



CYPRESS MARKING FORMAT

AUGUST 2019

▪Note:

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

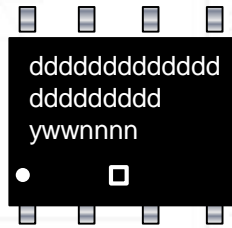


LEGEND:

Character	Meaning	Remarks
b	Blank Space	
d	Marketing Part Number	
lll	CYP	ll = CY llllllll = CYPRESS
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 digits of Mark Lot Number nnnn = last four digit of Mark Lot Number
xxx	Country of Origin	xxxx = COO with "." at the end Ex. PHI .
C	Copper Wire Part	
<input type="checkbox"/>	Lead free part	

SOIC 8L

Using Gold (Au) Wire

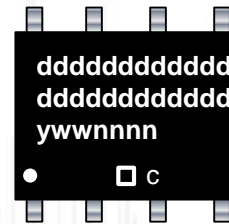


1st line (12 characters) is the marketing part number

2nd line (10 characters) is the rest of the marketing part number

3rd line (7 characters) is the date code and lot code.

Using Copper (Cu) Wire



1st line (12 characters) is the marketing part number

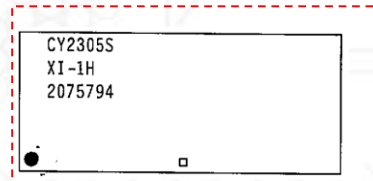
2nd line (10 characters) is the rest of the marketing part number

3rd line (7 characters) is the date code and lot code.

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

Example Marking Format: CY2305SXI-1H

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



Note:

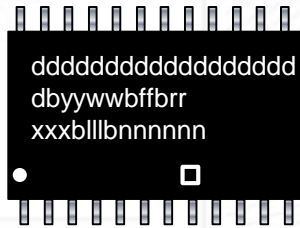
1. First line to mark the marketing part number before the first S character.
2. 2nd line the rest of the marketing part number.
3. 3rd line ywwnnnn where y= last digit of the year ww= work week nnnn= last four digits of the lot number.
4. If the marketing part number has more than 7 characters before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

Packages :

- SOIC 8 - 150 mils

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

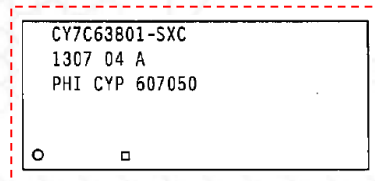
2nd line (14 characters) is the date code, fab site and backend revision

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

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

Example Marking Format: : CY7C63801-SXC.

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



Note:

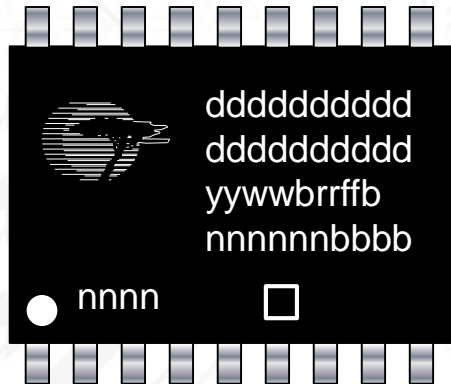
1. If Mkt. PN on line 2 contains ≤ 5 char, move yyww to the second line after the Mkt. PN separated with a blank then wrap the rfff to the left
2. If BE Part Rev has only one character, use rbff format instead of rfff
3. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside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

Packages :

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

SOIC 16L/SOIC 18L

Using Gold (Au) Wire



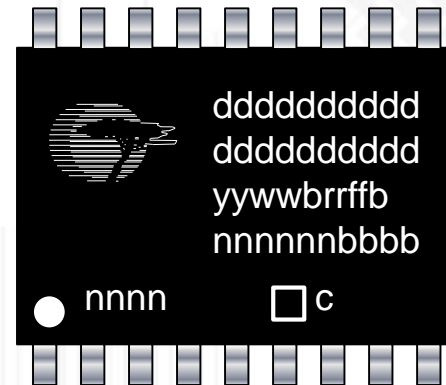
Lines 1 – 4: 10 characters per line
Line 5: 4 characters

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 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 rbff 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 ≤ 5 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 rbff format instead of rfff

4th line is the lot code

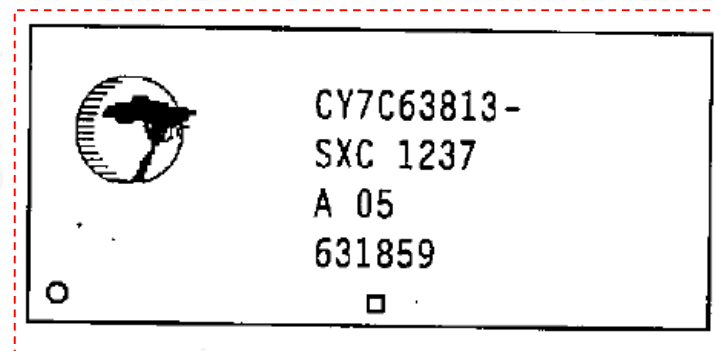
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY7C63801-SXC.

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

Note:

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

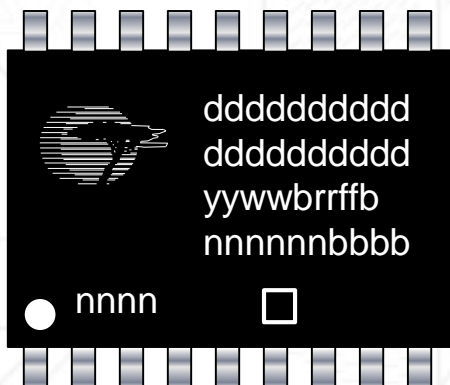


Packages :

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

SOIC 20L/SOIC 24L

Using Gold (Au) Wire



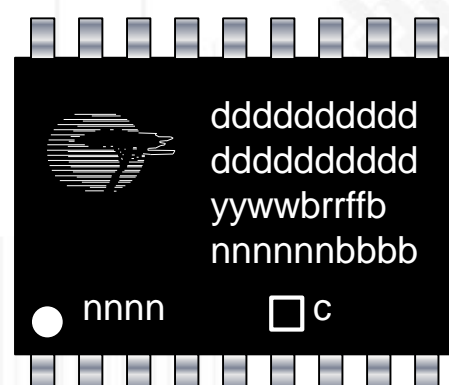
Lines 1 – 4: 10 characters per line
Line 5: 4 characters

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

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

4th line is the lot code

Using Copper (Cu) Wire



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

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

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

4th line is the lot code

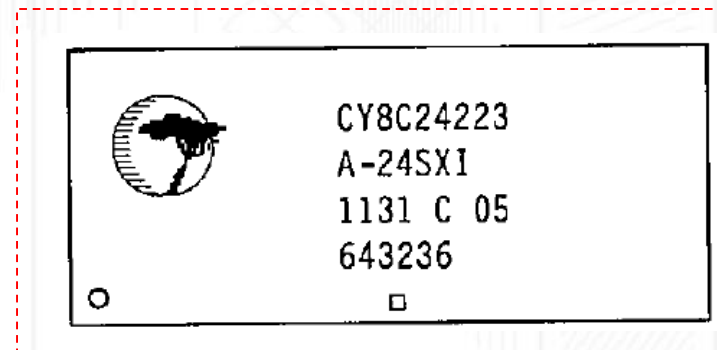
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY8C24223A-24SXI

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

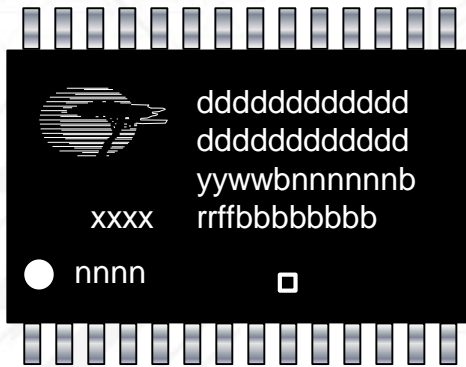
Note:

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



SOIC 28L- SOIC 32L

Using Gold (Au) Wire



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

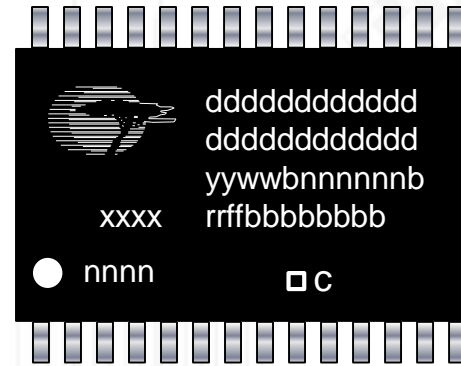
1st and 2nd line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

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

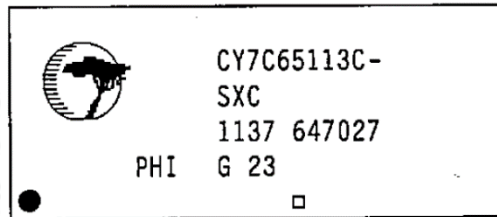
4th line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

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

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

Example Marking Format: : CY7C65113C-SXC

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



Note:

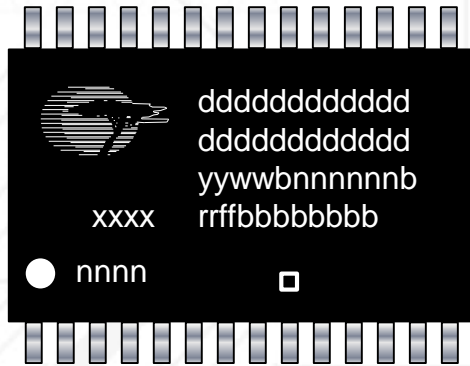
1. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 12th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. For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

Packages :

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

SOIC 28L (SNC – GULL WING)

Using Gold (Au) Wire



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

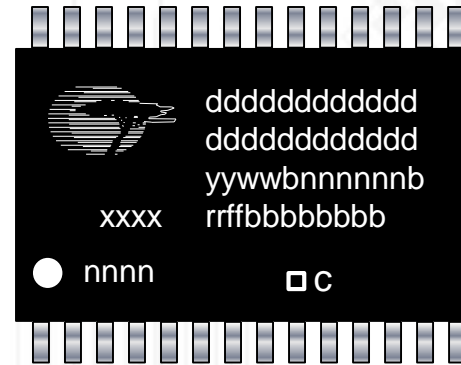
1st and 2nd line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

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

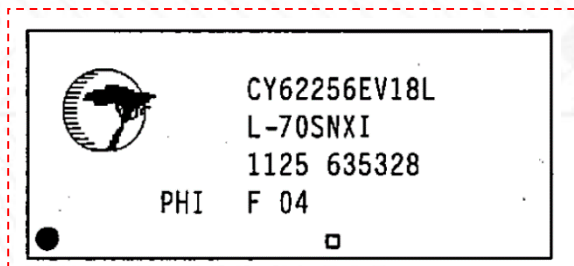
4th line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

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

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

Example Marking Format: : CY62256EV18LL-70SNXI

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



Note:

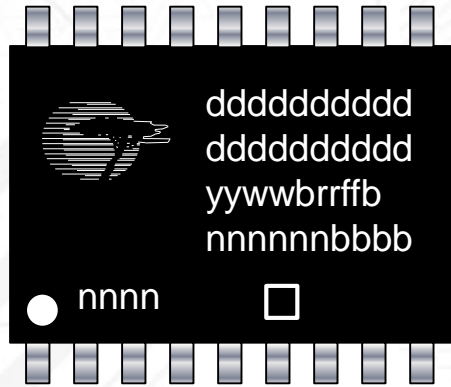
1. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 12th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. For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

Packages :

- SOIC 28 - 300/400/450 mils

SOJ 28L - SOJ 44L

Using Gold (Au) Wire

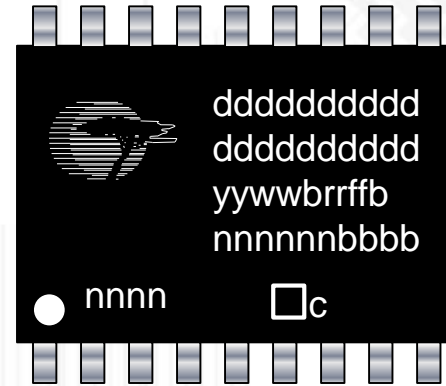


Lines 1 – 4: 12 characters per line
Line 5: 4 characters

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.

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

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

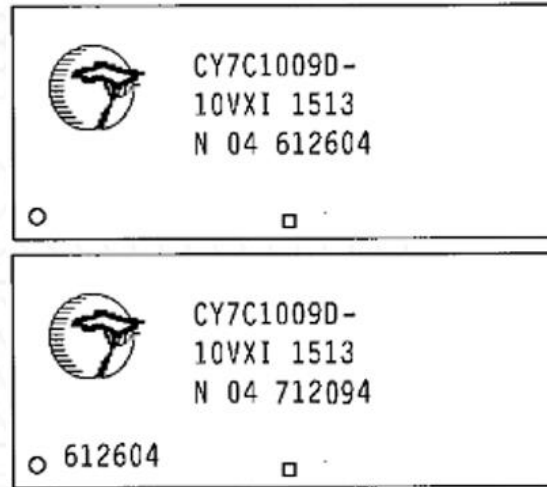
Example Marking Format: : CY7C1009D-10VXI

Mark in Assembly (MIA)

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

Mark in Finish (non-MIA)

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



Note:

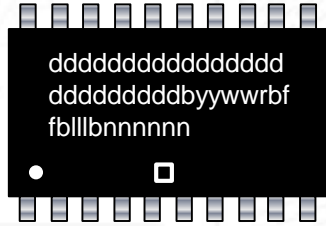
1. If Mkt PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash ("-") falls in any character before the 12th character, break the Mkt. PN after the dash ("-") then move the remaining character to the second line.
3. Move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

Packages :

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

SSOP 20L/SSOP 28L

Using Gold (Au) Wire



Lines 1 – 3: 15 characters per line

1st 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 is the marketing part number

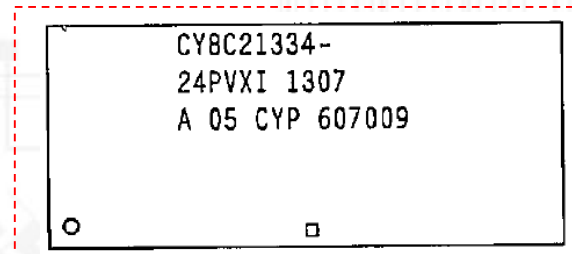
2nd line is the remaining marketing part number and datecode

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

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

Example Marking Format: : CY8C21334-24PVXI

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

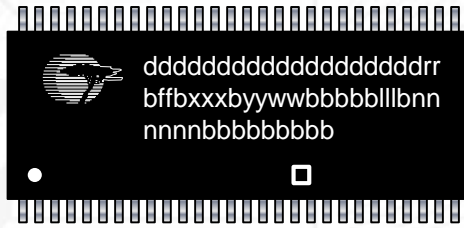


Packages :

- SOJ20 - 209 mils
- SOJ28 - 209 mils

SSOP 56L

Using Gold (Au) Wire



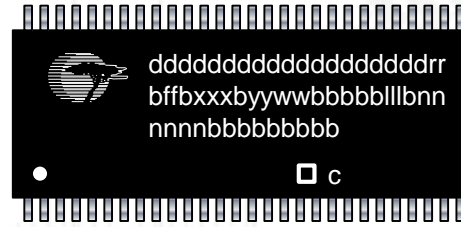
Lines 1 – 3: 19 characters per line

1st is the marketing part number

2nd line backend revision fab site, COO and date code.

3rd line is the 'CYP and the lot code

Using Copper (Cu) Wire



Lines 1 – 3: 19 characters per line

1st is the marketing part number

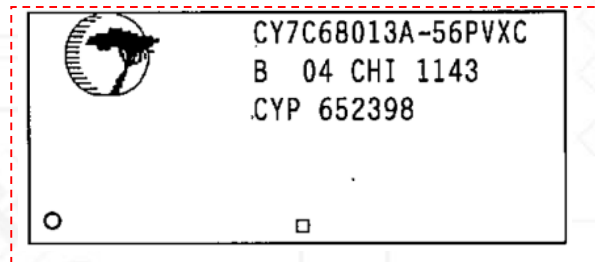
2nd line backend revision fab site, COO and date code.

3rd line is the 'CYP and the lot code

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

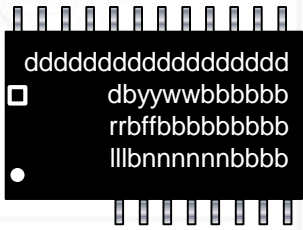
Example Marking Format: : CY7C68013A-56PVXC

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



QSOP 20L/QSOP 28L

Using Gold (Au) Wire



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



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.

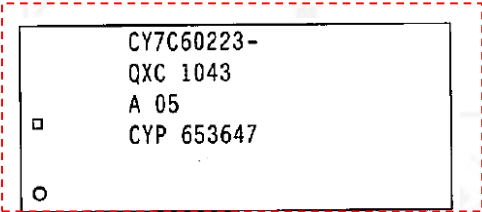
3rd line (14 characters) is the backend revision and fab site.

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

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

Example Marking Format: : CY7C60223-QXC

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



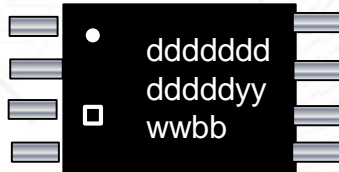
NOTES:

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

- Packages :
- QSOP20 – 150mils
 - QSIOP28 – 150mils

TSSOP 8L

Using Gold (Au) Wire

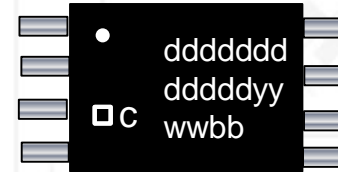


Lines 1 – 3: 6 characters per line

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

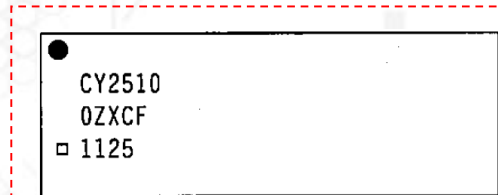
1st and 2nd line is the marketing part number

3rd line is the date code

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

Example Marking Format: : CY25100ZXCF

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



Note:

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

Packages :

- TSSOP 8 – 173 mils

TSSOP 16L

Using Gold (Au) Wire



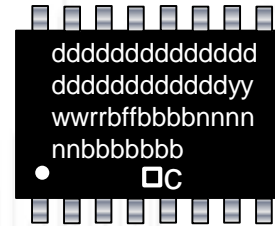
Lines 1 – 4: 13 characters per line

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



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).

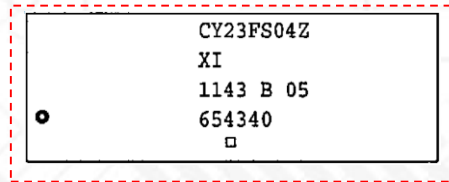
3rd line is the date code, backend revision, fab site

4th line is the lot code

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

Example Marking Format: : CY23FS04ZXIT

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



NOTES:

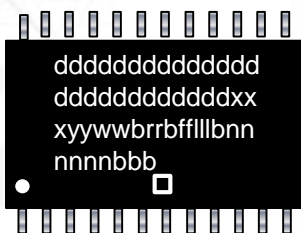
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

Packages :

- TSSOP16 – 173 mils

TSSOP 20L

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

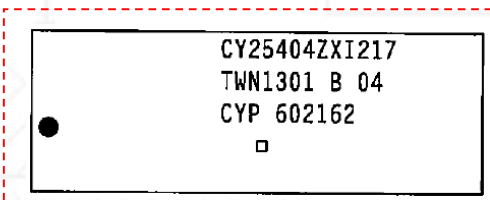
3rd line is the COO, date code, backend revision, fab site

4th line is the 'CYP' and lot code

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

Example Marking Format: : CY25404ZXI217

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



NOTES:

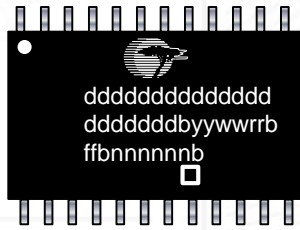
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

Packages :

- TSSOP20 – 173 mils

TSSOP 20L (REVERSE OPTION)

Using Gold (Au) Wire

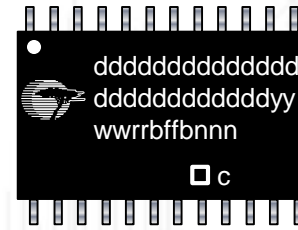


Lines 1 – 3: 13 characters per line

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



Lines 1 – 3: 13 characters per line

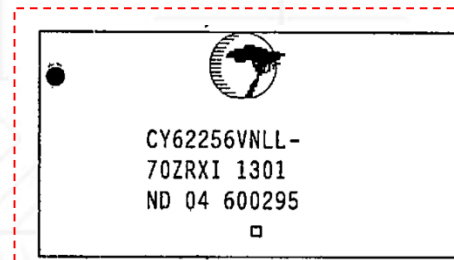
1st and 2nd line is the marketing part number. If total Mkt Part number characters exceed 13 characters, then first 13 characters will be mark on the unit (first and 2nd line will be used) followed by the datecode.

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

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

Example Marking Format: : : CY62256VNLL-70ZRXI

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

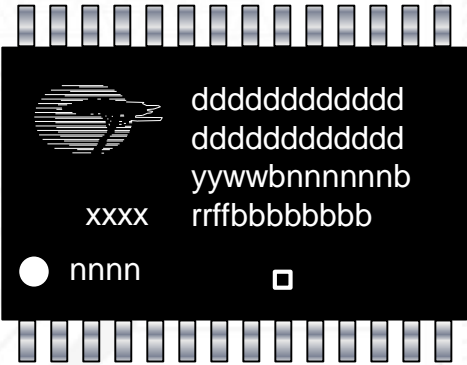


NOTES:

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

TSOP II 32L to TSOP II 54L

Using Gold (Au) Wire



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

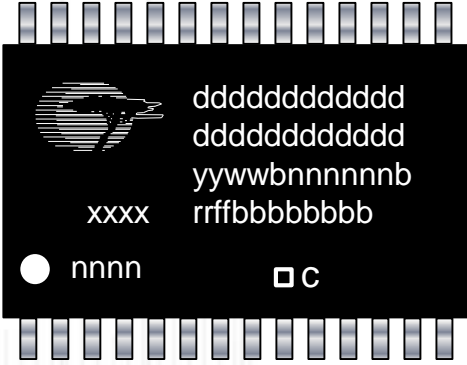
1st and 2nd line is the marketing part number. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

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.

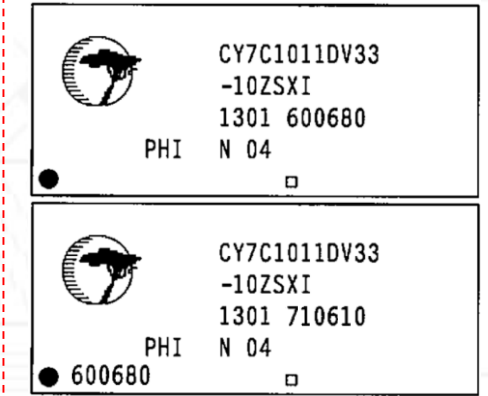
xxxx – Country of Origin (COO) – for Packages with no engraved COO.

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

Example Marking Format: : CY7C1011DV33-10ZSXI

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

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



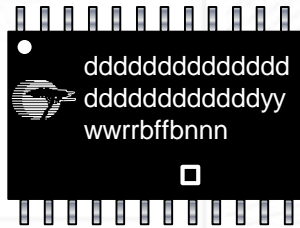
- Packages :
- TSOP II 32 – 435/400 mils
 - TSOP II 44 - 435/400 mils
 - TSOP II 54 - 435/400 mils

Note:

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

TSOP 28L/TSOP 48L

Using Gold (Au) Wire



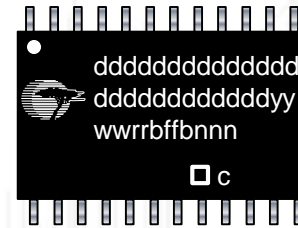
Lines 1 – 3: 13 characters per line

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 characters per line

1st line is the marketing part number.

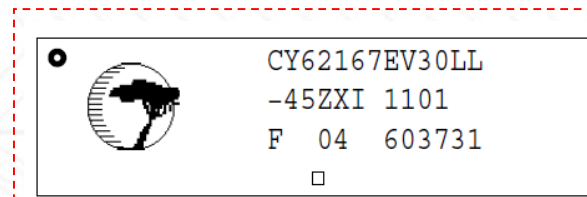
2nd line is the marketing part number if > 13 chars and date code

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

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

Example Marking Format: : CY62167EV30LL-45ZXI

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



NOTES:

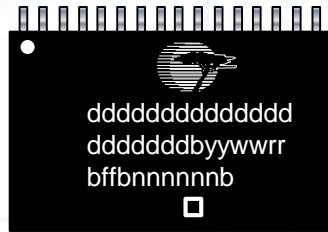
1. First 2-lines will be used for marketing part number
2. If total Mkt Part Number characters exceed 13 characters, then first characters will be mark on line 1 followed by remaining of the part number on line 2.
3. Date code follows after the part number.

Packages :

- TSOP28 – 787 mils
- TSOP48 - 787 mils

STSOP 32L

Using Gold (Au) Wire



Lines 1 – 3: 13 characters per line

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

Using Copper (Cu) Wire



Lines 1 – 3: 13 characters per line

1st line is the marketing part number

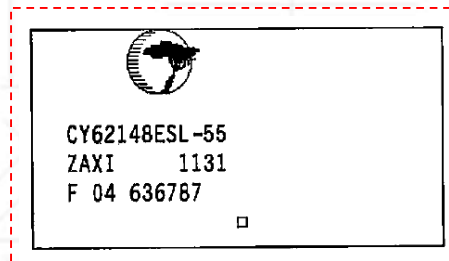
2nd line is the marketing part number if > 13 chars and datecode

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

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

Example Marking Format: : CY62148ESL-55ZAXI

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

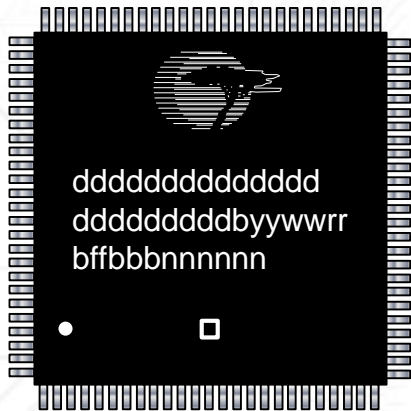


NOTES:

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

TQFP 32L to TQFP 144L

Using Gold (Au) Wire

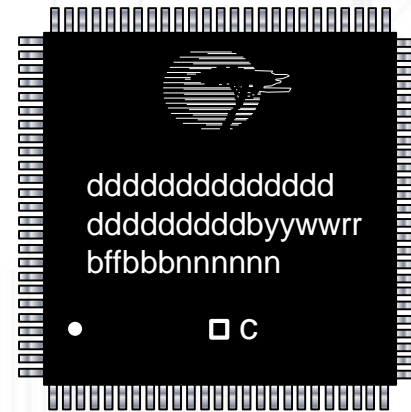


Lines 1 – 4: 14 characters per line

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 backend revision, fab site and 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.

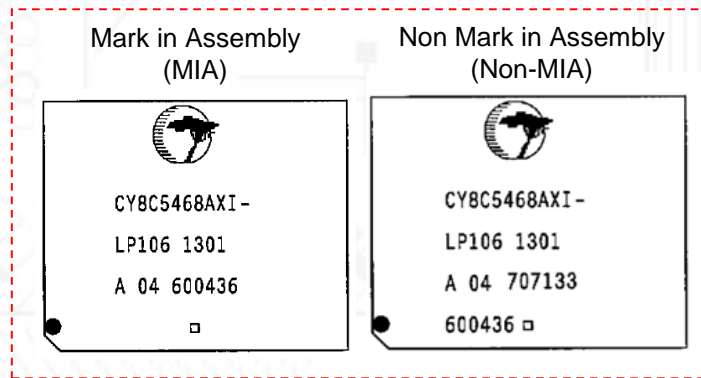
3rd line backend revision, fab site And lot code

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

Example Marking Format: : CY8C5468AXI-LP106

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

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

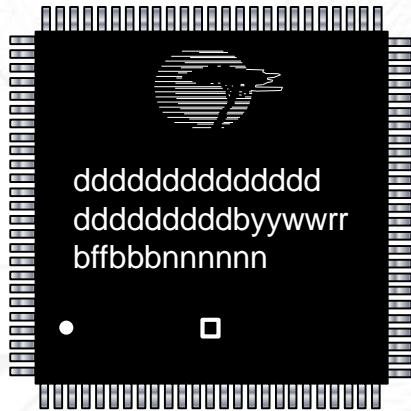


Note:

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

TQFP 32L to TQFP 144L (EXPOSED PAD)

Using Gold (Au) Wire

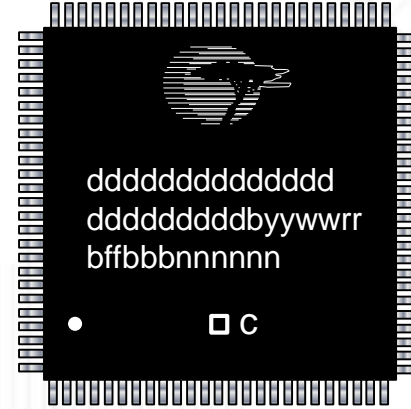


Lines 1 – 4: 14 characters per line

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, Date code, Backend Revision and fab code

3rd 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. Date code, backend revision and fab code

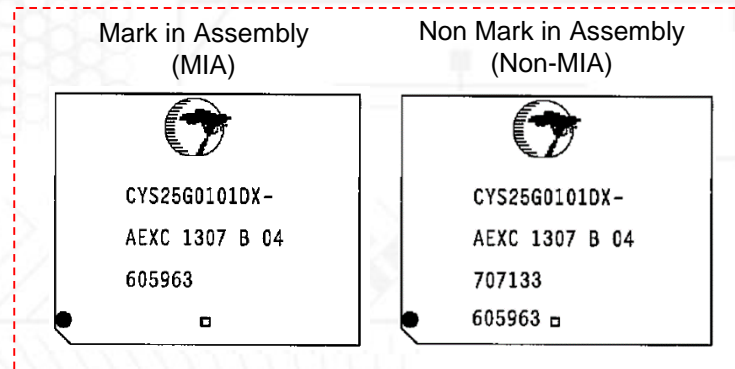
3rd line is lot code

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

Example Marking Format: : : CY525G101DX-AEXC

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

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

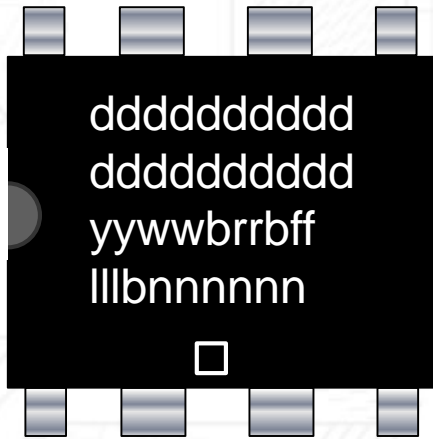


Note:

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

PDIP 8L

Using Gold (Au) Wire

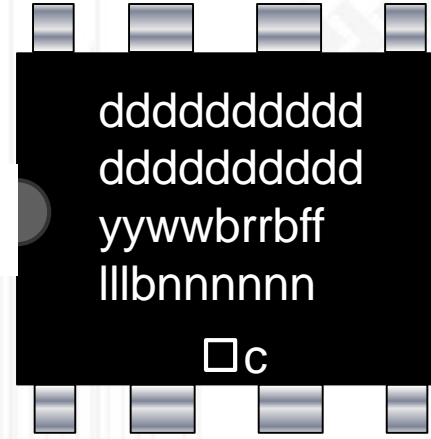


1st and 2nd line is the marketing part number.

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 line is the marketing part number.

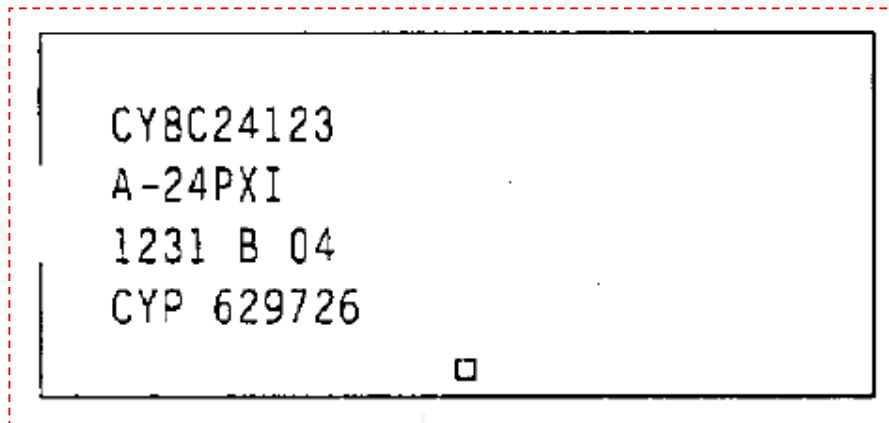
3rd line is the date code, backend revision and fab site

4th line is the CYP and the lot code

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

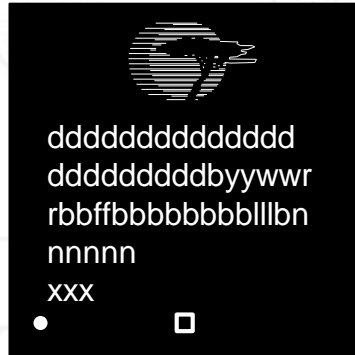
Example Marking Format: : CY8C24123A-24PXI

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



- Packages :
- PDIP8 – 300 mils

Using Gold (Au) Wire



Lines 1 – 4: 14 characters per line

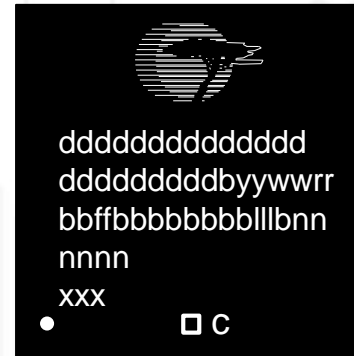
1st and 2nd line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww (date code) to the second line after the Mkt. PN.

3rd line is backend revision and fab site

4th line is the CYP and the lot code

5th line is the COO

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 (date code) to the second line after the Mkt. PN.

3rd line is backend revision and fab site

4th line is the CYP and the lot code

5th line is the COO

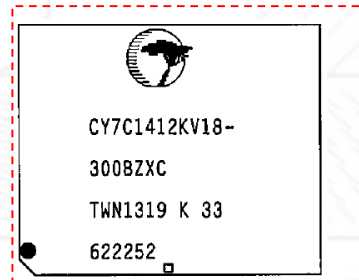
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY7C1412KV18-300BZXC

Package: BGA165

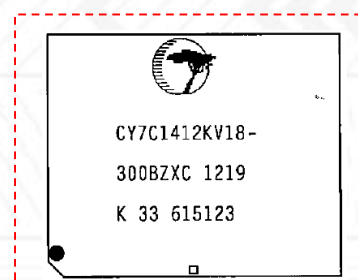
Assembly Location: ASE Taiwan

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



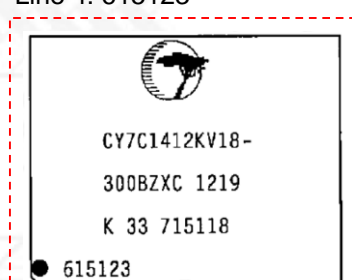
Assembly Location: CML Philippines

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



Assembly Location: CML Philippines

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



Note:

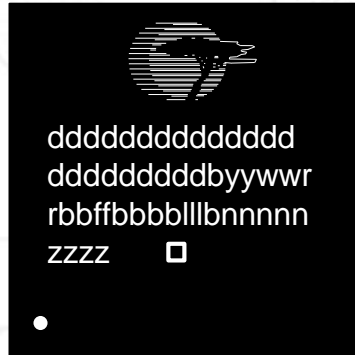
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.
2. For Non-MIA devices, mark first and last five digits of the assembly lot number (nnnnnn) beside the pin 1 indicator

Packages :

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

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

Using Gold (Au) Wire



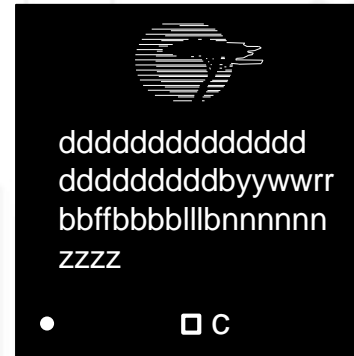
Lines 1 – 4: 14 characters per line

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

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

4th Unit code level traceability

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 (date code) to the second line after the Mkt. PN.

3rd line is backend revision and fab site

4th Unit code level traceability

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

Package: BGA165

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

15 X 13mm

17 x 15mm

17 X 15mm



MIA – Mark In Assembly



MIA – Mark In Assembly



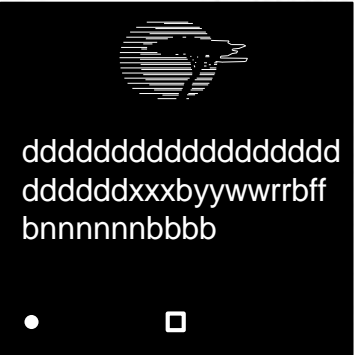
Non-MIA – Mark In Finish

Note:

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

L2BGA 256L

Using Gold (Au) Wire



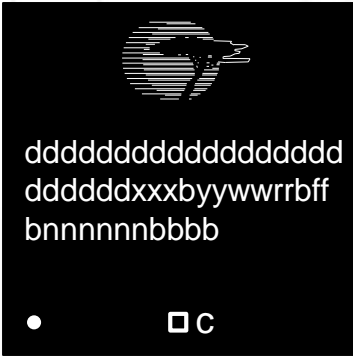
Lines 1 – 3: 16 characters per line

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

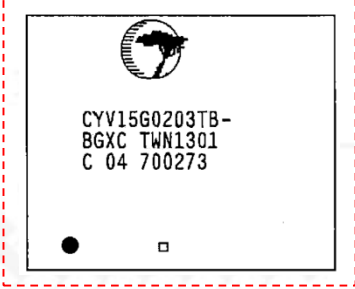
2nd line is the marketing part number followed by the COO and datecode

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

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

Example Marking Format: : CYV15G0203TB-BGX

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

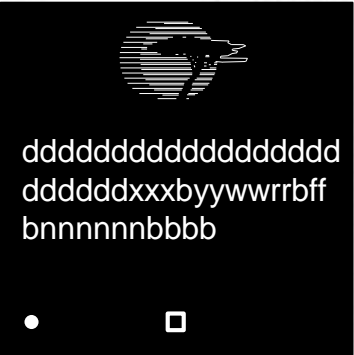


Note:

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

FCBGA 361L (WITH HEAT SPREADER)

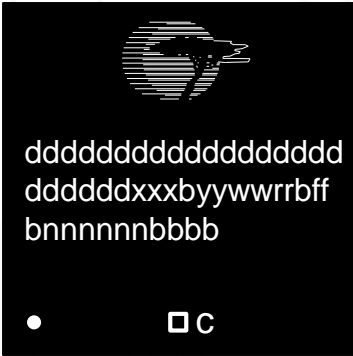
Using Gold (Au) Wire



Lines 1 – 3: 16 characters per line

- 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



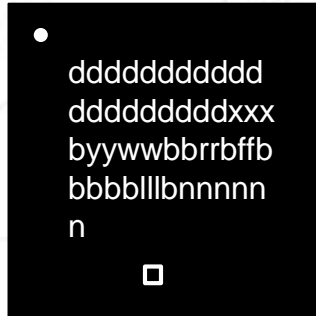
Lines 1 – 3: 16 characters per line

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

No Example Available

BGA 36L to BGA 48L

Using Gold (Au) Wire



Lines 1 – 5: 10 characters per line

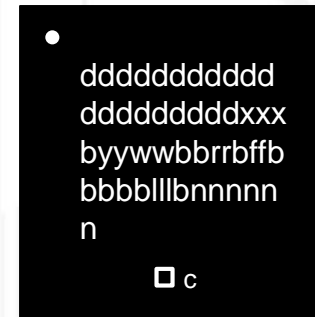
1st and 2nd line is the marketing part number

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

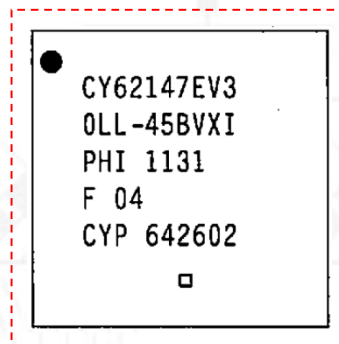
4th line is the backend revision and fab site

5th line is 'CYP' and lot code

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

Example Marking Format: : CY62147EV30LL-45BVXI

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

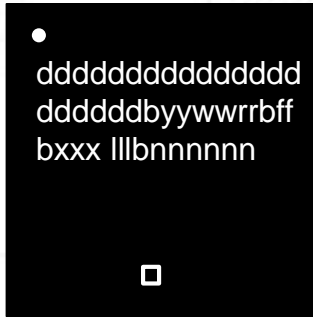


Note:

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

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

Using Gold (Au) Wire



Lines 1 – 4: 13 characters per line

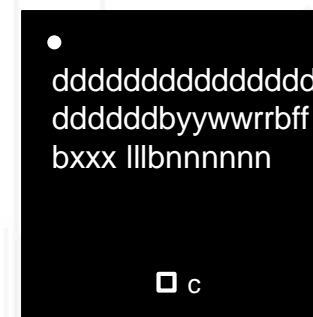
1st line is the marketing part number

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

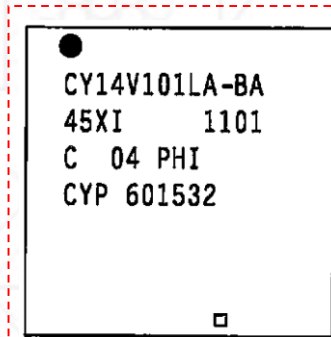
4th line is 'CYP' and lot code

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

Example Marking Format: : CY14V101LA-BA45XI

Example Marking Format: : CYUSB3035-BZXI

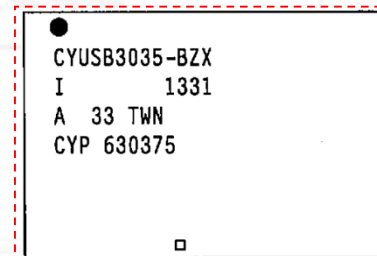
Line 1: CY14V101LA-BA
Line 2: 45XI 1101
Line 3: C 04 PHI
Line 4: CYP 601532



Part Number: CYUSB3035-BZXI
Package: BGA121

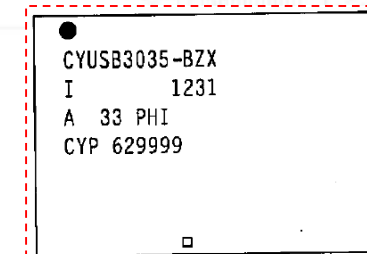
Assembly Location: ASE Taiwan

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



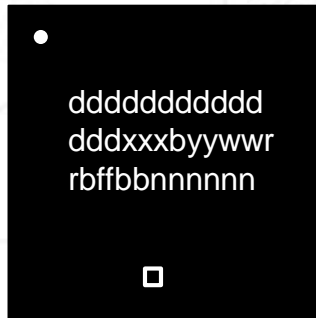
Assembly Location: CML Philippines

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



48 – 124V/FBGA

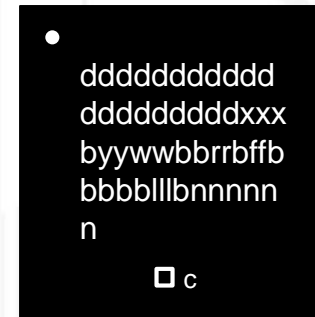
Using Gold (Au) Wire



•
 dddddddddd
 dddxxxbyywwr
 rbffbbnnnnnn
 □

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

Using Copper (Cu) Wire



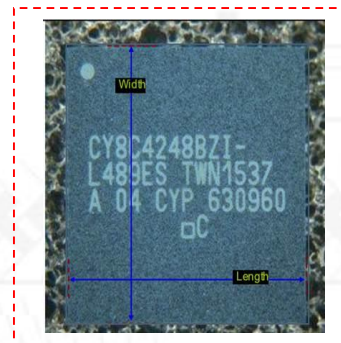
•
 dddddddddd
 ddddddddxxx
 byywwbrrrbff
 bbbblbbnnnn
 n
 □ c

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

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

Example Marking Format: : CY8C4248BZI-L489

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



Note:

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

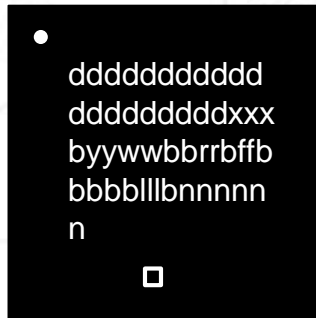
Package code:

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

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

VFBGA 36L - VFBGA 100L

Using Gold (Au) Wire



Lines 1 – 5: 10 characters per line

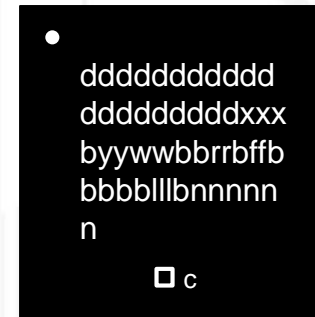
1st and 2nd line is the marketing part number

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

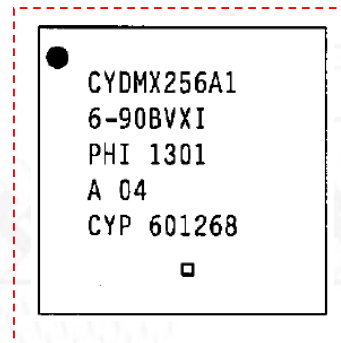
4th line is the backend revision and fab site

5th line is 'CYP' and lot code

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

Example Marking Format: : CYDMX256A16-90BVXI

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



Note:

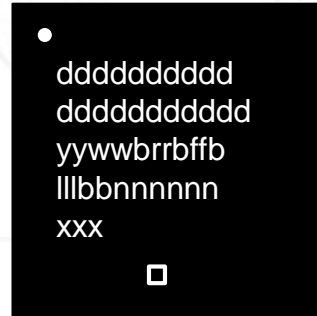
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.

Package:

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

VFBGA 60L

Using Gold (Au) Wire



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

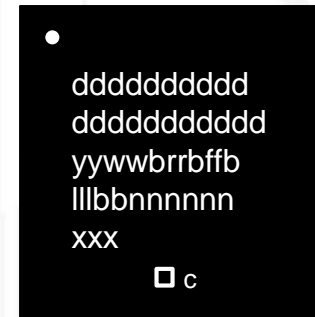
1st and 2nd line is the marketing part number

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



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

1st and 2nd line is the marketing part number

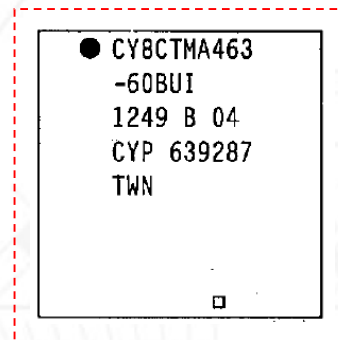
3rd line is the date code, backend revision and fab site

4th line is CYP' and lot code

5th line is the COO

Example Marking Format: : CY8CTMA463-60BUI

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



Note:

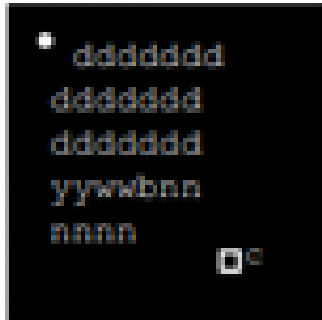
1. If length of Mkt Part Number exceeds the maximum number of characters on Line 1, split the Mkt Part Number after the dash and wrapping the rest on the second line.

Packages :

- VFBGA 60 – 216 mils

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

Using Copper (Cu) Wire



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

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

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

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

5th line (4 characters) is the lotcode

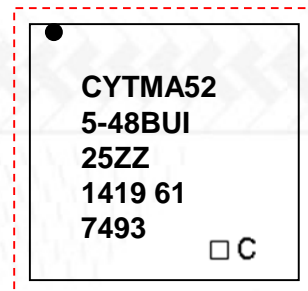
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Note:

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

Example Marking Format: : CYTMA525-48BUI25ZZ

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



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

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

UFBGA 60L

Using Gold (Au) Wire

```
● dddddddddd  
  dddddddddd  
  yywwbrffbb  
  llbnnnnnb  
  xxx  
  □
```

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 rrbff 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

```
● dddddddddd  
  dddddddddd  
  yywwbrffbb  
  llbnnnnnb  
  xxx  
  □ c
```

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 rrbff 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

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

Example Marking Format: : CY8CTMA463-60BUI

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

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

Note:

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

Packages :

- UFBGA 60 – 216 mils

UFBGA 84L

Using Gold (Au) Wire



Lines 1 – 4: 10 characters per line

1st line is the marketing part number

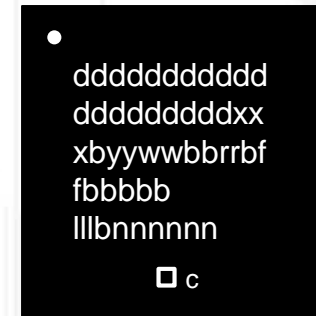
2nd line is the remaining marketing part number

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 characters per line

1st line is the marketing part number

2nd line is the remaining marketing part number

3rd line is the COO and the date code.

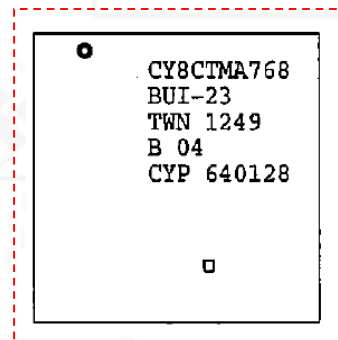
4th line is the backend revision, fab site

5th line is 'CYP' and lot code

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

Example Marking Format: : CY8CTMA768BUI-23

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

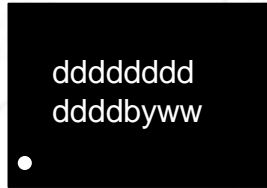


Packages :

- UFBGA 84L – 236 mils

LCC 04L TO LCC 06L

Using Gold (Au) Wire



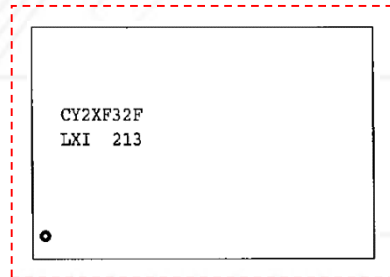
Lines 1 – 2: 8 characters per line

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

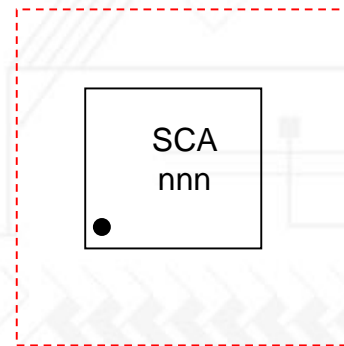


1st line (3 characters) is the 7th, 8th and 9th characters of marketing part number

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) is the 4 digit marketing part number before the dash (-)

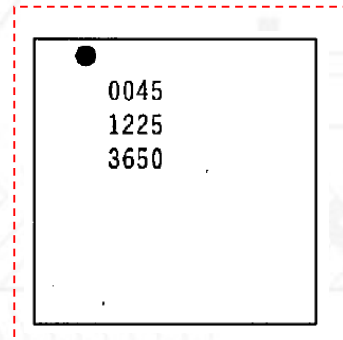
2nd line (4 characters) is the datecode

3rd line (4 characters) is the last 4 digits of the lot number

The 'C' denotes the use of copper wire.

Example Marking Format: CY8C20045-24LKXI

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



Packages :
• QFN16L = 3x3 mm

QFN 16L/24L/28

Using Gold (Au) Wire



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



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

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

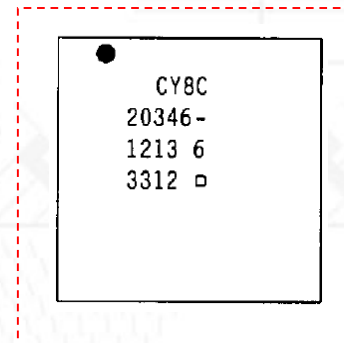
3rd line (6 characters) is the date code and the first digit of the lot code

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

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

Example Marking Format: CY8C20346-24LQXI

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



Note:

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

QFN/DFN 8L/16L/20L

Using Gold (Au) Wire

• dddddd
ddddd
yywbxxx
nnnnn
□

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
ddddd
yywbxxx
nnnnn
□ c

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

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

Example Marking Format: CY14B101Q2-LHXI

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

●
CY14B10
1Q2-LHXI
1207 TWN
605256 □

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

Using Gold (Au) Wire

```

• dddddd
  dddddd
  yywbxxx
  nnnnnn
  AAA
  □
    
```

- 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

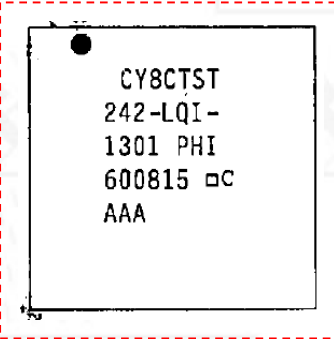
```

• dddddd
  dddddd
  yywbxxx
  nnnnnn
  AAA
  □ c
    
```

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

Example Marking Format: CY8CTST242-LQI-01

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



NOTES:

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

QFN 40L/48/56L

Using Gold (Au) Wire

• dddddd
ddddd
yywbrbff
llnnnnn
xxx
AAA □

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

Using Copper (Cu) Wire

• dddddd
ddddd
yywbrbff
llnnnnn
xxx
AAA □ 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 square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: CY8CTMA400-48LQI

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

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

NOTES:

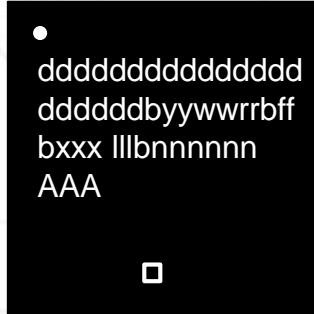
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 8-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 9th or 10th characters, ignore dash.
4. If total Mkt Part number characters exceed 17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

Packages :

- QFN40/48/56 – 6X6 mm

QFN 48L/56L

Using Gold (Au) Wire



Lines 1 – 4: 13 characters per line

1st line is the marketing part number

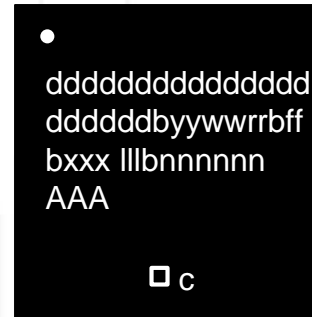
2nd line is the remaining marketing part number and datecode

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

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

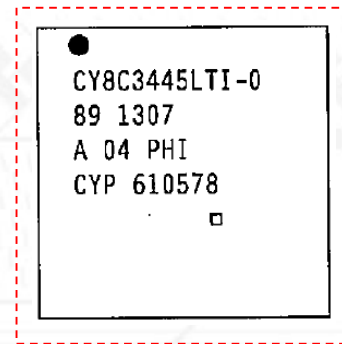
4th line is 'CYP' and lot code

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

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

Example Marking Format: CY8C3445LTI-089

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



Packages :

- QFN48 – 7XX mm
- QFN56 – 8X8 mm

QFN 68L

Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

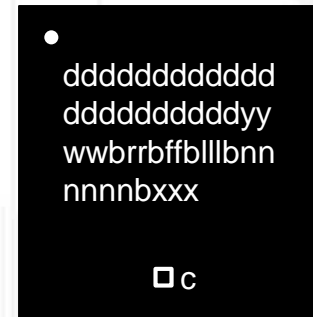
1st and 2nd line is the marketing part number

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

4th line is 'CYP' and lot code

5th line (3 characters) is COO

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

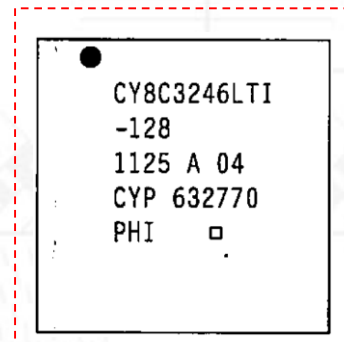
4th line is 'CYP' and lot code

5th line (3 characters) is COO

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

Example Marking Format: : CY8C3246LTI-128

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



Packages :

- QFN 68L – 8x8x mm

Using Gold (Au) Wire



Lines 1 – 4: 11 characters per line

1st and 2nd line is the marketing part number

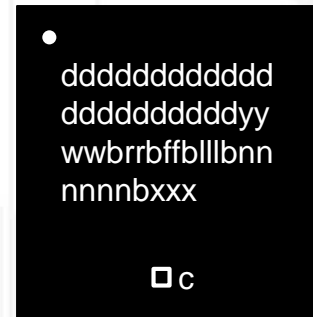
3rd line is the date code, backend revision and fab site

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

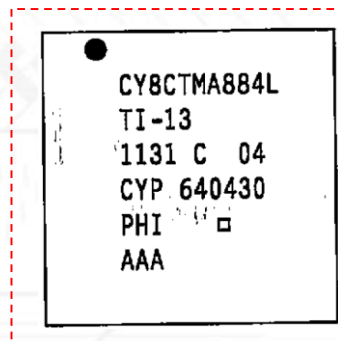
5th line (3 characters) is COO

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

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

Example Marking Format: : CY8CTMA884LTI-13

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



Packages :

- QFN88 – 8x8 mm

WLCSP 30L

Using Gold (Au) Wire

• ddd
ddd
yww
nnnn □

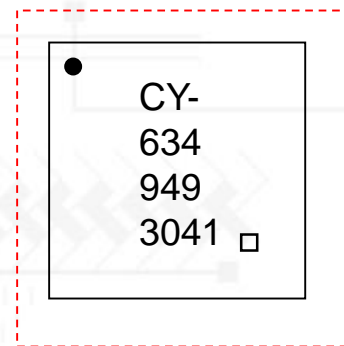
1st and 2nd line (3 characters)
is the marketing part number

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

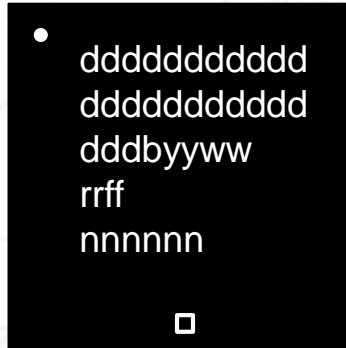
Line 1: CY-
Line 2: 634
Line 3: 949
Line 4: 3041



Packages :
• WLCSP30 – 1.85X2.31 mm

WLCSP 30L

Using Gold (Au) Wire



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

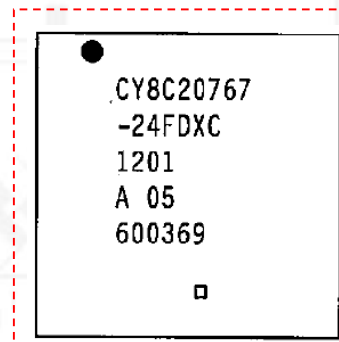
3rd line (9 characters) is the remaining part number and the date code

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

5th line (6 characters) is the lot code

Example Marking Format: : CY8C20767-24FDXCT

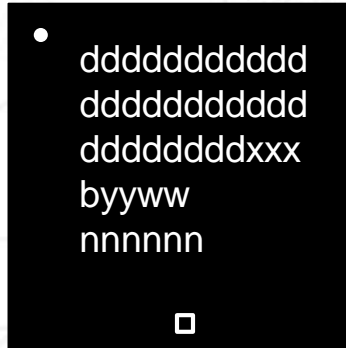
Line 1: CY8C20767
Line 2: -24FDXC
Line 3: 1201
Line 4: A 05
Line 5: 600369



Packages :

- WLCSP30 – 2.2x2.3 mm

Using Gold (Au) Wire



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

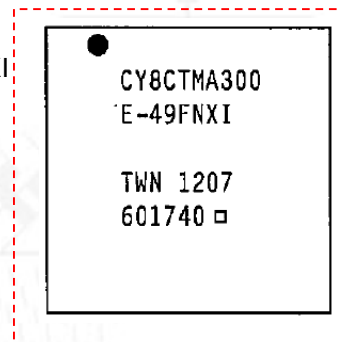
4th line (8 characters) is the COO and datecode

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

Packages :

- WLCSP49 – 3.2.2x3.2 mm

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

Using Gold (Au) Wire

- dddddddddd
ddddddddd
dddddddxxx
byyww
rfff
nnnnnn
□

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

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

5th line (4 characters) is the backend revision and fab site

6th line (6 characters) is the lot code

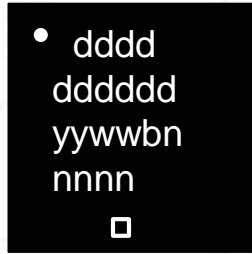
No Example Available

Packages :

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

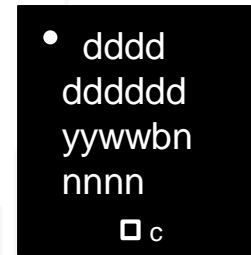
WLCSP 81L/131L

Using Gold (Au) Wire



- 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

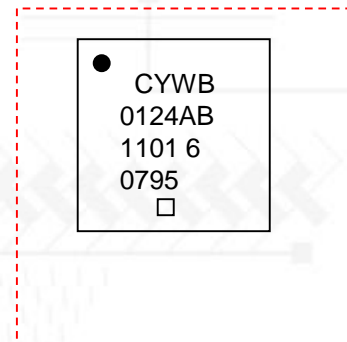
Using Copper (Cu) Wire



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

Example Marking Format: : CYWB0124ABX-FDXIT

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



Note:

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

Using Gold (Au) Wire

- dddddddddd
ddddddddd
yywwbrrffb
xxbnnnnnn

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

2nd line (10 characters) is the marketing part number

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

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

No Example Available

Packages :

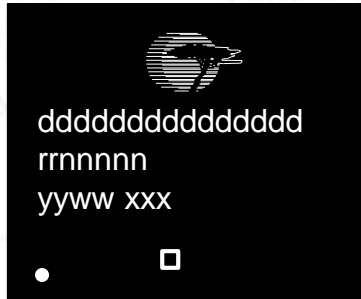
- WLCSP72 (FN,FY) – 4.25x4.98mm
- WLCSP60 (FN,FY) - 4.654x5.814mm
- WLCSP35 (FN,FY) - 3.23x2.10mm
- WLCSP96 (FM) - 4.226X4.924mm

Reference: 37-00001
Figure 127

FRAM PARTS



FBGA 48L



Line 1: Marketing Part Number

Line 2: rrnnnn

where:

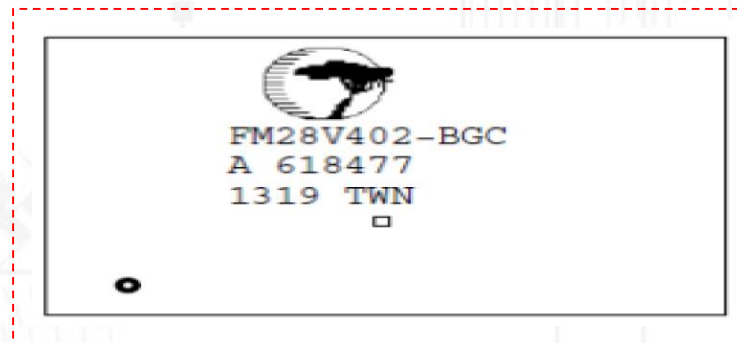
rr – BE Part rev Code (can be 1 or 2 characters)

nnnnn – Cy assembly lot#

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

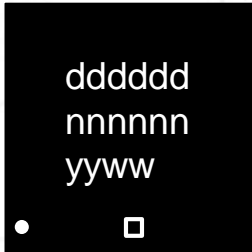
Example Marking Format: : FM28V402-BGC

Line 1: FM28V402-BGC
Line 2: A 618477
Line 3: C 1319 TWN



Reference: 37-00001, Figure 50
PIN135228

DFN 8L



Line 1: Truncated Marketing Part Number

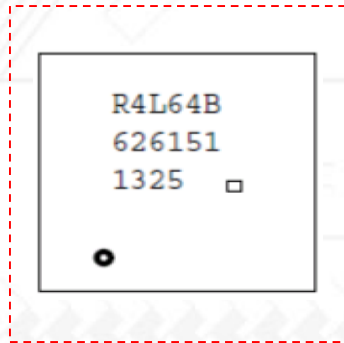
Line 2: nnnnnn - Cy assembly lot#

Line 3: yyww - Date Code

➤ 3x3mm 8 lead TDFN will NOT have square mark

Example Marking Format: : FM24CL64B-DG

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

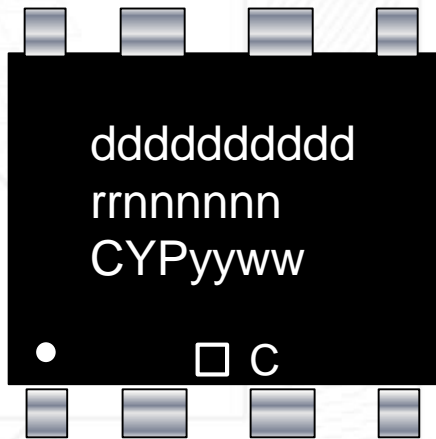


Package: LH, LF, LY, LU (QFN/DFN Pb-free)

Reference: 37-00001, Figure 48

PIN135228

PDIP 8L



Line 1: Marketing Part Number

Line 2: rrnnnnn

where:

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

nnnnn - Cy assembly lot#

Line 3: CYPyyww

where:

CYP - Cypress

yyww - Date Code

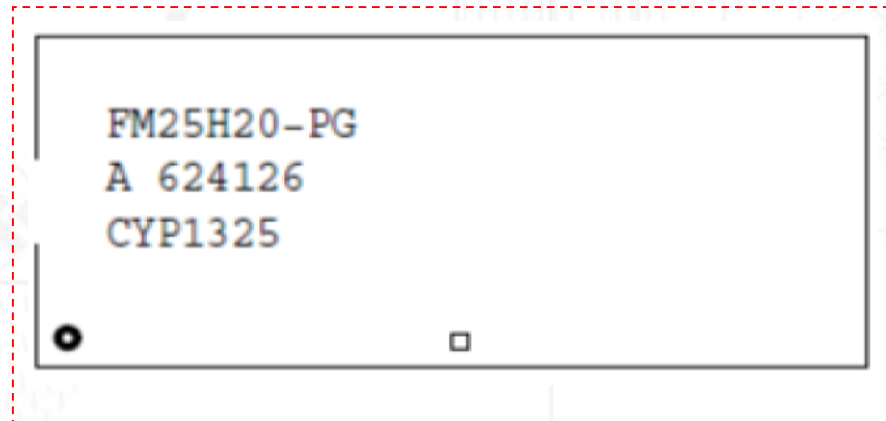
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: FM25H20-PG

Line 1: FM25H20-PG

Line 2: A 624126

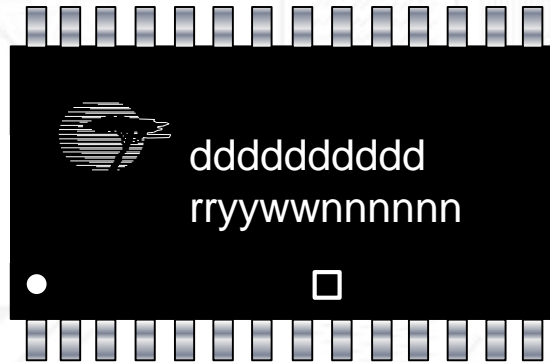
Line 3: CYP1325



Package:

- PDIP 8L – 300 mils

PDIP 28L



Line 1: Marketing Part Number

Line 2: rrYYWWnnnnnn

where:

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

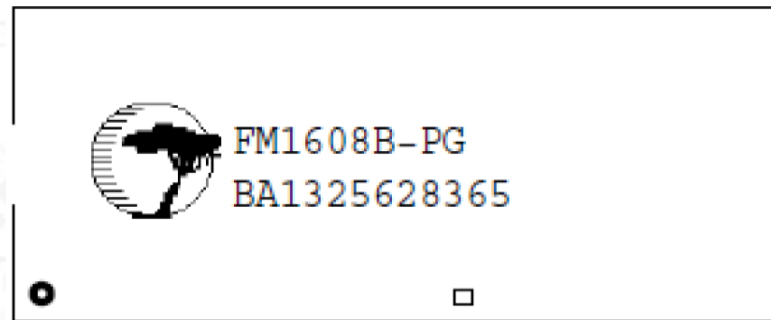
yyww - Date Code

nnnnnn - Cy assembly lot#

Example Marking Format: FM1608B-PG

Line 1: FM1608B-PG

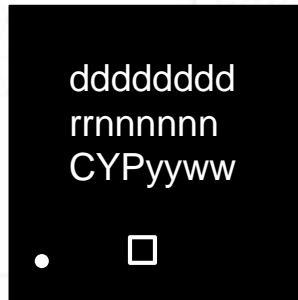
Line 2: BA1325628365



Package:

- PDIP 28L – 600 mils

EIAJ 8L



Row1: Marketing Part Number

Row2: rrnnnnn

where:

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

nnnnn - Cy assembly lot#

Row3: CYPyyww

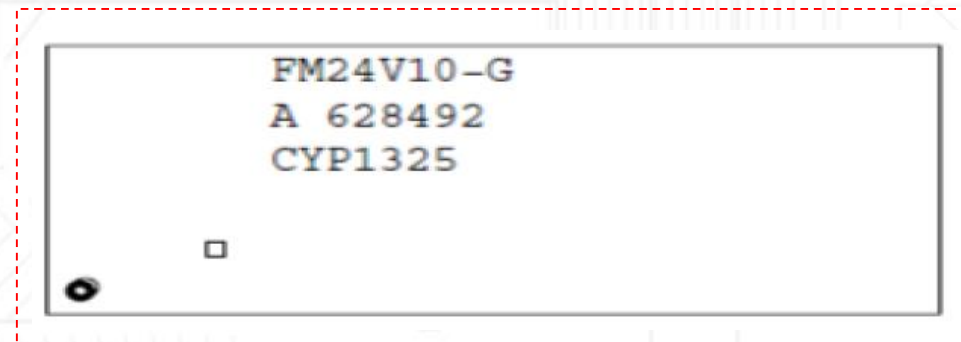
where:

CYP - Cypress

yyww - Date Code

Example Marking Format: FM24V10-G

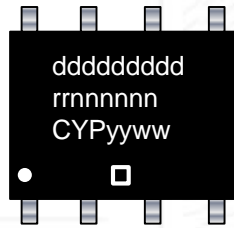
Line 1: FM24V10-G
Line 2: A 628492
Line 3: CYP1325



Package:

- EIAJ 8L – 209 mils

SOIC 8L



Line 1: Marketing Part Number

Line 2: rrrrrrrr

where:

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

nnnnn- Cy assembly lot# n

Line 3: CYPyyww

where:

CYP - Cypress

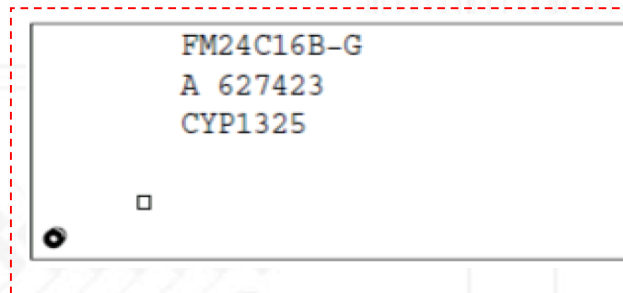
yyww- Date Code

Example Marking Format: FM24C16B-G

Line 1: FM24C16B-G

Line 2: A 627423

Line 3: CYP1325



SOIC 14L – SOIC 16L



Line 1: Marketing Part Number

Line 2: rrrrrrrr

where:

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

nnnnrr- Cy assembly lot#

Line 3: CYP yyww xxx

where:

CYP – Cypress

yyww – Date Code

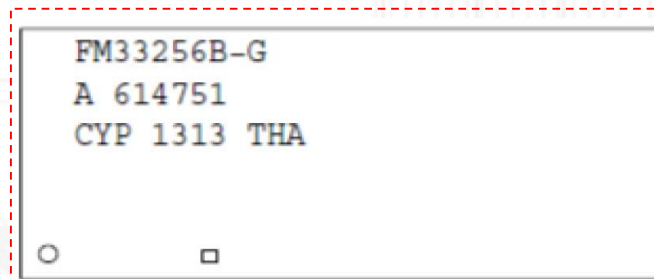
xxx – Country of origin

Example Marking Format: FM33256B-G

Line 1: FM33256B-G

Line 2: A 614751

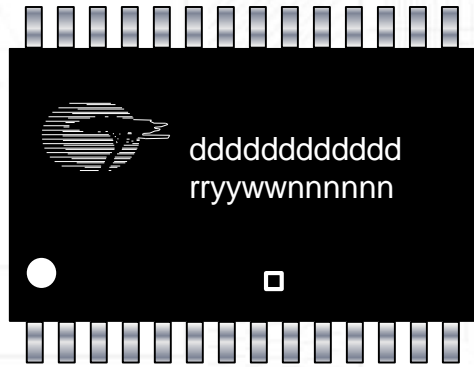
Line 3: CYP 1313 THA



Package:

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

SOIC 28L



Line 1: Marketing Part Number

Line 2: rryywnnnnnnn

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, Figure 6A
PIN135228

TSOP 44L



Line 1: Marketing Part Number

Line 2: **rrnnnnnn**

where:

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

nnnnnn - Cy assembly lot

Row3: **yyww xxx**

where:

yyww – Date Code

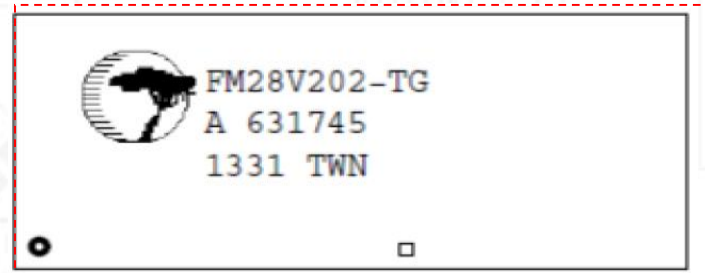
xxx – Country of origin

Example Marking Format: : FM28V202-TG

Line 1: FM28V202-TG

Line 2: A 631745

Line 3: 1331 TWN



Package:

- TSOP II 44 - 435 mils

TSOP I



Line 1: Marketing Part Number

Line 2: **rrnnnnnn**

where:

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

nnnnnn – Cy assembly lot#

Line 3: **yyww xxx**

where:

yyww – Date Code

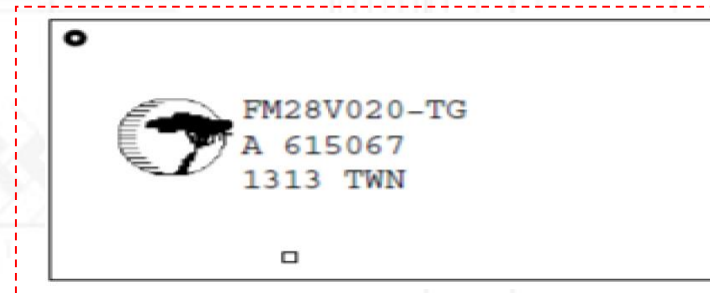
xxx – Country of origin

Example Marking Format: : FM28V020-TG

Line 1: FM28V020-TG

Line 2: A 615067

Line 3: 1313 TWN



Package:

- TSOP I 28
- TSOP I 32

FLASH PARTS





Logo - Spansion Logo

1st line – Part number (dddddddddddddd)

2nd line – Date code, die code (ywwnnnn x)

3rd line – Country of Origin (coo)

4th line – Copyright (© yy SPANSION)

Example OPN:

S34ML01G100BHV000

S34ML04G100BHI000

S34ML01G100BHI000

S25FL256SAGBHIA10

S25FL256SAGBHIA13



Packages:

VBM063 / LAD080

V2B063 / FAA064

LAA064 / LAA080

VBK048 / LAE064

FAB024 / FAC024

Note:

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

TSOP



Logo - Spansion Logo

1st line – Part number (ddddddddddddddd)

2nd line – Date code, die code (ywwnnnn x)

3rd line – Copyright (© yy SPANSION)

Example OPN:

S29GL064N90TFI04	S29GL128S90TFI010
S29GL032N90TFI04	S29GL256S90TFI020
S34ML01G200TFI000	S29GL256S90TFI010
S29GL256P90TFI010	S29GL128S90TFI020
S34ML02G100TFI000	
S34ML01G100TFI000	

Note:

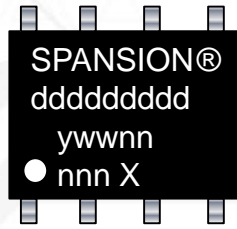


Package:

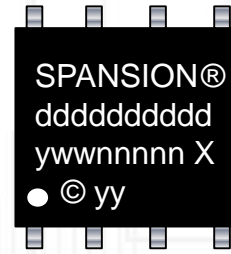
- TSOP 48
- TSOP 56

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

SOIC 8L



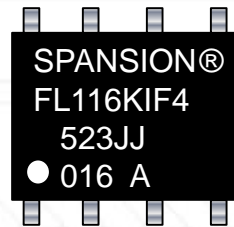
- 1st line – Logo line (SPANSION®)
- 2nd line – Part number (dddddddd)
- 3rd line – Date code (ywwnn)
- 4th line – Date code, die code (nnn X)



- 1st line – Logo line (SPANSION®)
- 2nd line – Part number (dddddddd)
- 3rd line - Date code, Die Code (ywwnnnn x)
- 4th line - Copyright (© yy)

Example OPN:

S25FL216K0PMFI041
S25FL116K0XMFI040
S25FL132K0XMFI041



SOIC 8 – 150 mils

Example OPN:

S25FL164K0XMFI011
S25FL008A0LMFI001
S25FL016A0LMFI010
S25FL032P0XMFI010
S25FL127SABMFI103



SOC 8 - 208 mils

Note:

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

SOIC 16L

SO3016 / SL3016



- Logo - Spansion Logo
- 1st line – Part number (ddddddddddd)
- 2nd line – Date code, die code (ywwnnnn X)
- 3rd line – Copyright (© yy SPANSION)

Example OPN:

- S25FL256SAGMFIG01
- S25FL512SAGMFI011
- S25FL256SAGMFI000
- S25FL128SAGMFI003
- S25FL128SAGMFMG00
- S25FL064P0XMFI001



Package:

SOIC 16 (SS316) – 300 mils

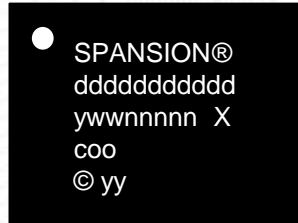
- Note:
1. Date code yww: y= last digit of the year, ww= work week, nnnnn= location code, X= die code

Reference: 37-00001, Figure 4A



Package code:

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



Logo - SPANSION®

1st line – Part number
(ddddddddd)

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

3rd line – Country of Origin
(coo)

4th line – Copyright
(© yy)

Example OPN:

S25FS256SAGNFI001

S25FS256SAGNFI003

S25FS512SAGNFI001

S25FS512SAGNFI003



Package:

- WNA008
- UNE008
- WF008
- WNG008
- WNH008

Note:

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

PLCC 32L



PL032

Logo - Spansion Logo

1st line – Part number
(ddddddd)

2nd line – Part number (extended)
(-dddd)

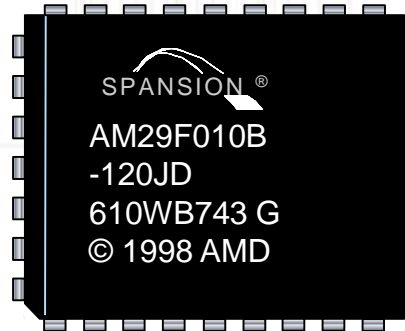
3rd line – Date code, die code
(ywwnnnn X)

4th line – Copyright
(© yyyy ZZZ)

Example OPN:

AM29F010B-120JD

AM29F040B-120PD



Note:

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

PQFP 80L

PQR080



Logo - Spansion Logo

1st line – Part number
(dddddddddddddd)

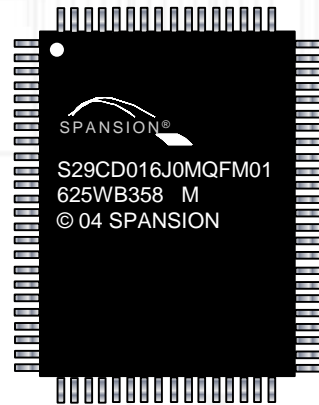
2nd line – Date code, die code
(ywwnnnnn X)

3rd line – Copyright
(© cc SPANSION)

Example OPN:

S29CD016J0MQFM01

S29CD032J0MQFI000



Note:

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

IoT PARTS



FBGA/LGA/FCBGA/QFN

P1Bddddddddd
ddddddddd
YwwBRRBFF
IIIBNNNNN
xxxbsqbc

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

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

Note:

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

Example Marking Format: CYW20734UA1KFFB3G.

● CYW20734
UA1KFFB3G
1633 AB 04
CYP 645842
TWN □ C

Packages: (mm)

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

QFN 40L/FCBGA

P1Bddddddddd
ddddddddd
YwwBRRBFF
IIIBNNNNNN
xxxbsqbc

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

Note:

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

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

Example Marking Format: CYW20736A1KWBG

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

Package: (mm)

- QFN40 – 6X6
- FCBGA – 6X6

FBGA/FCBGA

P1Bddddddddd
ddddddddd
YwwBRRB
FFBNNNNN
xxxbbsqbc

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

Note:

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

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

Example Marking Format: CYW20733A2KML1G

● CYW207
33A2KML1G
1633 AB
04 645842
TWN □ C

Package: (mm)

- FBGA66 – 5.5X4.5
- FBGA72 – 5.5X5
- FCBGA – 5.5x5.5

FBGA/QFN

P1Bddddddddd
ddddddddd
DDBYww
NNNNN
xxxbsqbc

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

Note:

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

Example Marking Format: CYW2046SB1KUFBG

● CYW20
46SB1KUF
BG 1633
645842
TWN □ C

Packages: (mm)

- FBGA65 – 5x5
- QFN32– 5X5

FBGA 62/50

P1Bddddddddd
ddddddddd
DD
YwwbNNNNNN
xxxbsqbc

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

Note:

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

Example Marking Format: CYW20713A1KUFBXG

● CYW2
713A1KU
FBXG
633 842
TWN □ C

Packages: (mm)

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

FCBGA 49

P1Bddddddddd
ddddddddd
DD
YwwbNNNNNN

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

Note:

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

Example Marking Format: CYW20704UA1KFFB1G

● CYW2
0704UA1
KFFB1G
633 842

Packages: (mm)

- FCBGA49 – 4.5X4

P1Bddddddddd
ddddddddd
DD
NNNNNN

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

Note:

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

Example Marking Format: CYW20732Y

●CYW
20732
Y 633
842

Packages: (mm)

- LGA27: 3.2X3.5

FBGA/FCBGA

P1 CYPRESS LOGO
ddddddddddddd
ddddddddddddd
YYWW RRFF
NNNNNN
xxxbsqbc

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

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

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

Example Marking Format: CYW89342CRFB4G



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

WLCSP/WLBGA

P1Bddddddddd
dddd
YwwBRRBFF
NNNNNN
xxxbsqbc

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

Note:

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

Example Marking Format: CYW43241XFKWBG

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

Packages: (mm)

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

P1Bddddddddd
dddd
YwwBRRB
FFBNNNNN
xxxbsq

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

Note:

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

Example Marking Format: CYW20736A1KWBG

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

Packages: (mm)

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

P1Bdddddddddd
ddd
Ywwbcxx
NNNNNN
Cc-RRR

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

Note:

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

Example Marking Format: CYW20736A1KWBG

● CYW207
36A1KWBG
1633 TWN
645842
CCC-RRR

Packages: (mm)

- WLCSP(FN80A) – 2.16X2.18

P1Bdddddddddd
ddd
YwwBRRBFFF
LLBNNNNN
xxxbsq
CC-RRR

Line 1: Pin1dot Marketing Part Number (1st 8 letters)
Line 2: Marketing Part Number
Line 3: Date code, BE Part, Fab Location
Line 4: CYP, Assembly lot number
Line 5: COO Pb-free square
Line 6: CC-RR for die ID location

Note:

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

Example Marking Format: CYW43241XFKWBG

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

Packages: (mm)

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

P1Bddddddddddd
ddd
Ywwbrr
fffbNNNNNN
xxxbsq
Cc-RRR

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

Note:

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

Example Marking Format: CYW20736A1KWBG

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

Packages: (mm)

- WLCSP(FN69A) – 4.53X2.93

P1
Dddddddddd
ddd
Ywwbrfff
CYPbNNNNNN
xxxbsqbC

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

Note:

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

Example Marking Format: CYW20719B0KUMLGES

●
CYW20719
B0KUMLGES
1633 AB04
CYW645842
TWN □C

Packages: (mm)

- QFN (LQ40D) – 5X5

P1Bdddddddddd
ddd
Ywwbrrff
flllbNNNNNN
xxxbsq
Cc-RRR

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

Note:

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

Example Marking Format: CYW89071A1CUBXG

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

Packages: (mm)

- WLCSP(FN42C) – 3.01X2.5

TRAVEO PARTS



FBGA/LQFP/TEQFP

ddddddddddddd
Ywweennnrrbff
lllBxxxbsqbc

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

Note:

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

Example Marking Format: CYT2B78CAAES

CYT2B78CAAES
802EE001 A 10
CYP JPN □ C

Packages: (mm)

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

FBGA/LQFP/TEQFP

ddddddddddddd
dddddd
Ywweennnrrbff
lllBxxxbsqbc


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

Note:

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

Example Marking Format: CYT2B78CAAQ0AZEGRS

CYT2B78CAAQ0
AZEGRS
802EE001 A 10
CYP JPN □ C



Packages: (mm)

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

FOR CYPRESS Bangkok (BKK)



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

6x4mm



6x5mm



8.15x6.15
mm



8x8mm



6x8mm



7.5x5mm



8x9.2mm



9x9mm



7.7x6.2mm



8x6.5mm



10x10mm



11.6x8mm



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

11x9mm



13x11mm



15x13mm



17x15mm



HISTORY PAGE

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

HISTORY PAGE

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

HISTORY PAGE

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

End of Memo

