



CYPRESS MARKING FORMAT

December 2018

- Note:

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

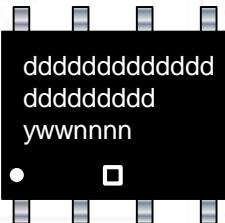


LEGEND:

Character	Meaning	Remarks
b	Blank Space	
d	Marketing Part Number	
111	CYP	11 = CY 1111111 = CYPRESS
ff	Fab Location	
rr	Backend Part Revision	
yyww	Date Code	YY = last two digit of the year WW = Workweek
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	
□	Lead free part	

SOIC 8L

Using Gold (Au) Wire

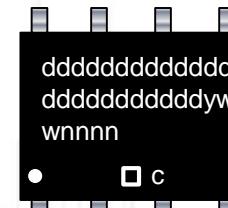


1st line (12 characters) is the marketing part number

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

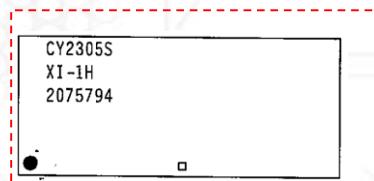
2nd line (10 characters) is the rest of the marketing part number

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:

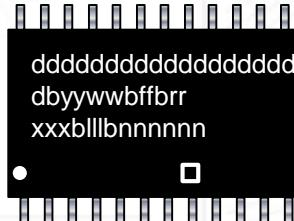
1. First line to mark the marketing part number before the first S character.
2. 2nd line the rest of the marketing part number.
3. 3rd line ywwnnnn where y= last digit of the year ww= work week nnnn= last four digits of the lot number.
4. If the marketing part number has more than 7 characters before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

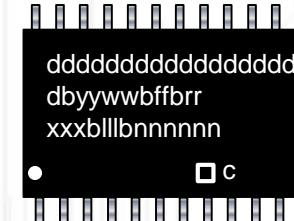


1st line (16 characters) is the marketing part number

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

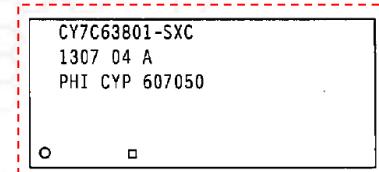
2nd line (14 characters) is the date code, fab site and backend revision

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:

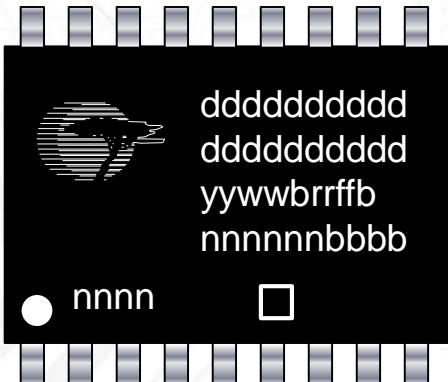
1. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN separated with a blank then wrap the rrff to the left
2. If BE Part Rev has only one character, use rbff format instead of rrff
3. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside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

Packages :

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

SOIC 16L/SOIC 18L

Using Gold (Au) Wire



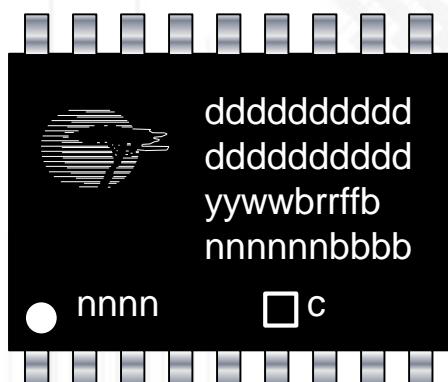
Lines 1 – 4: 10 characters per line
Line 5: 4 characters

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

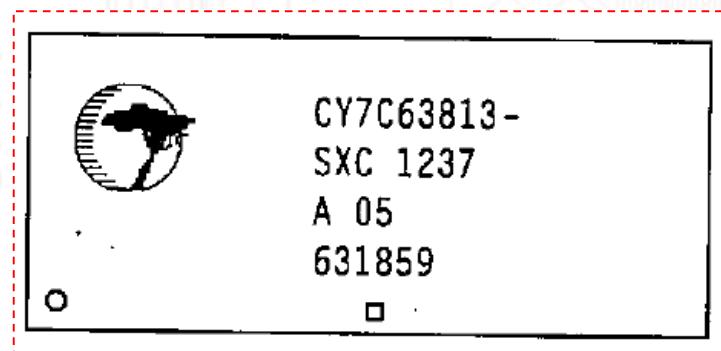
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY7C63801-SXC.

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

Note:

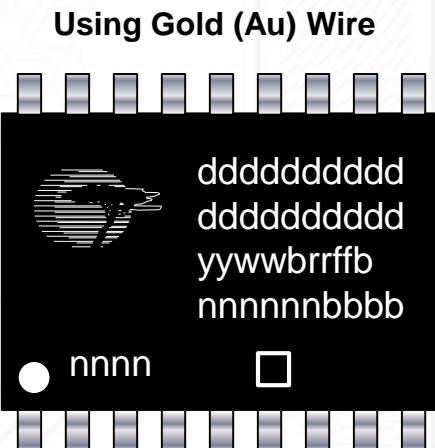
1. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside the pin 1 indicator.



Packages :

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

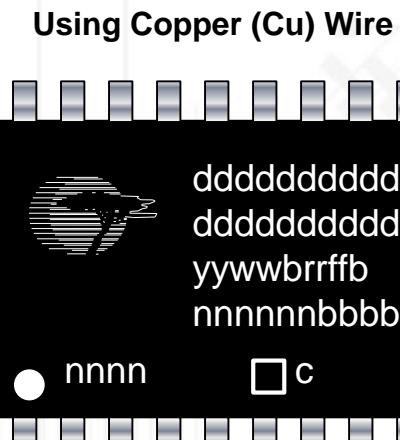
SOIC 20L/SOIC 24L



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

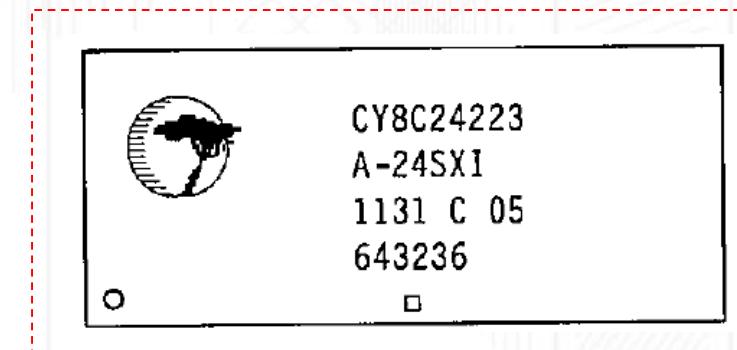
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY8C24223A-24SXI

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

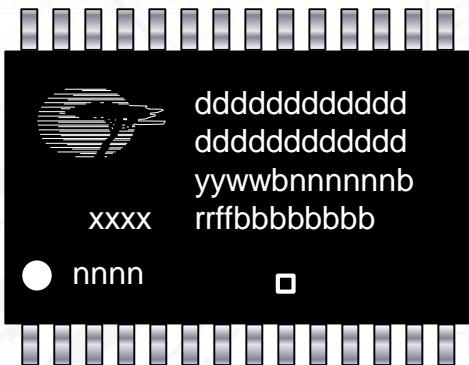
Note:

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

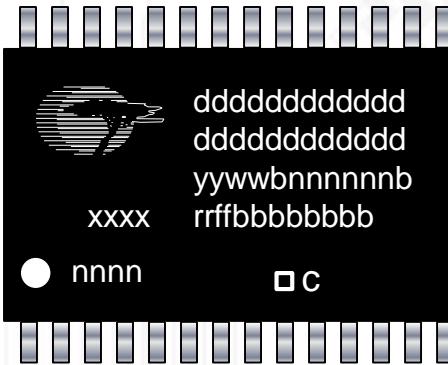
1st and 2nd line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

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

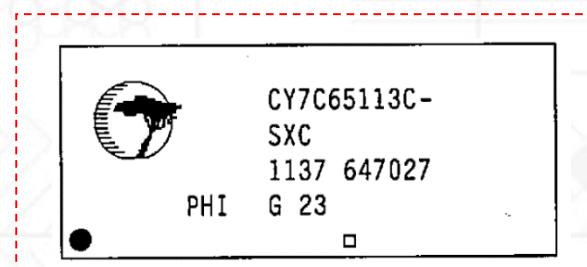
4th line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rfff.

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:

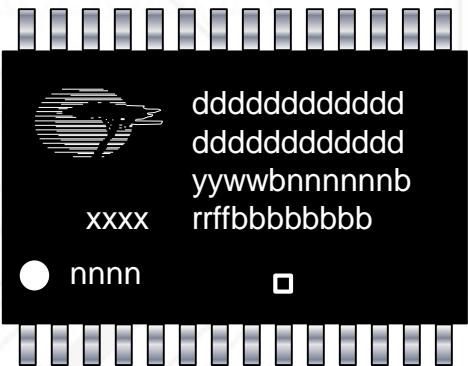
1. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash ("") falls in any character before the 12th character, break the Mkt. PN after the dash ("") then move the remaining character to the second line.
3. For Non-MIA 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

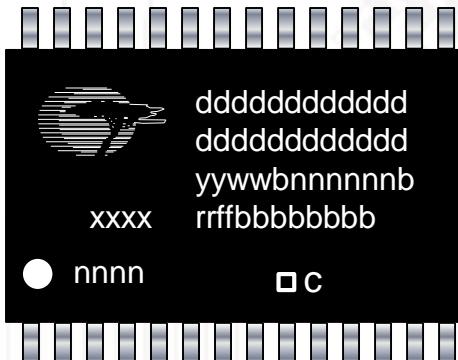
1st and 2nd line is the marketing part number. If Mkt. PN is ≤12 characters, move line 3 to line 2 then succeeding lines follows.

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 rrff.

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

Using Copper (Cu) Wire



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

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

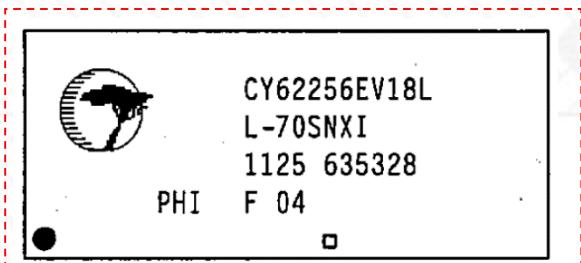
4th line is the backend revision and fab site. If BE Part Rev has only one character, then use rbff format instead of rrff.

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

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

Example Marking Format: : CY62256EV18LL-70SNXI

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



Note:

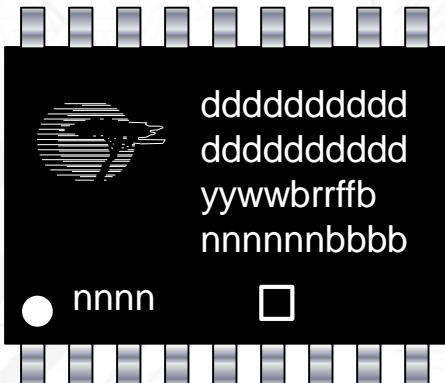
1. If Mkt. PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash (“-”) falls in any character before the 12th character, break the Mkt. PN after the dash (“-”) then move the remaining character to the second line.
3. For 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

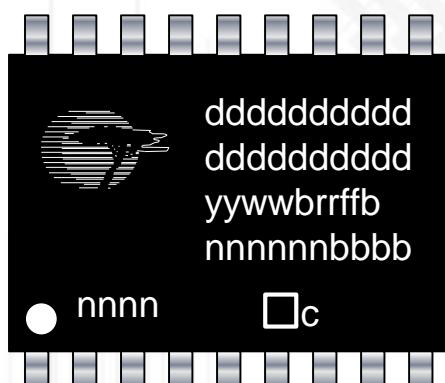


Lines 1 – 4: 12 characters per line
Line 5: 4 characters

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

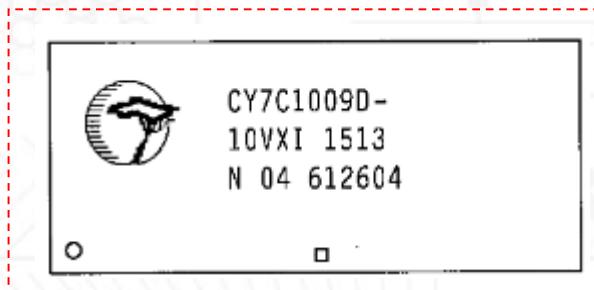
1st and 2nd line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww to the second line after the Mkt. PN.

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

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



Note:

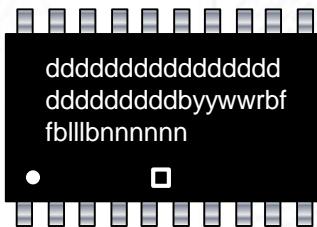
1. If Mkt PN is >12 characters, break the Mkt. PN after the 12th character then move the remaining characters to the second line.
2. If the dash (“-”) falls in any character before the 12th character, break the Mkt. PN after the dash (“-”) then move the remaining character to the second line.
3. Move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

Packages :

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

SSOP 20L/SSOP 28L

Using Gold (Au) Wire



Lines 1 – 3: 15 characters per line

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

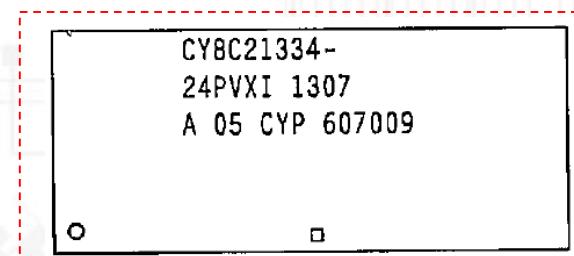
2nd line is the remaining marketing part number and datecode

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

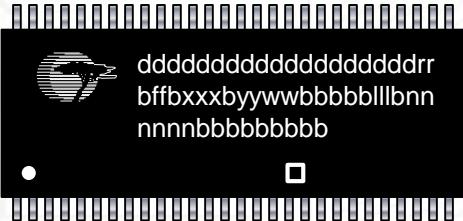


Packages :

- SOJ20 - 209 mils
- SOJ28 - 209 mils

SSOP 56L

Using Gold (Au) Wire



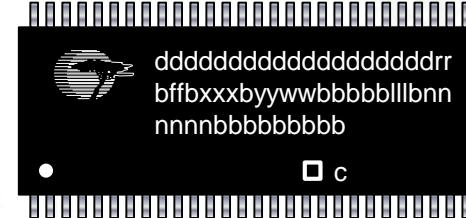
Lines 1 – 3: 19 characters per line

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

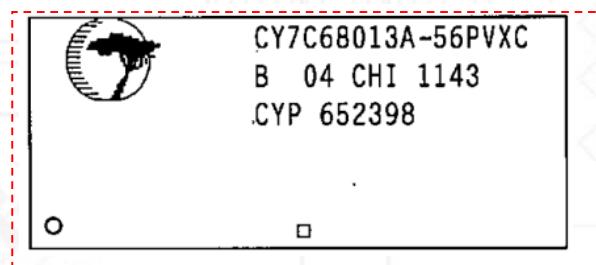
2nd line backend revision fab site, COO and date code.

3rd line is the 'CYP and the lot code

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

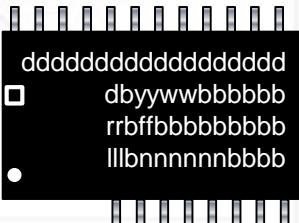
Example Marking Format: : CY7C68013A-56PVXC

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



QSOP 20L/QSOP 28L

Using Gold (Au) Wire

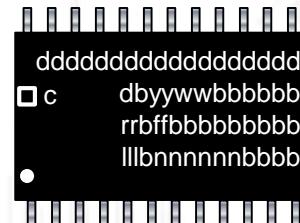


1st and 2nd line (16 characters) is the marketing part number. If total Mkt Part number characters exceed 16 characters, then first 16 characters will be mark on the unit (first and 2nd line will be used). This will be followed by the datecode.

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.

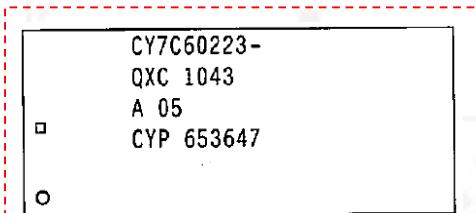
3rd line (14 characters) is the backend revision and fab site.

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:

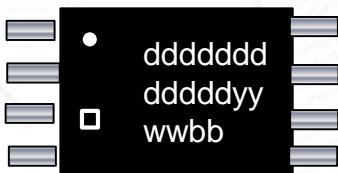
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

Packages :

- QSOP20 – 150mils
- QSIOP28 – 150mils

TSSOP 8L

Using Gold (Au) Wire

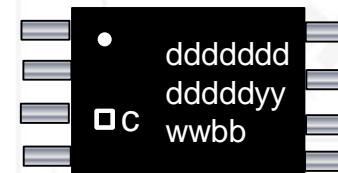


Lines 1 – 3: 6 characters per line

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

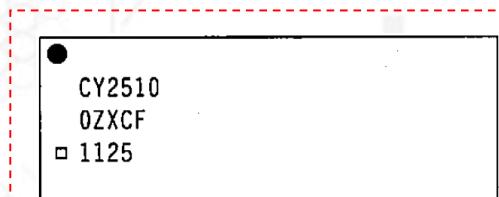
1st and 2nd line is the marketing part number

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



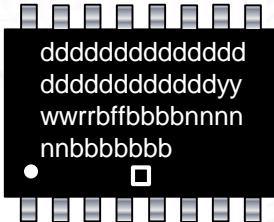
Note:

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).

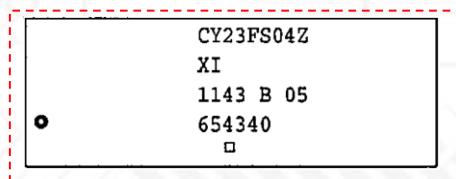
3rd line is the date code, backend revision, fab site

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:

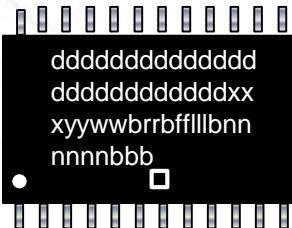
1. First 2-lines will be used for marketing part number
2. If dash (-) is used on the first 9-characters for marketing part numbers split the characters before the dash and wrap on 2nd line.
3. If dash is used on the 10th or 11th characters, ignore dash.

Packages :

- TSSOP16 – 173 mils

TSSOP 20L

Using Gold (Au) Wire



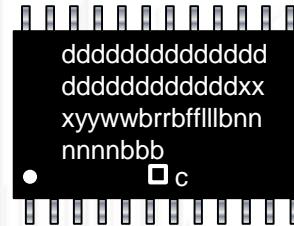
Lines 1 – 4: 13 characters per line

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

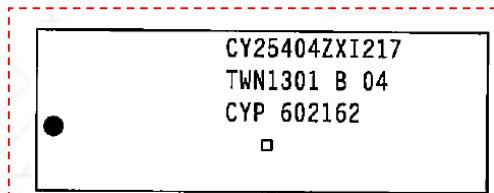
3rd line is the COO, date code, backend revision, fab site

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



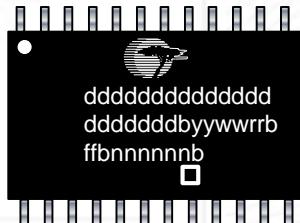
NOTES:

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.

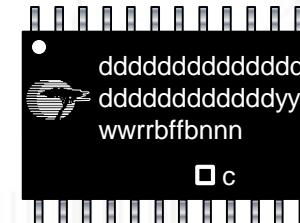
3rd line is the backend revision, fab site and the lot code

Example Marking Format: : CY62256VNLL-70ZRXI

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



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

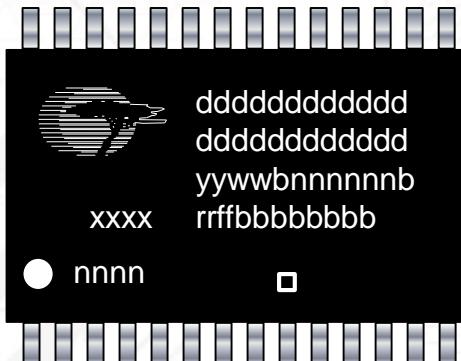
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

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

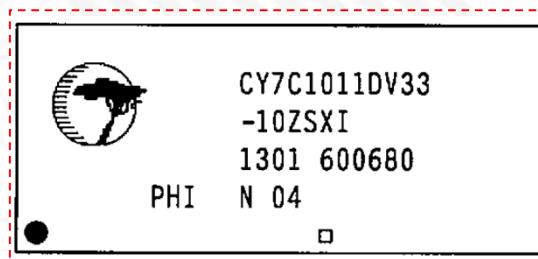
4th line is the backend revision and fab site.

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



Note:

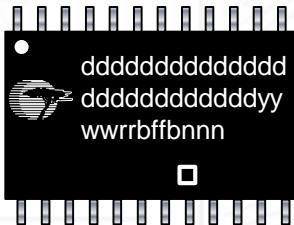
1. If the dash ("") falls in any character before the 12th character, break the Mkt. PN after the dash ("") then move the remaining character to the second line.
2. For Non-MIA devices, mark last four digits of the assembly lot number (nnnn) beside the pin 1 indicator.

Packages :

- TSOP II 32 – 435/400 mils
- TSOP II44 - 435/400 mils
- TSOP II 54 - 435/400 mils

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

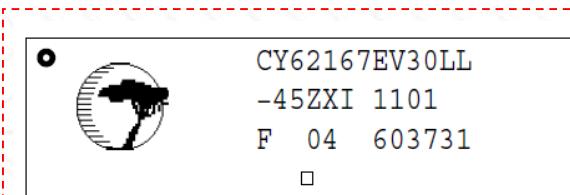
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY62167EV30LL-45ZXI

Line 1: CY62167EV30LL

Line 2: -45ZXI 1101

Line 3: F 04 603731



NOTES:

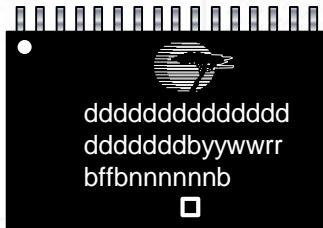
1. First 2-lines will be used for marketing part number
2. If total Mkt Part Number characters exceed 13 characters, then first characters will be mark on line 1 followed by remaining of the part number on line 2.
3. Date code follows after the part number.

Packages :

- TSOP28 – 787 mils
- TSOP48 - 787 mils

STSOP 32L

Using Gold (Au) Wire



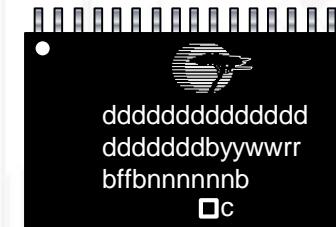
Lines 1 – 3: 13 characters per line

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

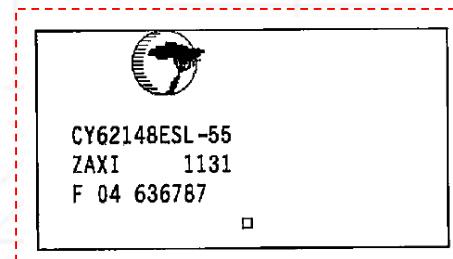
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : CY62148ESL-55ZAXI

Line 1: CY62148ESL-55

Line 2: ZAXI 1131

Line 3: F 04 636787

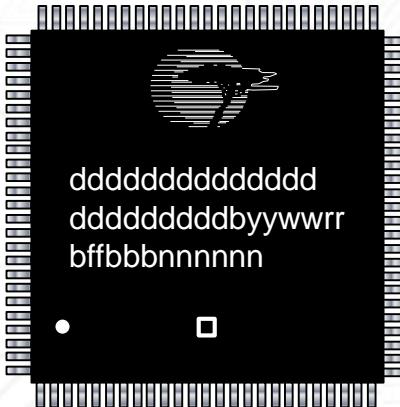


NOTES:

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

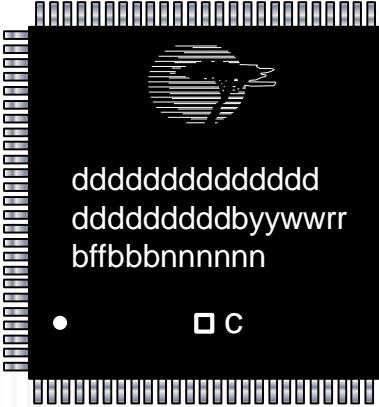


Lines 1 – 4: 14 characters per line

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

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

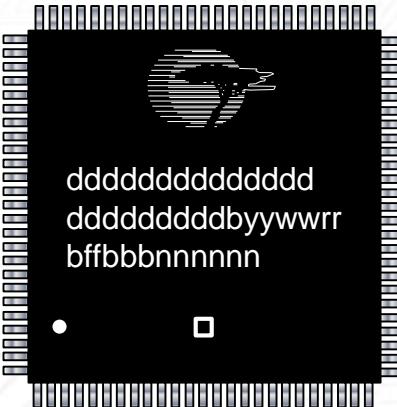


Note:

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

TQFP 32L to TQFP 144L (EXPOSED PAD)

Using Gold (Au) Wire



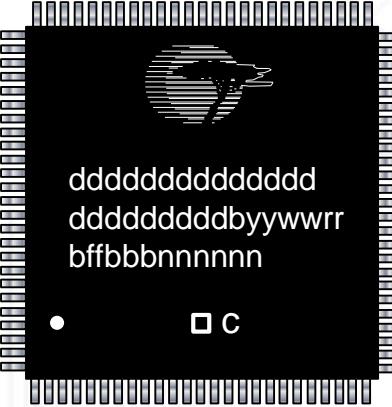
Lines 1 – 4: 14 characters per line

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.

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

4th line is the lot code

Using Copper (Cu) Wire



Lines 1 – 4: 14 characters per line

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

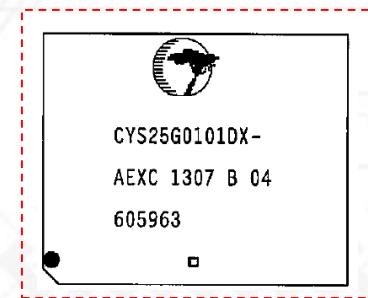
3rd line is the date code, backend revision and fab site

4th line is the lot code

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

Example Marking Format: : : CY525G101DX-AEXC

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

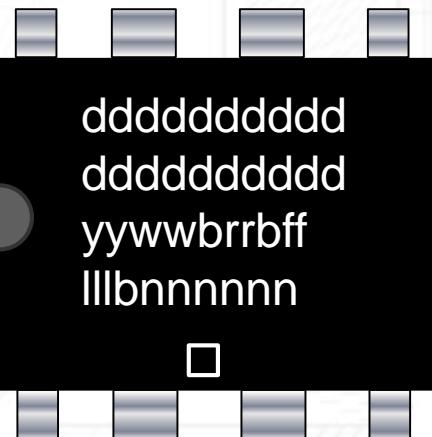


Note:

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

PDIP 8L

Using Gold (Au) Wire

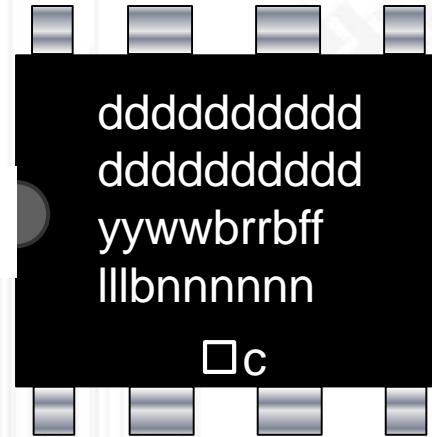


1st and 2nd line is the marketing part number.

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.

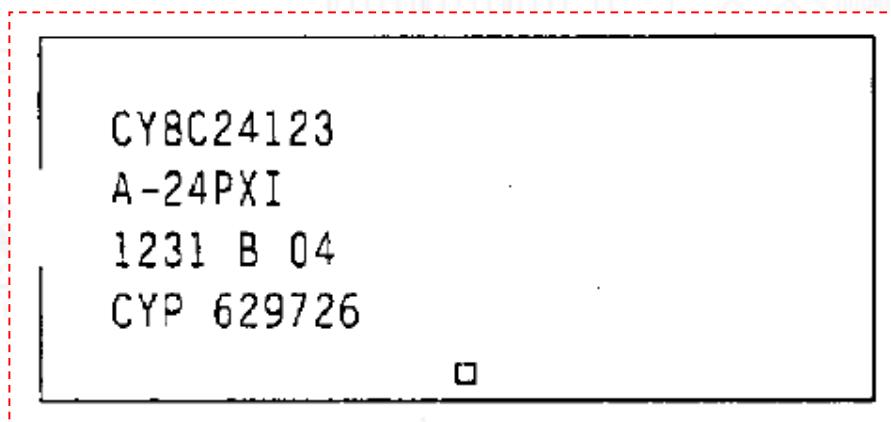
3rd line is the date code, backend revision and fab site

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

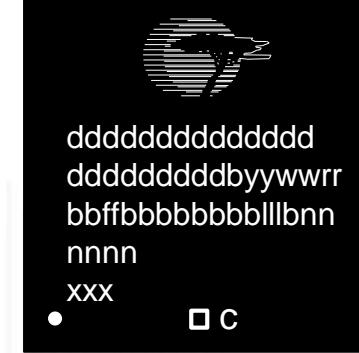
1st and 2nd line is the marketing part number. If Mkt. PN on line 2 contains ≤5 char, move yyww (date code) to the second line after the Mkt. PN.

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

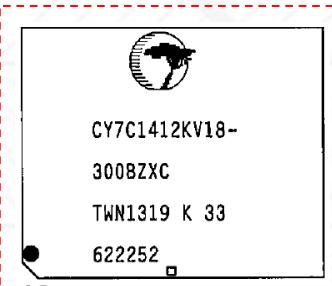
The 'C' beside the square mark (Pb-Free mark) denotes the use of copper wire.

Example Marking Format: : : CY7C1412KV18-300BZXC

Note:
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



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

Packages :

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

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

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.

Package: BGA165

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

15x13mm



17x15mm



Note:

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

L2BGA 256L

Using Gold (Au) Wire



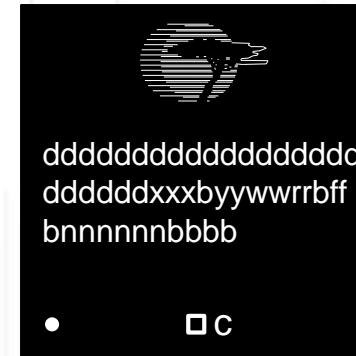
Lines 1 – 3: 16 characters per line

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

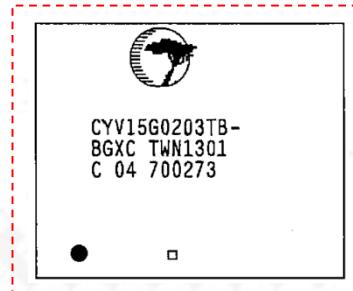
2nd line is the marketing part number followed by the COO and datecode

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-BGXC

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

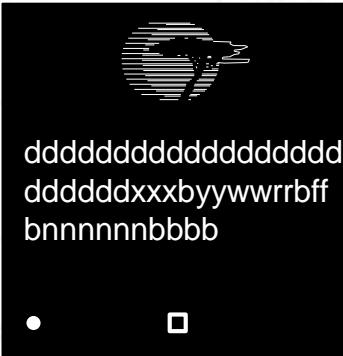


Note:

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

FCBGA 361L (WITH HEAT SPREADER)

Using Gold (Au) Wire



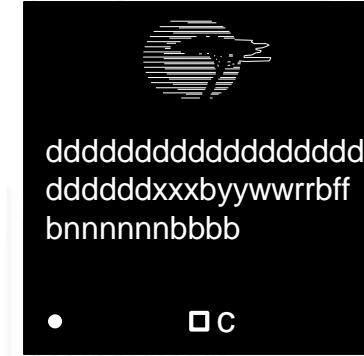
Lines 1 – 3: 16 characters per line

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

- dddddddddd
dddddऽddxx
byywwbbrrbffb
bbbblllbnnnnn
n



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

- dddddddddd
dddddऽddxx
byywwbbrrbffb
bbbblllbnnnnn
n



c

Lines 1 – 5: 10 characters per line

1st and 2nd line is the marketing part number

3rd line is the COO, and date code

4th line is the backend revision and fab site

5th line is 'CYP' and lot code

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

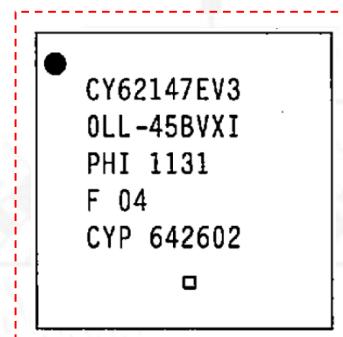
Example Marking Format: : CY62147EV30LL-45BVXI

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

- dddddddddd
dddddbyywrrbff
bxxx lllbnnnnnn



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

- dddddddddd
dddddbyywrrbff
bxxx lllbnnnnnn



Lines 1 – 4: 13 characters per line

1st line is the marketing part number

2nd line is the remaining marketing part number and datecode

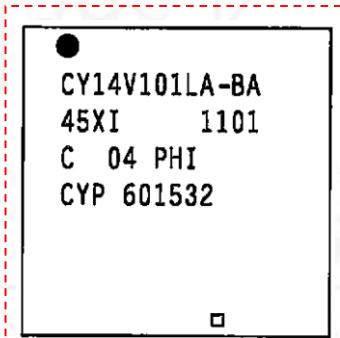
3rd line is the backend revision, fab site and COO

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

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

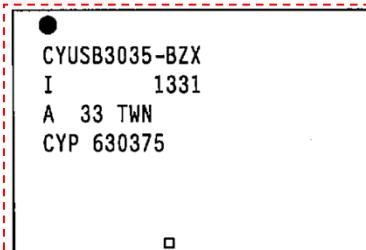


Example Marking Format: : CYUSB3035-BZXI

Part Number: CYUSB3035-BZXI
Package: BGA121

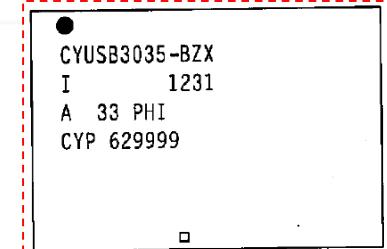
Assembly Location: ASE Taiwan

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



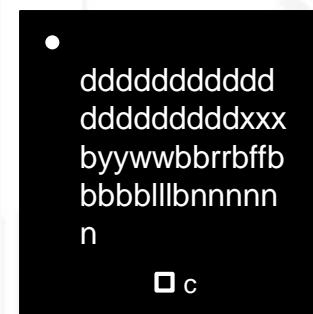
48 – 124V/FBGA

Using Gold (Au) Wire



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

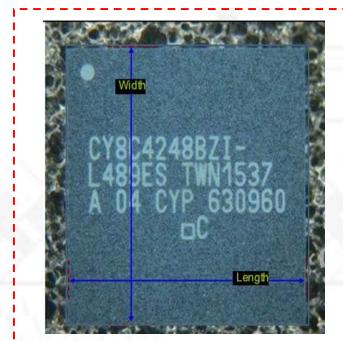


1st line Marketing Part Number
2nd line is the marketing part number followed by COO and date code
3rd line backend revision, fab site, CYP and lot code

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

- dddddddddd
dddddऽdddddxxx
byywwbbrrbffb
bbbblllbnnnnn
n



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

- dddddddddd
dddddऽdddddxxx
byywwbbrrbffb
bbbblllbnnnnn
n



c

Lines 1 – 5: 10 characters per line

1st and 2nd line is the marketing part number

3rd line is the COO, and date code

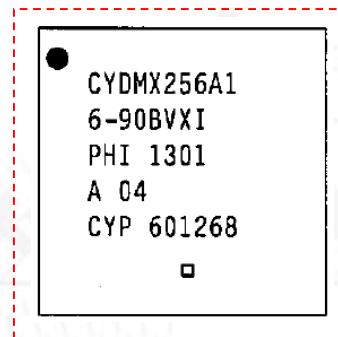
4th line is the backend revision and fab site

5th line is 'CYP' and lot code

The 'C' beside the 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

- dddddddddd
dddddssssssss
ywwbrrbbfb
lllbnnnnnn
xxx



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

- dddddddddd
dddddssssssss
ywwbrrbbfb
lllbnnnnnn
xxx



c

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

1st and 2nd line is the marketing part number

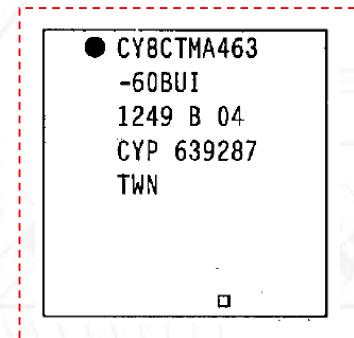
3rd line is the date code, backend revision and fab site

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 (7characters) is the marketing part number.

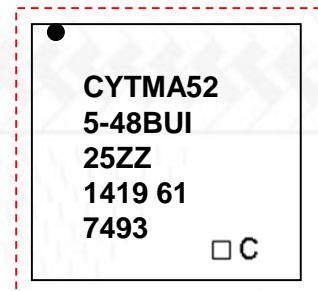
4th line (7 characters) is the datecode and lot code

5th line (4 characters) is the lotcode

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

Example Marking Format: : CYTMA525-48BUI25ZZ

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



Note:

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

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

Reference: 37-00001, Figure 125

UFBGA 60L

Using Gold (Au) Wire

- dddddddddd
dddddssssssss
yywwbrrffbb
lllbnnnnnnb
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
dddddssssssss
yywwbrrffbb
lllbnnnnnnb
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



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

Using Gold (Au) Wire

- dddddddddd
dddddssssxx
xbyywwbbrrbf
fbbbb
lllbnnnnnn

□

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

- dddddddddd
dddddssssxx
xbyywwbbrrbf
fbbbb
lllbnnnnnn

□ c

1st line is the marketing part number

2nd line is the remaining marketing part number

3rd line is the COO and the date code.

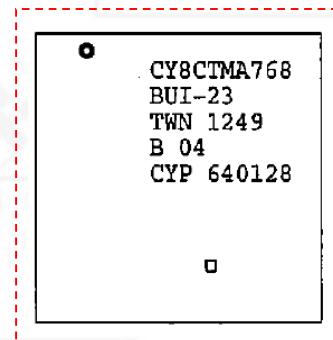
4th line is the backend revision, fab site

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

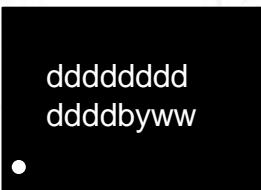


Packages :

- UFBGA 84L – 236 mils

LCC 04L TO LCC 06L

Using Gold (Au) Wire



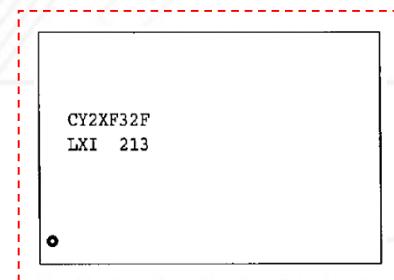
Lines 1 – 2: 8 characters per line

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

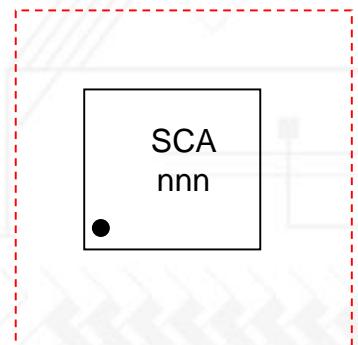


1st line (3 characters) is the 7th, 8th and 9th characters of marketing part number

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 (-)

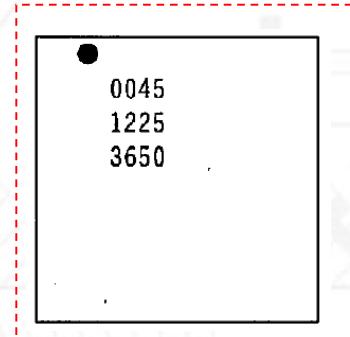
2nd line (4 characters) is the datecode

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

Reference: 37-00001, Figure 97

QFN 16L/24L/28

Using Gold (Au) Wire

- dddd
ddddd
yywwbn
nnnn
□

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

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

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

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

Using Copper (Cu) Wire

- dddd
ddddd
yywwbn
nnnn
□ c

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

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

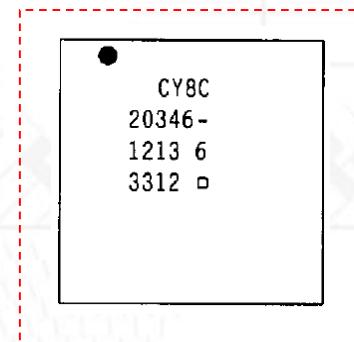
3rd line (6 characters) is the date code and the first digit of the lot code

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

- ddddddd
ddddd
yywwbxxx
nnnnnn
□

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

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

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

4th line (6 characters) is the lot code

Using Copper (Cu) Wire

- ddddddd
ddddd
yywwbxxx
nnnnnn
□ c

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

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

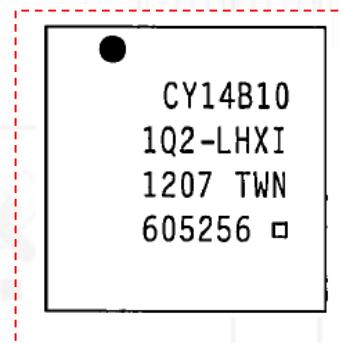
3rd line (8 characters) is the date code and the first digit of the lot code

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



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

Using Gold (Au) Wire

- ddddddd
ddddd
yywwbxxx
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

- ddddddd
ddddd
yywwbxxx
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

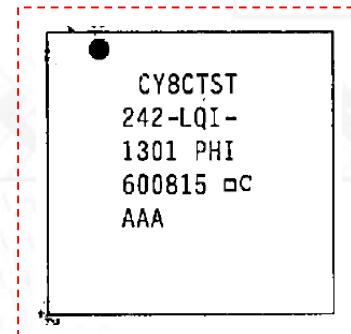
4th line (6 characters) is the lot code

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

- dddddddd
dddddwww
yywwbrbff
lllnnnnnn
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

- dddddddd
dddddwww
yywwbrbff
lllnnnnnn
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

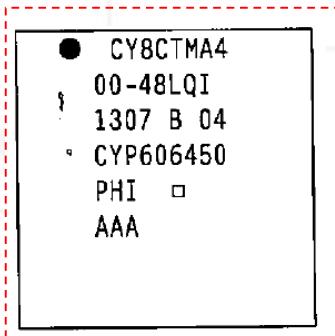
5th line is the COO

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



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

- ddddd dddd dddd
ddddd bbyy wwrrb ff
bxxx lllb nnnnnn
AAA

□

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

- ddddd dddd dddd
ddddd bbyy wwrrb ff
bxxx lllb nnnnnn
AAA

□ c

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

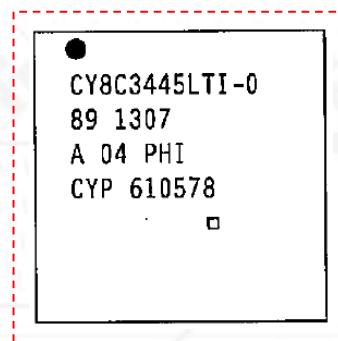
4th line is 'CYP' and lot code

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

- dddddddddd
dddddऽdddddyy
wwbrrbffblllbnn
nnnnbxxx



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

- dddddddddd
dddddऽdddddyy
wwbrrbffblllbnn
nnnnbxxx



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

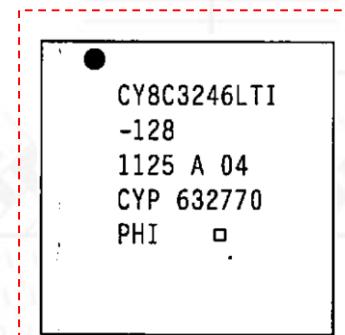
4th line is 'CYP' and lot code

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

- dddddddddd
dddddyyyy
wwbrrbblllbn
nnnnbxxx
AAA

□

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

- dddddddddd
dddddyyyy
wwbrrbblllbn
nnnnbxxx

□ c

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

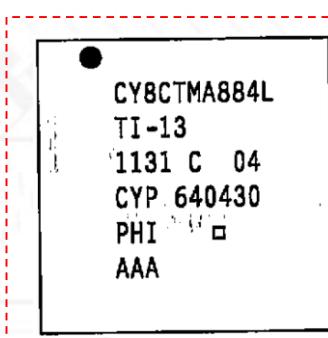
5th line (3 characters) is COO

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 □

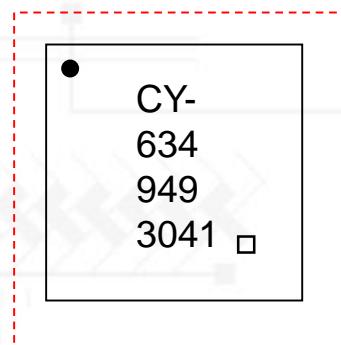
1st and 2nd line (3 characters)
is the marketing part number

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

- dddddddddd
dddddऽddddd
dddbyyyww
rrff
nnnnnn



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

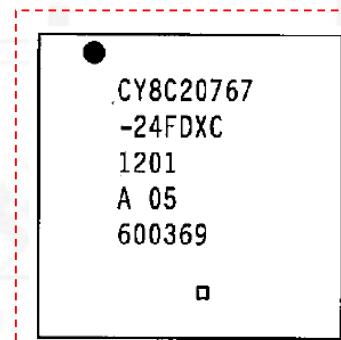
3rd line (9 characters) is the remaining part number and the date code

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



WLCSP 49L

Using Gold (Au) Wire

- dddddddddd
dddddऽddddd
dddddऽdddxxx
byyww
nnnnnn

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

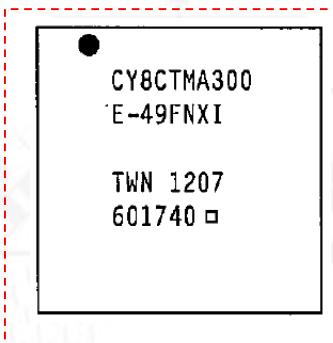
4th line (8 characters)
is the COO and datecode

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 – 3.2x3.2 mm

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

Using Gold (Au) Wire

- dddddddddd
dddddऽddddd
dddddऽdddxxx
byyww
rrff
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

- dddd
ddddd
yywwbn
nnnn

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

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

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

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

Using Copper (Cu) Wire

- dddd
ddddd
yywwbn
nnnn
 c

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

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

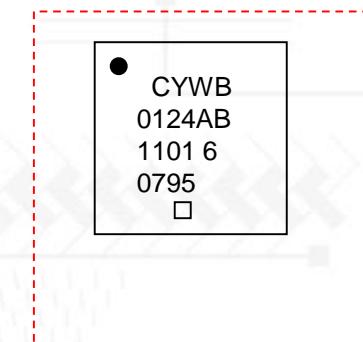
3rd line (6 characters) is the date code and the first digit of the lot code

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.

WLCSP 35L/60L/72L/96L

Using Gold (Au) Wire

- dddddddddd
dddddldddd
yywwbrrffb
xxxbnnnnnn



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

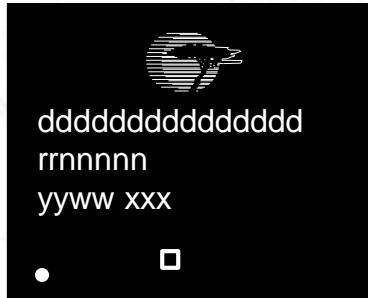
Packages :

- 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: **rrnnnnn**

where:

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

nnnnnn – Cy assembly lot#

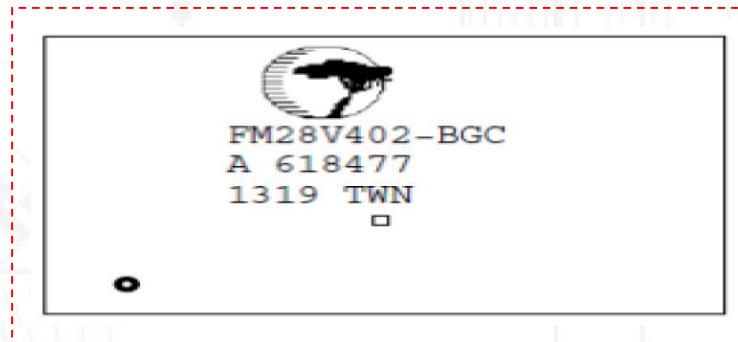
Line 3: **yyww** - Date Code, **xxx** – Country of origin

Example Marking Format: : FM28V402-BGC

Line 1: FM28V402-BGC

Line 2: A 618477

Line 3: C 1319 TWN



Reference: 37-00001, Figure 50
PIN135228



DFN 8L



Line 1: Truncated Marketing Part Number

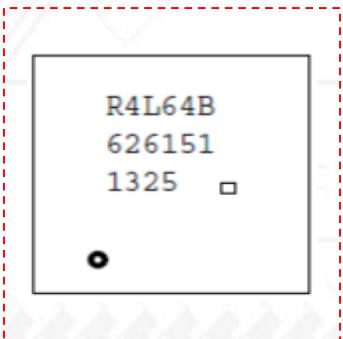
Line 2: **nnnnnn** - Cy assembly lot#

Line 3: **yyww** - Date Code

➤ 3x3mm 8 lead TDFN will NOT have square mark

Example Marking Format: : FM24CL64B-DG

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



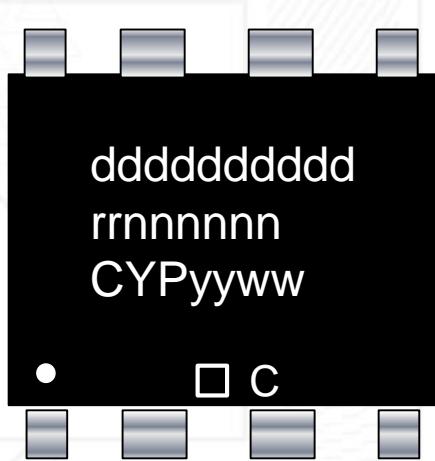
Package: LH, LF, LY, LU (QFN/DFN Pb-free)



Reference: 37-00001, Figure 48

PIN135228

PDIP 8L



Line 1: Marketing Part Number

Line 2: rrnnnnnn

where:

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

nnnnnnn - Cy assembly lot#

Line 3: CYPyyww

where:

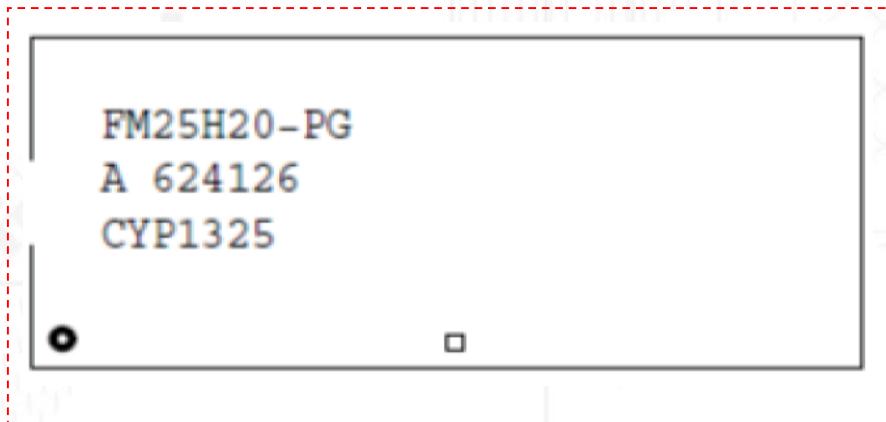
CYP - Cypress

yyww- Date Code

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

Example Marking Format: FM25H20-PG

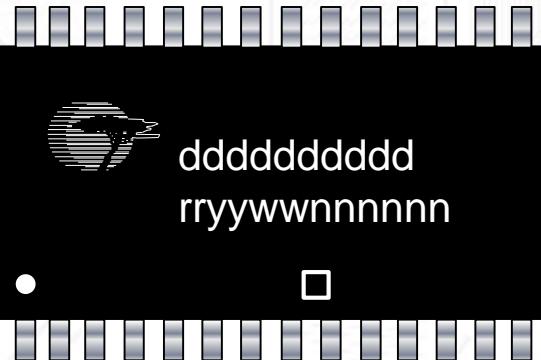
Line 1: FM25H20-PG
Line 2: A 624126
Line 3: CYP1325



Package:

- PDIP 8L – 300 mils

PDIP 28L



Line 1: Marketing Part Number

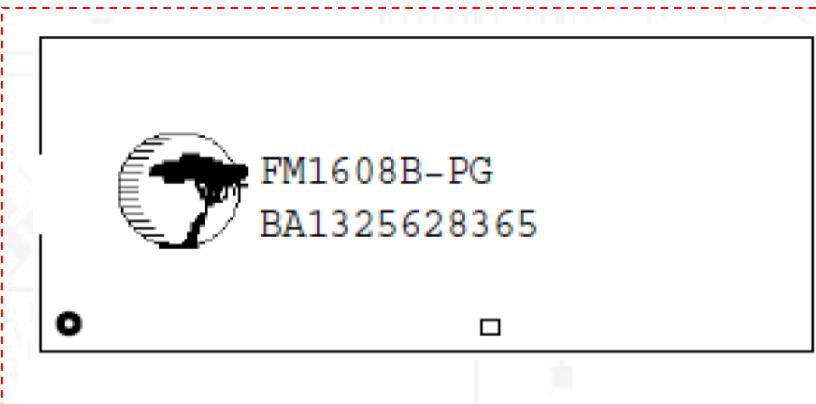
Line 2: **rrYYWWnnnnnn**

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

Reference: 37-00001, Figure 3A
PIN135228

EIAJ 8L



Row1: Marketing Part Number

Row2: **rrnnnnnn**

where:

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

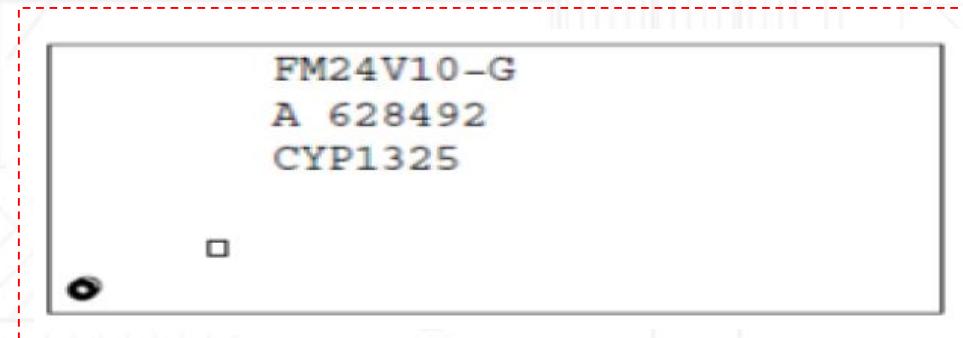
Row3: **CYPyyww**

where:

CYP – Cypress
yyww - Date Code

Example Marking Format: FM24V10-G

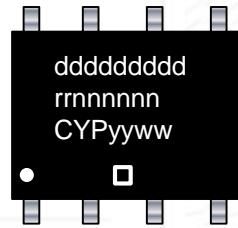
Line 1: FM24V10-G
Line 2: A 628492
Line 3: CYP1325



Package:

- EIAJ 8L – 209 mils

SOIC 8L



Line 1: Marketing Part Number

Line 2: rrnnnnnn

where:

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

nnnnnnn- Cy assembly lot# n

Line 3: CYPyyww

where:

CYP – Cypress

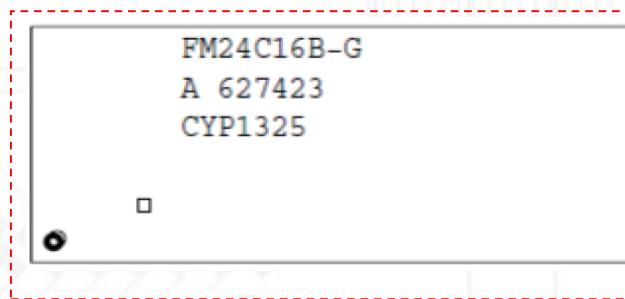
yyww- Date Code

Example Marking Format: FM24C16B-G

Line 1: FM24C16B-G

Line 2: A 627423

Line 3: CYP1325

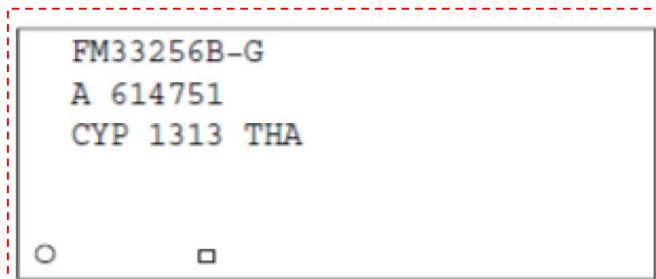


SOIC 14L – SOIC 16L



Example Marking Format: FM33256B-G

Line 1: FM33256B-G
Line 2: A 614751
Line 3: CYP 1313 THA



Line 1: Marketing Part Number

Line 2: rrnnnnnn

where:

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

nnnnnnn- Cy assembly lot#

Line 3: CYP yyww xxx

where:

CYP – Cypress

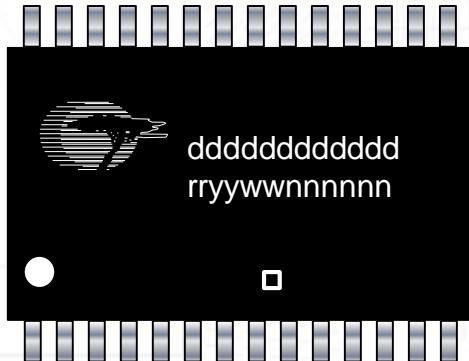
yyww – Date Code

xxx – Country of origin

Package:

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

SOIC 28L



Line 1: Marketing Part Number

Line 2: **rryywwnnnnnn**

where:

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

yyww – Date Code

nnnnnn- Cy assembly lot#

Example Marking Format: : FM1608B-SG

Line 1: FM1608B-SG
Line 2: B 1325628495

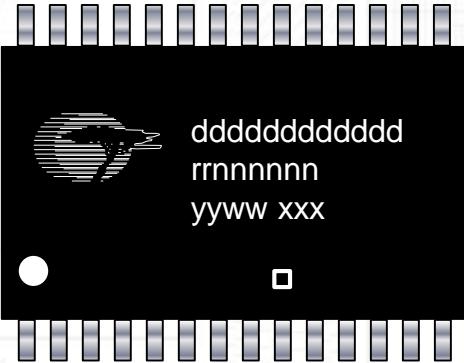


Package:

- SOIC 28 – 300 mils

Reference: 37-00001, Figure 6A
PIN135228

TSOP 44L



Line 1: Marketing Part Number

Line 2: **rrrrrrrr**

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

Row3: **yyww xxx**

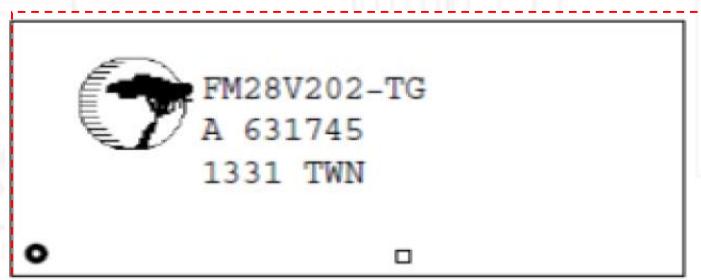
where:
yyww – Date Code
xxx – Country of origin

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

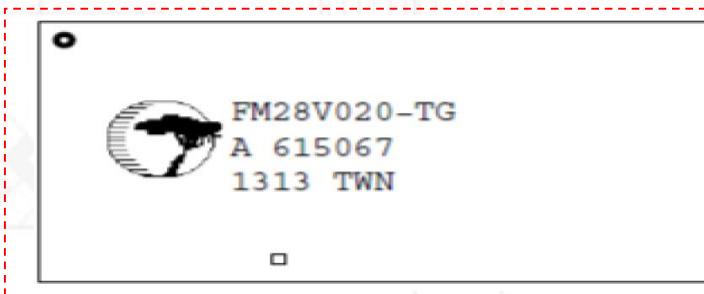
xxx – Country of origin

Example Marking Format: : FM28V020-TG

Line 1: FM28V020-TG

Line 2: A 615067

Line 3: 1313 TWN



Package:

- TSOP I 28
- TSOP I 32

Reference: 37-00001, Figure 37
PIN135228

FLASH PARTS



Logo - Spansion Logo

1st line – Part number (ddddddddd X)

2nd line – Date code, die code (ywwnnnnn 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



Logo - Spansion Logo

1st line – Part number (ddddd dddd dddd dddd)

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

3rd line – Copyright (© yy SPANSION)

Example OPN:

S29GL064N90TFI04

S29GL128S90TFI010

S29GL032N90TFI04

S29GL256S90TFI020

S34ML01G200TFI000

S29GL256S90TFI010

S29GL256P90TFI010

S29GL128S90TFI020

S34ML02G100TFI000

S34ML01G100TFI000

Note:

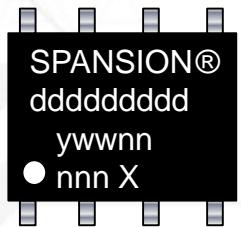
1. Date code yww: y= last digit of the year, ww= work week, nnnnn= location code, X= die code



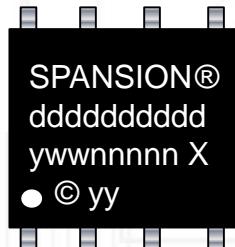
Package:

- TSOP 48
- TSOP 56

SOIC 8L



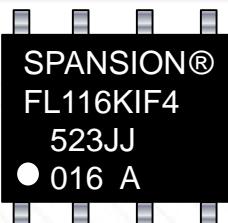
1st line – Logo line (SPANSION ®)
2nd line – Part number (ddddddddd)
3rd line – Date code (ywwnn)
4th line – Date code, die code (nnn X)



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

Example OPN:

S25FL216K0PMFI041
S25FL116K0XMF1040
S25FL132K0XMF1041



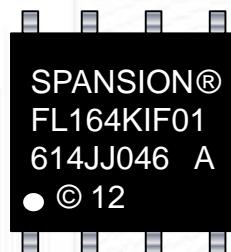
SOIC 8 – 150 mils

Note:

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

Example OPN:

S25FL164K0XMF1011
S25FL008A0LMFI001
S25FL016A0LMFI010
S25FL032P0XMF1010
S25FL127SABMFI103



SOC 8 - 208 mils

SOIC 16L

SO3016 / SL3016



Logo - Spansion Logo

1st line – Part number
(ddddddddd dddd)

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

3rd line – Copyright
(© yy SPANSION)

Example OPN:

S25FL256SAGMFIG01

S25FL512SAGMFI011

S25FL256SAGMFI000

S25FL128SAGMFI003

S25FL128SAGMFMG00

S25FL064P0XMF001



Package:

SOIC 16 (SS316) – 300 mils

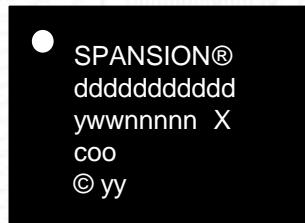
Note:

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
(dddddd dddd)**

**2nd line – Date code, die code
(ywwnnnnn 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
(ddddddddd)

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

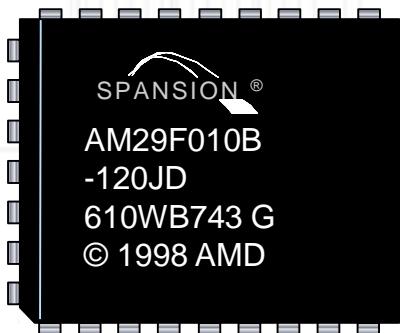
3rd line – Date code, die code
(ywwnnnnn X)

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, nnnnn= location code, X= die code

PQFP 80L

PQR080



Logo - Spansion Logo

1st line – Part number
(ddddd ddd ddd ddd ddd)

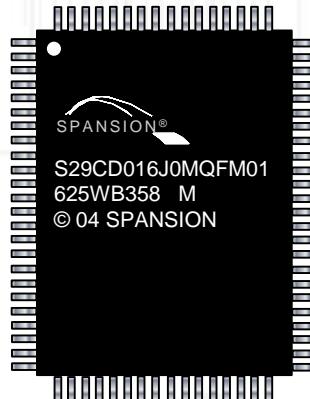
2nd line – Date code, die code
(ywwnnnnn X)

3rd line – Copyright
(© cc SPANSION)

Example OPN:

S29CD016J0MQFM01

S29CD032J0MQFI000



Note:

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

IoT PARTS

FBGA/LGA/FCBGA/QFN

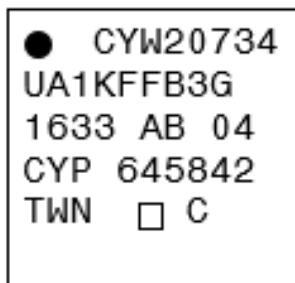
P1Bddddddddd
dddddBBBBB
YwwBRRBFF
IIIBNNNNNN
xxxbbbsqbc

- 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 FCFBGA/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.



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
dddddBBBBB
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

No: "C" Marking is required for FCFBGA/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: CYW20736A1KWBG

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

Package: (mm)

- QFN40 – 6X6
- FCBGA – 6X6

FBGA/FCBGA

P1Bddddddddd
dddddBBBBB
YwwBRRB
FFBNNNNNNN
xxxbsqbc

- 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 FCFBGA/RFCFBGA.

Example Marking Format: CYW20733A2KML1G

● CYW207
33A2KML1G
1633 AB
04 645842
TWN □ C

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

FBGA/QFN

P1Bddddddddd
dddddBBBBB
DDBYww
NNNNNN
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

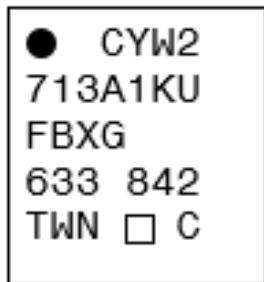
FBGA 62/50

P1Bddddddddd
dddddBBBBBB
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



Packages: (mm)

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

FCBGA 49

P1Bddddddddd
dddddBBBBBB
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



Packages: (mm)
• FCBGA49 – 4.5X4

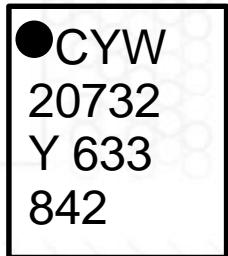
P1Bddddddddd
dddddBBBBBB
DD
NNNNNN

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



Packages: (mm)

- LGA27: 3.2X3.5

FBGA/FCBGA

P1 CYPRESS LOGO
ddddddddd
ddddd
YYWW RRFF
NNNNNN
xxbbbsqbc

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
ddddd
YwwBRRBFF
NNNNNN
xxxbbsqbc

- 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
ddddd
YwwBRRB
FFBNNNNN
xxxbbsq

- 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

P1Boooooooooooo
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

P1Bddddddddd
ddd
YwwBRRBFFF
LLLBNNNNNN
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

P1Boooooooooooo
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
Ywwbrrff
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



- Packages: (mm)
• QFN (LQ40D) – 5X5

P1Boooooooooooo
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



CYPRESS[®]
EMBEDDED IN TOMORROW™

FBGA/LQFP/TEQFP

ddddddddd
Ywweennnnbrrbff
IIIBxxxbsqbc

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

Note:

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

Example Marking Format: CYT2B78CAAES



Packages: (mm)

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

FBGA/LQFP/TEQFP

ddddddddd
ddddd
Yweennnbrrbf
IIIBxxbbsqbc

- 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: CYT2B78CAAQ0AZEGS



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">1. Updated Slide 38 title from BGA 36 – BGA48 to BGA36, BGA38, BGA60 AND BGA1212. Added Example 2 for BGA121 package
Rev. 8	HLR	<ol style="list-style-type: none">1. Changed RAMTRON name to FRAM.2. Added the marking format for uFBGA 48.
Rev. 9	HLR	Corrected the position of leads for FRAM- TSOPI 28L and TSOPI 32L
Rev. 10	HLR	Added the marking format for 60 balls WLCSP and 35 balls WLCSP based on Fig. 127. 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">1. Updated Cypress Logo2. Added available package width size based on spec 37-000013. Deleted Figure 50 on page 67 and Figure 52 on page 63 to align in spec 37-000014. 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">1. Added Legacy Spansion Marking Format2. Added package size on page 4 and corrected the reference from Figure 45 to Figure 333. 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	Added Square Mark on Page 1 Deleted the following inactive packages for Cypress Legacy part. <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. Corrected QFN68 from QFN48/56 on page 42 Change from SSOP34 – SSOP 56 to SSOP48/SSOP 56 on page 13 Added Cypress BKK for 165BGA 15x13mm and 17x15mm on page 34 Added marking information for Cypress BKK on level traceability ID on page 91 and 92 Added WLCSP72L/96L package code on page 50 Added 48-124/FBGA on page 29 Change VFBGA56L/VFBGA 84 to VFBGA 36L – VFBGA100L FRAM Part: Added package code for DFN 8L on page 53 Added package SOIC 16 on page 58

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>

End of Memo