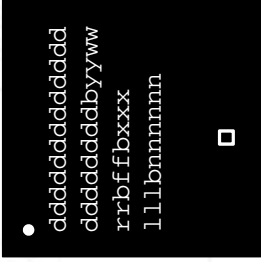
Note:

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

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

Using Gold (Au) Wire

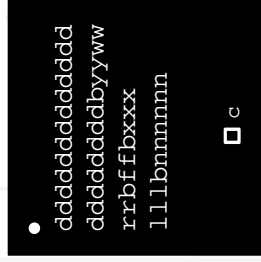
Lines 1 – 4: 13 characters per line



1st line is the marketing part number
 2nd line is the remaining marketing part number and datecode
 3rd line is the backend revision, fab site and COO
 4th line is 'CYP' and lot code

Using Copper (Cu) Wire

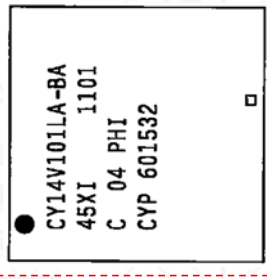
Lines 1 – 4: 13 characters per line



1st line is the marketing part number
 2nd line is the remaining marketing part number and datecode
 3rd line is the backend revision, fab site and COO
 4th line is 'CYP' and lot code
 The 'C' beside the Free mark) denotes wire.

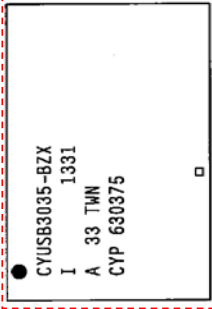
Example Marking Format: : CY14V101LA-BA45XI

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



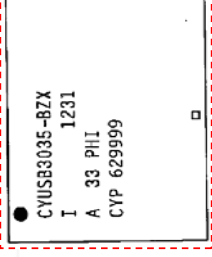
Part Number: CYUSB3035-BZXI
 Package: BGA121

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



Example Marking Format: : CYUSB3035-BZX

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



VFBGA 56L/VFBGA 84L/VFBGA 100L

Using Gold (Au) Wire

```

• dddddd
  dddddd
  xxxbyywwbb
  rrbffbbbbb
  lllbmmmmn
  □
  
```

Lines 1 – 5: 10 characters per line

1st and 2nd line is the marketing part number

3rd line is the COO, and date code

4th line is the backend revision and fab site

5th line is 'CYP' and lot code

Using Copper (Cu) Wire

```

• dddddd
  dddddd
  xxxbyywwbb
  rrbffbbbbb
  lllbmmmmn
  □ c
  
```

Lines 1 – 5: 10 characters per line

1st and 2nd line is the marketing part number

3rd line is the COO, and date code

4th line is the backend revision and fab site

5th line is 'CYP' and lot code

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

Example Marking Format: : CYDMX256A16-90BVXI

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

```

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

Note:

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

VFBGA 60L/VFBGA 70L

Using Gold (Au) Wire

```

• dddddd
  dddddd
  yywwbrrrbffb
  lllbnnnnnn
  xxxx
  □
  
```

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

Using Copper (CuPd) Wire

```

• dddddd
  dddddd
  yywwbrrrbffb
  lllbnnnnnn
  xxxx
  □
  
```

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

Example Marking Format : CY8CTMA463-60BU1

Line 1: CY8CTMA463
 Line 2: -60BU1
 Line 3: 1249 B 04
 Line 4: CYP 639287
 Line 5: TWN

```

• CY8CTMA463
  -60BU1
  1249 B 04
  CYP 639287
  TWN
  □
  
```

Note:

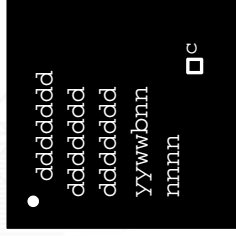
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the first character, wrapping the rest on the second line.

Packages :

- VFBGA 60/VFBGA70 – 216 mils

UFBGA 48L

Using Copper (Cu) Wire



1st line (7characters) is the marketing part number.

2nd line (7characters) is the marketing part number.

3rd line (7characters) is the marketing part number.

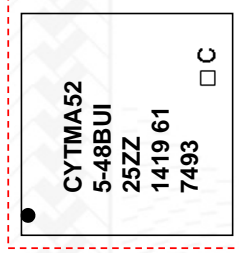
4th line (7 characters) is the datecode and lot code

5th line (4 characters) is the lotcode

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

Example Marking Format: : CYTMA525-48BUI25ZZ

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



Note:

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

UFBGA 60L/UFBGA 70L

Using Gold (Au) Wire

```

● dddddd
  dddddd
  yywwbrffbb
  111bnnnnmb
  xxxx
  □
  
```

1st line (10 characters) is the marketing part number

2nd 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 rbff to the next line.

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

4th (11 characters) line is 'CYP' and lot code

5th line (3 characters) is the COO

Using Copper (Cu) Wire

```

● dddddd
  dddddd
  yywwbrffbb
  111bnnnnmb
  xxxx
  □ c
  
```

1st line (10 characters) number

2nd line (11 characters) number. If Mkt. PN on move yyww to the second line separated with a blank next line.

3rd line (11 characters) revision and fab site

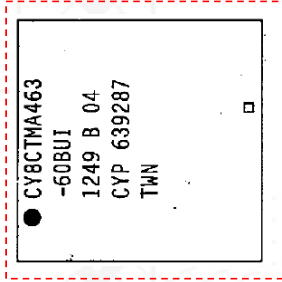
4th (11 characters) line

5th line (3 characters)

The 'C' beside the sq denotes the use of copper wire

Example Marking Format: : CY8CTMA463-60BUI

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



Note:

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

Packages :

- UFBGA 60/UFBGA70 – 216 mils

UFBGA 84L

Using Gold (Au) Wire

Lines 1 – 4: 10 characters per line

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

- 1st line is the marketing part number
- 2nd line is the remaining marketing part number
- 3rd line is the COO and the date code.
- 4th line is the backend revision, fab site
- 5th line is 'CYP' and lot code

Using Copper (Cu) Wire

Lines 1 – 4: 10 cha

```
• dddddd  
  dddddd  
  xxxbyywwbb  
  rrbffbbbbb  
  1111bnnnnn □ c
```

- 1st line is the marketing part number
 - 2nd line is the remaining marketing part number
 - 3rd line is the COO code.
 - 4th line is the backend revision, site
 - 5th line is 'CYP' and lot code
- The 'C' beside the Free mark) denotes wire.

Example Marking Format: : CY8CTMA768BUI-23

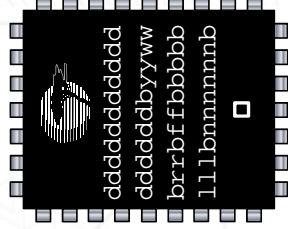
- Line 1: CY8CTMA768
- Line 2: BUI-23
- Line 3: TWN 1249
- Line 4: B 04
- Line 5: CYP 640128

```
• CY8CTMA768  
  BUI-23  
  TWN 1249  
  B 04  
  CYP 640128 □
```

- Packages :
- UFBGA 84L – 236 mils

PLCC 24L TO PLCC 32L

Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

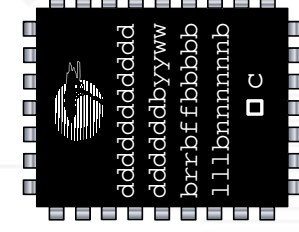
1st line is the marketing part number

2nd line is the remaining marketing part number and datecode

3rd line is the backend revision and fab site

4th line is 'CYP' and the lot code

Using Copper (Cu) Wire



Lines 1 – 4: 11 characters per line

1st line is the marketing part number and datecode

2nd line is the remaining marketing part number and fab site

3rd line is the backend revision and fab site

4th line is 'CYP' and the lot code

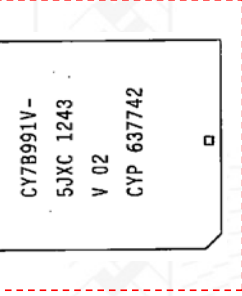
The 'C' beside the Free mark) denotes copper wire.

Example Marking Format: CY7B991V-5JXC

-23

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

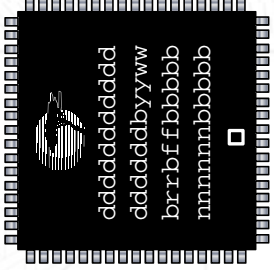
Note:



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

PLCC 44L TO PLCC 84L

Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

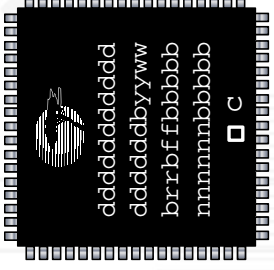
1st line is the marketing part number

2nd line is the remaining marketing part number and datecode

3rd line is the backend revision and fab site

4th line is the lot code

Using Copper (Cu) Wire



Lines 1 – 4: 11 characters per line

1st line is the marketing part number and datecode

2nd line is the remaining marketing part number and fab site

3rd line is the backend revision and fab site

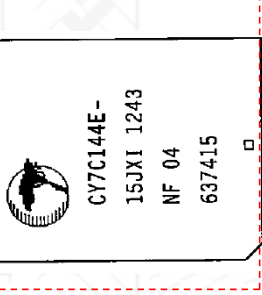
4th line is the lot code

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

Example Marking Format: : CY7C144E-15JXI

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

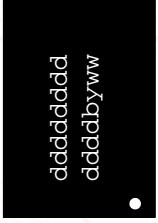
Note:



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

LCC 04L TO LCC 06L

Using Gold (Au) Wire



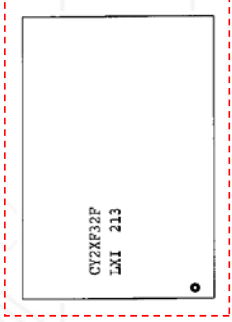
Lines 1 – 2: 8 characters per line

1st and 2nd line is the marketing part number

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

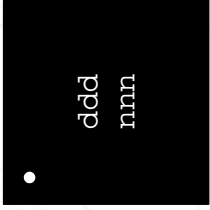
Example Marking Format : CY2XF32FLXIT I

Line 1: CY2XF32F
Line 2: LXI 213



QFN 8L

Using Gold (Au) Wire

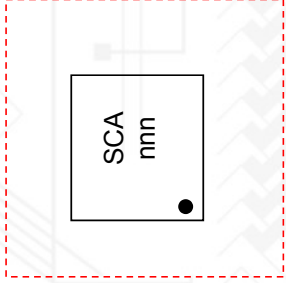


1st line (3 characters) is the 7th, 8th and 9th characters of marketing part number

2nd 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

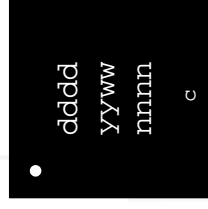
QFN 16L

Using Gold (Au) Wire



- 1st line (4 characters) is the 4 digit marketing part number before the dash (-)
- 2nd line (4 characters) is the datecode
- 3rd line (4 characters) is the last 4 digits of the lot number

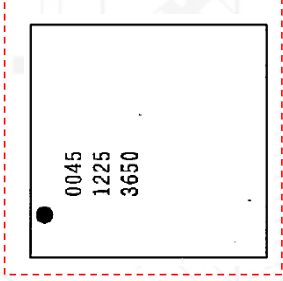
Using Copper (Cu) Wire



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

Example Marking Format: CY8C20045-24LKXI

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



- Packages :
- QFN16L = 3x3 mm

QFN 16L/24L/28

Using Gold (Au) Wire

- dddd
dddddd
YYww|bn
nnnn □

1st line (4 characters) is the marketing part number

2nd line (6 characters) is the marketing part number

3rd line (6 characters) is the date code and the first digit of the lot code

4th line (4 characters) is the last 4 digit if lot code

Using Copper (Cu) Wire

- dddd
dddddd
YYww|bn
nnnn □ C

1st line (4 characters) part number

2nd line (6 characters) part number

3rd line (6 characters) and the first digit of t

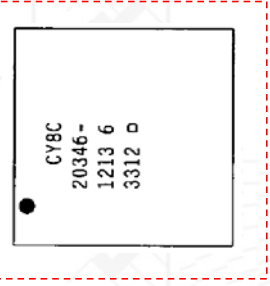
4th line (4 characters) is the last 4 digit if lo

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

Example Marking Format: CY8C20346-24LQXI

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

Note:



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

QFN/DFN 8L/16L/20L

Using Gold (Au) Wire

- dddddd
ddd
yywwbxxxx
nnnnnn □

1st line (7 characters) is the marketing part number

2nd line (8 characters) is the marketing part number

3rd line (8 characters) is the date code and the first digit of the lot code

4th line (6 characters) is the lot code

Using Copper (Cu) Wire

- dddddd
ddd
yywwbxxxx
nnnnnn □ c

1st line (7 characters) part number

2nd line (8 characters) part number

3rd line (8 characters) and the first digit of

4th line (6 characters) is the lot code

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

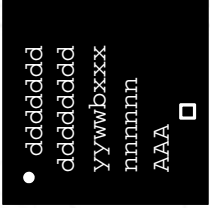
Example Marking Format: CY14B101Q2-LHXI

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

- CY14B10
1Q2-LHXI
1207 TWN
605256 □

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

Using Gold (Au) Wire



1st line (7 characters) is the marketing part number

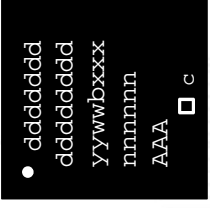
2nd line (8 characters) is the marketing part number

3rd line (8 characters) is the date code and the first digit of the lot code

4th line (6 characters) is the lot code

5th line is the Strip ID for CML Autoline assembled only

Using Copper (Cu) Wire



1st line (7 characters) part number

2nd line (8 characters) part number

3rd line (8 characters) and the first digit of lot code

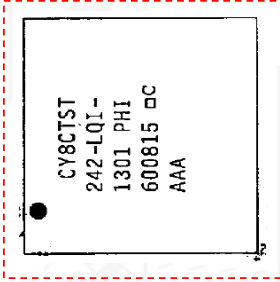
4th line (6 characters) lot code

5th line is the Strip ID assembled only

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

Example Marking Format: CY8CTST242-LQI-01

Line 1: CY8CTST
Line 2: 242-LQI-
Line 3: 1301 PHI
Line 4: 600815
Line 5: AAA



NOTES:

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

QFN 40L/48/56L

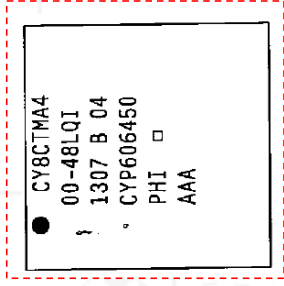
Using Gold (Au) Wire

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

- 1st line (8 characters) is the marketing part number
- 2nd line (9 characters) is the marketing part number
- 3rd line (9 characters) is the date code backend revision and fab site
- 4th line (9 characters) is 'CYP' and lot code
- 5th line is the COO
- 6th line (3 characters) is the Strip ID for CML Autoline assembled only

Example Marking Format: CY8CTMA400-48LQI

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



Using Copper (Cu) Wire

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

- 1st line (8 characters) is the marketing part number
- 2nd line (9 characters) is the marketing part number
- 3rd line (9 characters) is the date code backend revision and fab site
- 4th line (9 characters) is 'CYP' and lot code
- 5th line is the COO
- 6th line (3 characters) is the Strip ID for CML Autoline assembled only
- The 'C' beside the mark) denotes the marketing part number

NOTES:

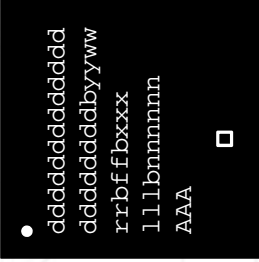
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 8-characters for marketing part numbers split the characters before the dash at 2nd line.
3. If dash is used on the 9th or 10th characters, ignore the dash.
4. If total Mkt Part number characters exceed 17 characters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

Packages :

- QFN40/48/56 – 6X6 mm

QFN 48L/56L

Using Gold (Au) Wire

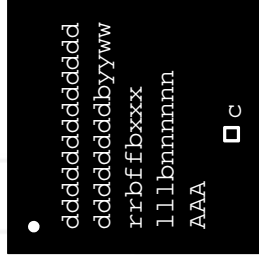


Lines 1 – 4: 13 characters per line

- 1st line is the marketing part number
- 2nd line is the remaining marketing part number and datecode
- 3rd line is the backend revision, fab site and COO
- 4th line is 'CYP' and lot code
- 5th line (3 characters) is the strip ID applicable only for CML Autoline Assembled

Lines 1 – 4: 13 cha

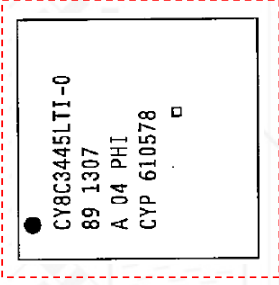
Using Copper (Cu) Wire



- 1st line is the mark
- 2nd line is the rem part number and d
- 3rd line is the back site and COO
- 4th line is 'CYP' an
- 5th line (3 character applicable only for Assembled
- The 'C' beside the Free mark) denotes copper wire.

Example Marking Format: CY8C3445LTI-089

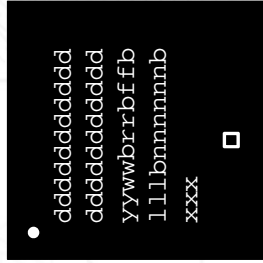
Line 1: CY8C3445LTI-0
Line 2: 89 1307
Line 3: A 04 PHI
Line 4: CYP 610578
Line 5: AAA



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

QFN 48L/56L

Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

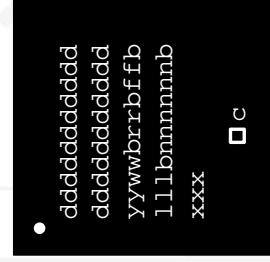
1st and 2nd line is marketing part number

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

4th line is 'CYP' and lot code

5th line (3 characters) is COO

Using Copper (Cu) Wire



Lines 1 – 4: 11 characters per line

1st and 2nd line is marketing part number

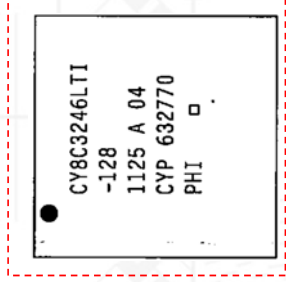
3rd line is the date code, backend revision and fab site

4th line is 'CYP' and lot code

5th line (3 characters) is COO

Example Marking Format: : CY8C3246LTI-128

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

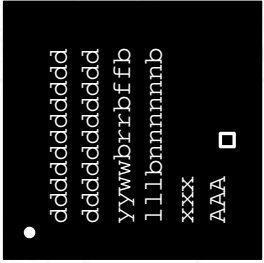


Packages :

- QFN 68L – 8x8x mm

QFN 88L

Using Gold (Au) Wire



- Lines 1 – 4: 11 characters per line
- 1st and 2nd line is the marketing part number
- 3rd line is the date code, backend revision and fab site
- 4th line is 'CYP' and lot code
- 5th line (3 characters) is COO
- 6th line (3 characters) is the strip ID applicable only for CML Autoline Assembled

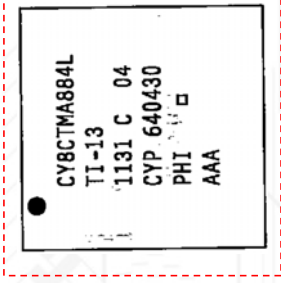
Using Copper (Cu) Wire



- Lines 1 – 4: 11 characters per line
- 1st and 2nd line is the marketing part number
- 3rd line is the date code, backend revision and fab site
- 4th line is 'CYP' and lot code
- 5th line (3 characters) is COO
- 6th line (3 characters) is the strip ID applicable only for CML Autoline Assembled
- The 'C' beside the Free mark) denotes copper wire.

Example Marking Format: : CY8CTMA884LTl-13

- Line 1: CY8CTMA884L
- Line 2: Tl-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□

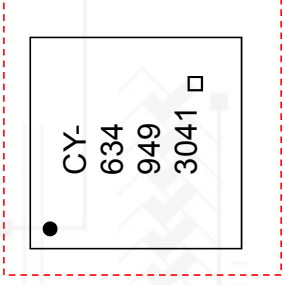
1st and 2nd line (3 characters)
is the marketing part number

3rd line (3 characters) is the
date code – ‘yww’

4th line (4 characters)
is the last 4 digit if lot code

Example Marking Format : CY8C20634-12FDXIT

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

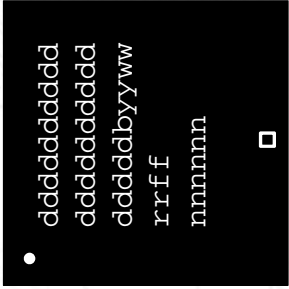


Packages :

- WLCSP30 – 1.85X2.31 mm

WLCSP 30L

Using Gold (Au) Wire



1st and 2nd line (9 characters) is the marketing part number

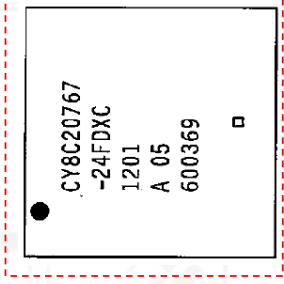
3rd line (9 characters) is the remaining part number and the date code

4th line (4 characters) is the backend revision in fab site.

5th 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

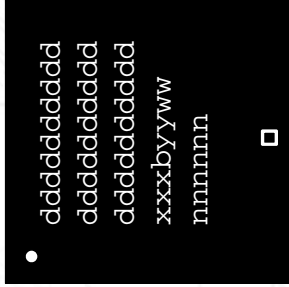


Packages :

- WLCSP30 – 2.2x2.3 mm

WLCSP 49L

Using Gold (Au) Wire



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

4th line (8 characters) is the COO and datecode

5th line (6 characters) is the lot code

Example Marking Format : CY8C20767-24FDXCT

Example:

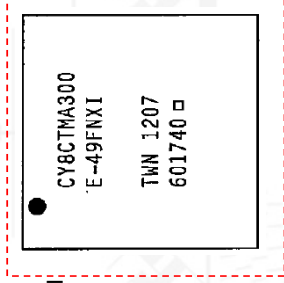
Part Number: CY8CTMA300E-49FNXI
Line 1: CY8CTMA300
Line 2: E-49FNXI
Line 3: TWN 1207
Line 4: 601740

Note:

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

Packages :

- WLCSP49 – 3.2.2x3.2 mm



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

Using Gold (Au) Wire

- ```
ddddd
ddddd
ddddd
xxxbyyww
rfff
nnnnn □
```

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

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

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

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

## Packages :

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

# No Example Available

# WLCSP 81L/131L

## Using Gold (Au) Wire

- dddd  
dddddd  
YYww|bn  
nnnn □

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

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

3<sup>rd</sup> line (6 characters) is the date code and the first digit of the lot code

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

## Using Copper (Cu) Wire

- dddd  
dddddd  
YYww|bn  
nnnn □ C

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

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

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

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

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

## Example Marking Format : CYWB0124ABX-FDXIT

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

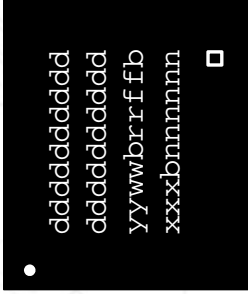
### Note:

1. First two lines will be mark with Marketing Part number. Marketing Part number exceeds 10 characters, Marketing Part number will wrap first 10 characters of the marketing part number. Ignore the last 10 characters of the marketing part number. Ignore the last 10 characters over the first two lines.

- CYWB  
0124AB  
1101 6  
0795 □

# WLCSP 35L/60L/72L

## Using Gold (Au) Wire



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

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

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

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

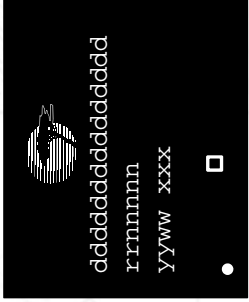
# No Example Available

Reference:  
Figure 127

The background of the page is a detailed architectural line drawing. It features a complex network of lines representing structural elements, walls, and furniture. There are various hatching patterns used for shading and texture, including diagonal lines, cross-hatching, and stippling. The drawing is oriented vertically, matching the page's layout.

# FRAM PARTS

# FBGA 48L



Line 1: Marketing Part Number

Line 2: rrrrrrrr

where:

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

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

Example Marking Format : FM28V402-BGC

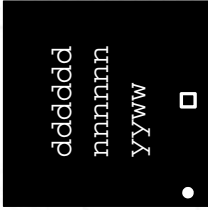
Line 1: FM28V402-BGC

Line 2: A 618477

Line 3: C 1319 TWN



# DFN 8L



Line 1: Truncated Marketing Part Number

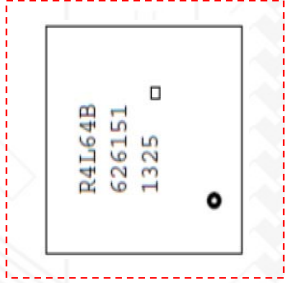
Line 2: nnnnn - Cy assembly lot#

Line 3: yyww - Date Code

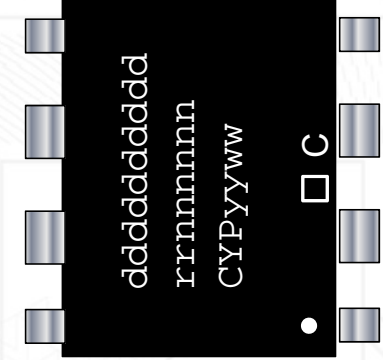
➤ 3x3mm 8 lead TDFN will NOT have square mark

Example Marking Format : FM24CL64B-DG

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



# PDIP 8L



Line 1: Marketing Part Number

Line 2: rrrrrrrrrr

where:

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

nnnnnn - Cy assembly lot#

Line 3: CYPyyww

where:

CYP - Cypress

yyww- Date Code

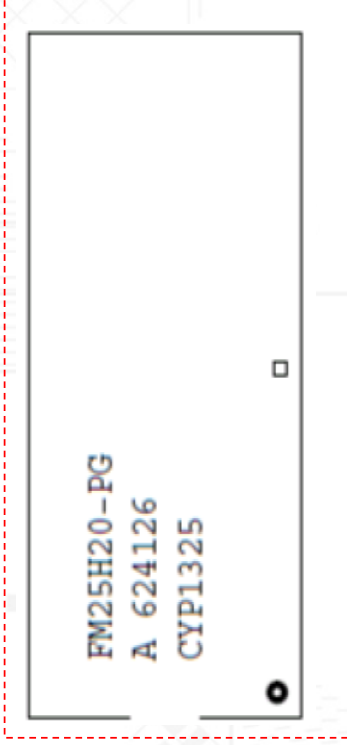
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

## Example Marking Format: FM25H20-PG

Line 1: FM25H20-PG

Line 2: A 624126

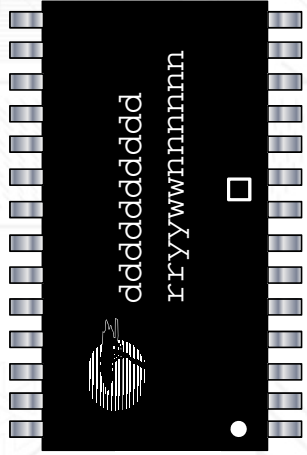
Line 3: CYP1325



Package:

- PDIP 8L -

# PDIP 28L



Line 1: Marketing Part Number

Line 2: rrYYWWnnnnnn

where:

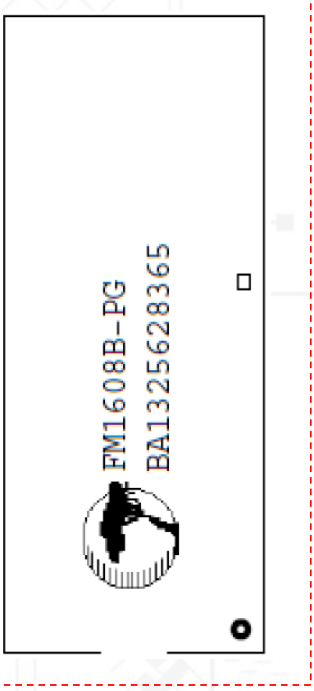
rr - BE Part Rev Code (can be 1 or 2 characters)

yyww - Date Code

nnnnnn - Cy assembly lot#

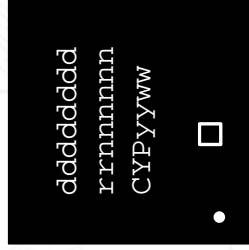
Example Marking Format: FM1608B-PG

Line 1: FM1608B-PG  
Line 2: BA1325628365



Package:  
• PDIP 28L

# EIAJ 8L



Row1: Marketing Part Number

Row2: rrrrrrrrr

where:

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

nnnnnn - Cy assembly lot#

Row3: CYPyyww

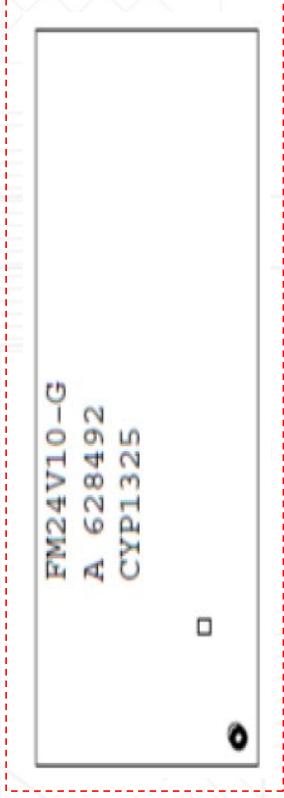
where:

CYP – Cypress

yyww - Date Code

Example Marking Format: FM24V10-G

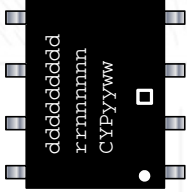
Line 1: FM24V10-G  
Line 2: A 628492  
Line 3: CYP1325



Package:

- EIAJ 8L – 2

# SOIC 8L



Line 1: Marketing Part Number

Line 2: rrrrrrrrrr

where:

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

nnnnnn- Cy assembly lot# n

Line 3: CYPyyww

where:

CYP - Cypress

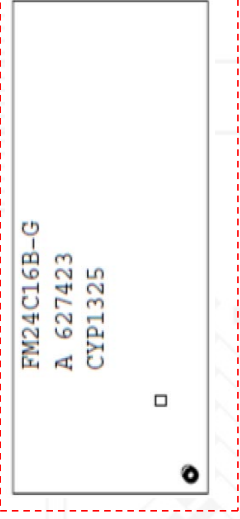
yyww- Date Code

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

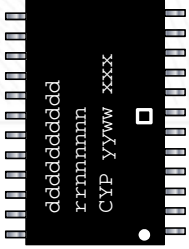
Line 1: FM24C16B-G

Line 2: A 627423

Line 3: CYP1325



# SOIC 14L



Line 1: Marketing Part Number

Line 2: rrrrrrrrr

where:

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

nnnnn- Cy assembly lot#

Line 3: CYP yyww xxx

where:

CYP - Cypress

yyww - Date Code

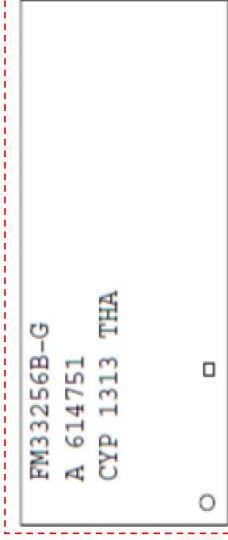
xxx - Country of origin

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

Line 1: FM33256B-G

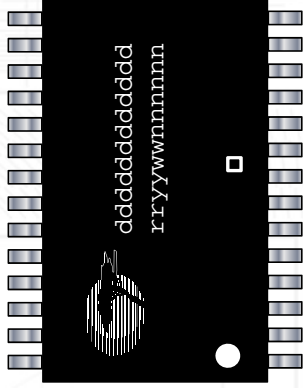
Line 2: A 614751

Line 3: CYP 1313 THA



Package:  
• SOIC 14 - 150 mils

# SOIC 28L



Line 1: Marketing Part Number

Line 2: rryywwnnnnnnn

where:

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

yyww - Date Code  
nnnnnn - Cy assembly lot#

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

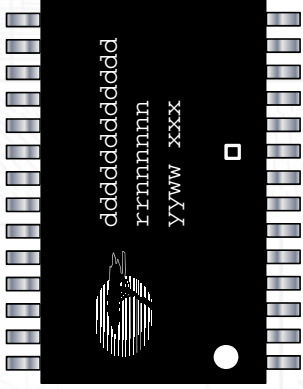
Line 1: FM1608B-SG  
Line 2: B 1325628495



Package:  
• SOIC 28 – 300 mils

Reference: 37-00001  
PIN13522

# TSOP 44L



Line 1: Marketing Part Number

Line 2: rrrrrrrrrr

where:

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

nnnnnn - Cy assembly lot

Row3: yyww xxx

where:

yyww – Date Code

xxx – Country of origin

## Example Marking Format : FM28V202-TG

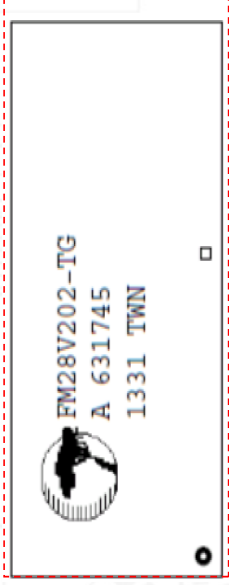
Line 1: FM28V202-TG

Line 2: A 631745

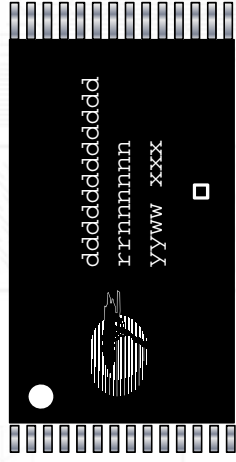
Line 3: 1331 TWN

Package:

- TSOP II 44 - 435 m



# TSOP I



Line 1: Marketing Part Number

Line 2: rrrnnnnn

where:

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

nnnnn – Cy assembly lot#

Line 3: yyww xxx

where:

yyww – Date Code

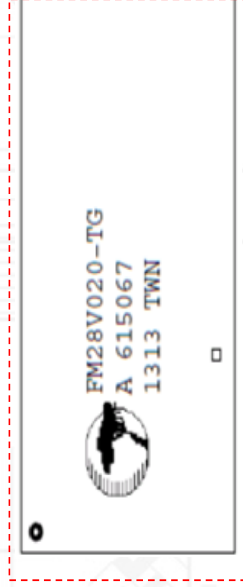
xxx – Country of origin

-----  
Example Marking Format : FM28V020-TG

Line 1: FM28V020-TG

Line 2: A 615067

Line 3: 1313 TWN

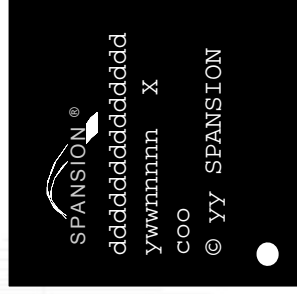


Package:

- TSOP I 28
- TSOP I 32



# FLASH PARTS



Logo - Spansion Logo

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

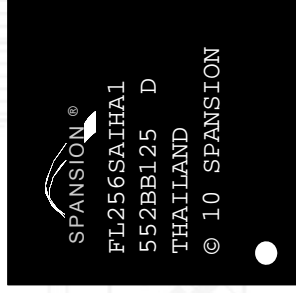
2<sup>nd</sup> line – Date code, die code (ywwnnnn)

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

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

## Example OPN:

S34ML01G100BHV000  
S34ML04G100BHI000  
S34ML01G100BHI000  
S25FL256SAGBHIA10  
S25FL256SAGBHIA13



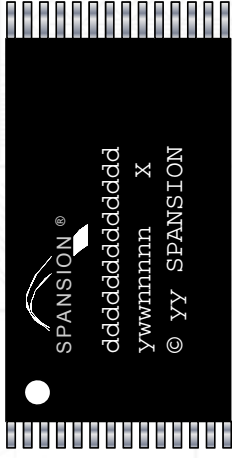
## Packages:

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

## Note:

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

# TSOP



Logo - Spansion Logo

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

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

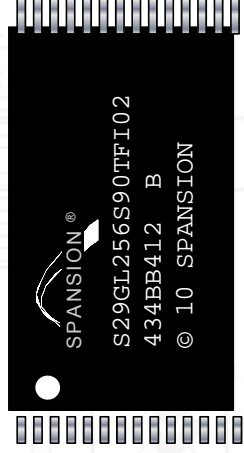
3<sup>rd</sup> line – Copyright (© yy SPANSION)

## Example OPN:

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

### Note:

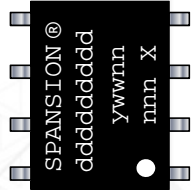
1. Date code yww: y= last digit of the year, ww= work week, nnnn= location code, X= die code



### Package:

- TSOP 48
- TSOP 56

# SOIC 8L

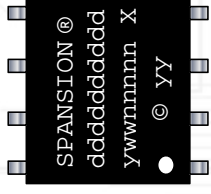


1<sup>st</sup> line – Logo line (SPANSION ©)

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

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

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



1<sup>st</sup> line – Logo li

2<sup>nd</sup> line – Part n

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

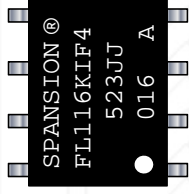
4<sup>th</sup> line - Copyrig

Example OPN:

S25FL216K0PMFI041

S25FL116K0XMF1040

S25FL132K0XMF1041



SOIC 8 – 150 mils

Example OPN:

S25FL164K0XMF1011

S25FL008A0LMFI001

S25FL016A0LMFI010

S25FL032P0XMF1010

S25FL127SABMF1103

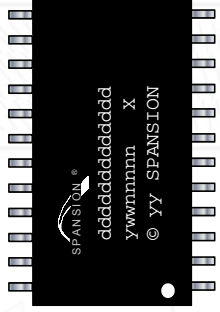
SOIC 8

Note:

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

# SOIC 16L

SO3016 / SL3016



Logo - Spansion Logo

1st line – Part number  
(ddddddddd)

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

3rd line – Copyright  
(© yy SPANSTON)

Example OPN:

S25FL256SAGMFIG01

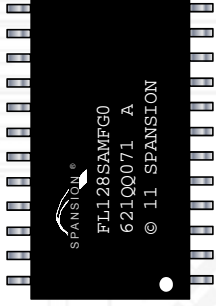
S25FL512SAGMFI011

S25FL256SAGMFI000

S25FL128SAGMFI003

S25FL128SAGMFMG00

S25FL064P0XMF1001



Note:

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

# USON/WSON

Package code:

WNA008 / UNE008 / WNF008 / WNG008  
/ WNH008

Logo - SPANSION®

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

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

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

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



Example OPN:

S25FS256SAGNFI001  
S25FS256SAGNFI003  
S25FS512SAGNFI001  
S25FS512SAGNFI003

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



Note:

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

# PLCC 32L

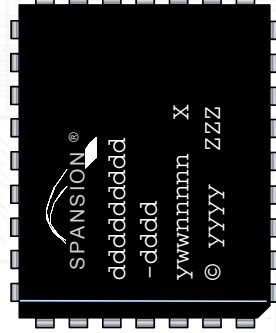
Logo - Spansion Logo

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

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

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

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

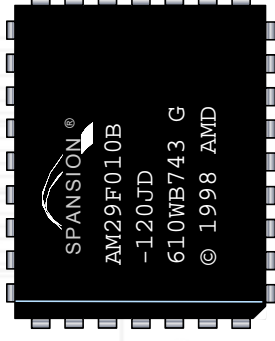


PL032

Example OPN:

AM29F010B-120JD

AM29F040B-120PD

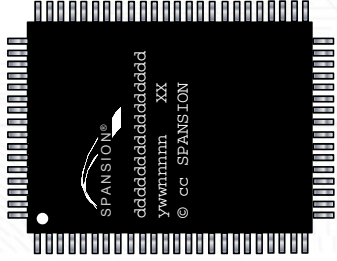


Note:

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

# PQFP 80L

PQR080



Logo - Spansion Logo

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

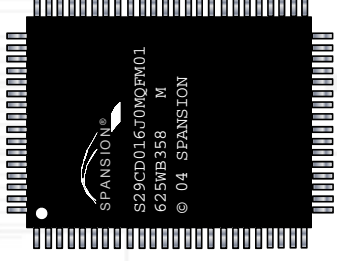
2<sup>nd</sup> line – Date code, die code  
(ywwnnnn X)

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

Example OPN:

S29CD016J0MQFM01

S29CD032J0MQFI000



Note:

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



# IoT PARTS

# FBGA/LGA/FCBGA/QFN

P1Báááááááááá  
áááááááááááá  
YwáRRáááááá  
111áááááááááá  
xxxxáááááááááá

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part
  - YYWW: YY Data
  - RR: Backend P
  - FF: Fab location
  - LLL: CYP
- 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 FCFBGA/RFCFBGA.

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

P1Bddddd  
cddddd  
YwwBRRBFF  
111BNNNN  
xxxxbbsgbc

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Data
  - RR: Backend Part Number
  - FF: Fab location
  - LLL: CYP
- Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 7 letter)  
Line 2: Marketing Part Number remaining  
Line 3: Date code, Backend Part Rev, Fab location  
Line 4: CYP, assembly lot number  
Line 5: COO, Pb Free Square, C for Cu wire

Example Marking Format: CYW20736A1KWBG

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

- Package: (mm)
- QFN40 – 6X6

# FBGA

P1Bddddd  
ddddd  
YwwBBBB  
FFBNNNNN  
xxxxbbsqbc

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part
  - YYWW: YY Data
  - RR: Backend P
  - FF: Fab location
- Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 6 letter)  
Line 2: Marketing Part Number remaining  
Line 3: Date code, Backend Part Rev  
Line 4: Fab location, assembly lot number  
Line 5: COO, Pb Free Square, C for Cu wire

Example Marking Format: CYW20733A2KML1G

● CYW207  
33A2KML1G  
1633 AB  
04 645842  
TWN □ C

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

# FBGA/QFN

P1Bddddd  
cddddd  
DDBYww  
NNNNN  
xxxxbbsgbc

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

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Pa
  - YYWW: YY Date
  - RR: Backend Pa
  - FF: Fab location

Example Marking Format: CYW2046SB1KUFBG

● CYW20  
46SB1KUF  
BG 1633  
645842  
TWN □ C

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

# FBGA 65

P1Bddddd  
cddddd  
DD  
YwwbNINNN  
xxxxbbsqbc

- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Data
  - RR: Backend Part Number
  - FF: Fab location
- Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 4 letter)  
Line 2: Marketing Part Number remaining 7 letters  
Line 3: Marketing Part Number remaining  
Line 4: Date code Assembly lot number  
Line 5: COO, Pb Free Square, C for Cu wire

Example Marking Format: CYW20713A1KUFBXG

● CYW2  
713A1KU  
FBXG  
633 842  
TWN □ C

- Packages: (mm)
- FBGA65 – 4.5X4

# FCBGA 49



- Note:
- B : Blank space
  - P1 : Pin 1
  - D: Marketing Part Number
  - YYWW: YY Data
  - RR: Backend Part
  - FF: Fab location
- Line 1: Pin1dot Marketing Part Number (1<sup>st</sup> 4 letter)  
Line 2: Marketing Part Number remaining 7 letters  
Line 3: Marketing Part Number remaining  
Line 4: Date code Assembly lot number

Example Marking Format: CYW20704UA1KFFB1G



- Packages: (mm)
- FCBGA49 – 4.5X4

P1Bddddd  
cddddd  
DD  
NNNNN

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

## Example Marking Format: CYW20732Y

● CYW  
20732  
Y 633  
842

Packages: (mm)  
• LGA27: 3.2X3.5

P1Bdāāāāāāāāāā  
dāāāāāā  
YwBRRBFF  
NNNNNN  
xxxbbbsqbc

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

Note:

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

## Example Marking Format: CYW43241XFKWBG

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

Packages: (mm)

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

P1Bdāāāāāāāāāā  
dāāāāāā  
YwBRRB  
FFBNNNNN  
xxxbbbsq

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

Note:

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

## Example Marking Format: CYW20736A1KWBG

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

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

```
P1Bdāāāāāāāāāā
dāāāāāā
YwwBRRB
FFBNNNNN
xxxbbbsq
```

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

Note:

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

Example Marking Format: CYW20736A1KWBG

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

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

# HISTORY PAGE

|         | Owner | Description of Change                                                                                                                                                                                                                                                                                                               |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rev. 7  | JARG  | <ol style="list-style-type: none"> <li>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   | Added the marking format for 60 balls WLCSP and 35 balls WLCSP based on Fig. 127.<br>Added 34 balls WLCSP and 14L DFN based on Fig. 122.                                                                                                                                                                                            |
| Rev. 11 | MRB   | Align the marking format for SOJ28-44 (page 11) based from Figure 9 on Final Mark Specification Deleted and replaced the example marking format for TSOP 28 - TSOP 48 (page 20) from 4 line based from Figure 27 on Final Mark Format Specification (37-00001)                                                                      |
| Rev. 12 | MRB   | Rewrite and pattern the marking explanation of TSOP 28 to TSOP 48 (page 20) from TSOP 32                                                                                                                                                                                                                                            |
| Rev. 13 | MRB   | <ol style="list-style-type: none"> <li>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 flex<br>Changed to new template |
| Rev 17  | MRB   | Corrected the example marking format for LGA 27 (page 88)                                             |



# End of Memo

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