

**PRODUCT CHANGE NOTIFICATION COVERSHEET**

**CTS Part Number:** Model 632, 636, CB1V8, CB2V5

**Product Description:** HCMOS Clock Oscillator

**Customer:** Various

**Customer Part Number:** NA



**Change Notification Only - No Customer Response Required**



**Customer Authorization Required - Please Confirm Acceptance by E-Mail**

**Reason for PCN:** Change notification for revised product marking format.

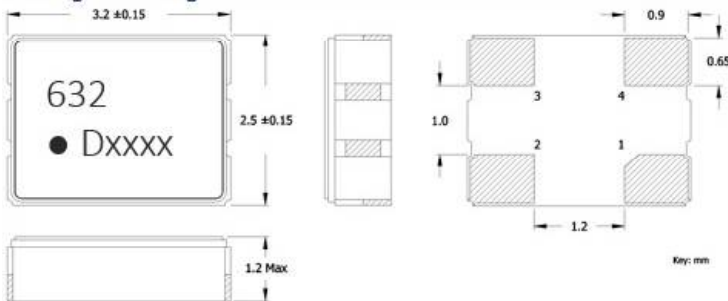
**Description for Change:** Product marking will change as follows.

**Model 632 [drawing 008-0328-0]**

Change To - New Format, Revision F]

**Mechanical Specifications**

Package Drawing



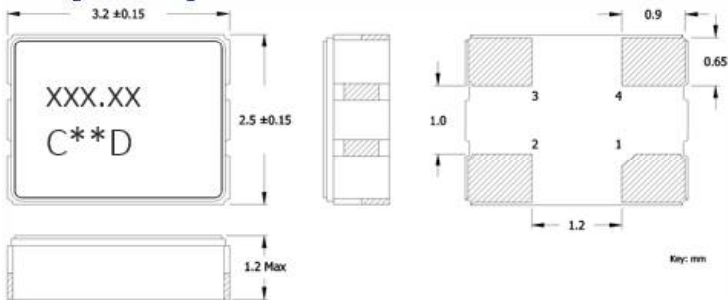
Marking Information

1. 632 – CTS Model.
2. D – Date Code. See Table I for codes.
3. xxxx – Frequency Code.  
3-digits, frequencies below 100MHz  
4-digits, frequencies 100MHz or greater  
[See document 016-1454-0, Frequency Code Tables.]

Change From - Old Format, Revision E]

**Mechanical Specifications**

Package Drawing



Marking Information

1. xxx.xx – Frequency in MHz.  
Frequency is marked with 1 - 3 leading significant digits before and 2 significant digits [including zeroes] after the decimal.

Marking Examples:

3.57954MHz = 3.57  
14.31818 MHz = 14.31  
125MHz = 125.00

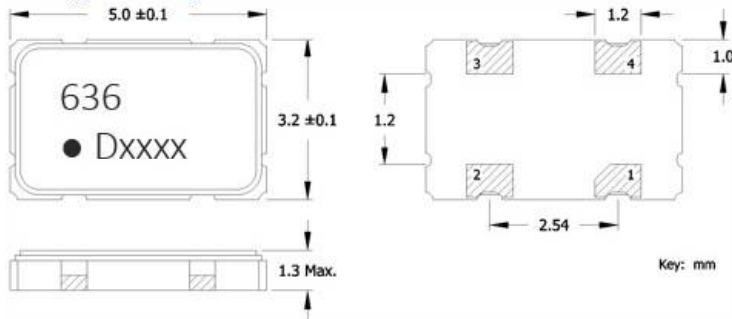
2. C – CTS and Pin 1 identifier.
3. \*\* – Manufacturing Site Code.
4. D – Date Code. See Table I for codes.

**Model 636 [drawing 008-0250-0]**

Change To - New Format, Revision J]

**Mechanical Specifications**

Package Drawing



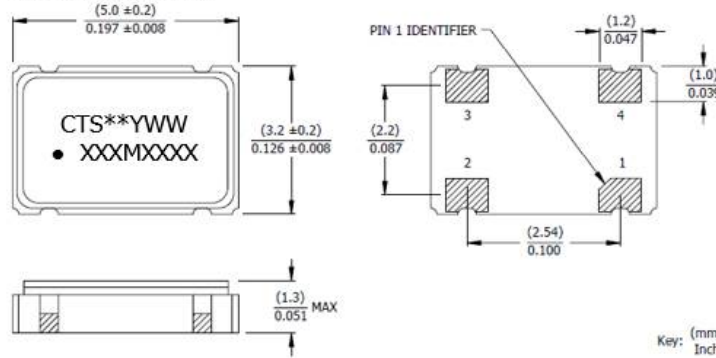
**Marking Information**

1. 636 – CTS Model.
  2. D – Date Code. See Table I for codes.
  3. xxxx – Frequency Code.  
3-digits, frequencies below 100MHz  
4-digits, frequencies 100MHz or greater
- [See document 016-1454-0, Frequency Code Tables.]

Change From - Old Format, Revision I]

**MECHANICAL SPECIFICATIONS**

PACKAGE DRAWING



**MARKING INFORMATION**

1. \*\* - Manufacturing Site Code.
2. YWW – Date code, Y – year, WW – week.
3. XXXMXXXX – Frequency is marked with only leading significant digits before the 'M' and 4 digits after the 'M' [including zeros].  
Ex. XXMXXXX [62M5000]  
XXMXXXX [155M5200]

**NOTES**

1. JEDEC termination code (e4). Barrier-plating is nickel [Ni] with gold [Au] flash plate.
2. Reflow conditions per JEDEC J-STD-020, +260°C maximum, 20 seconds.
3. MSL = 1.

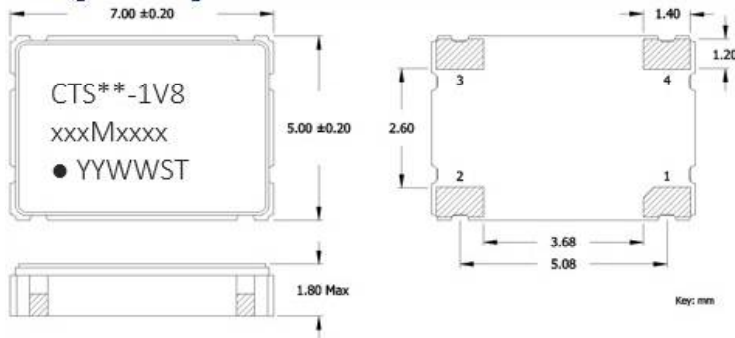
**D.U.T. PIN ASSIGNMENTS**

**Model CB1V8 [drawing 008-0277-0]**

Change To - New Format, Revision C]

**Mechanical Specifications**

Package Drawing



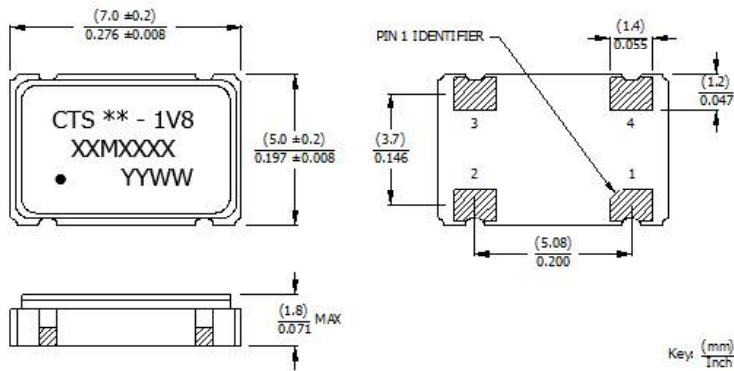
**Marking Information**

1. \*\* – Manufacturing Site Code.
2. xxxMxxxx – Frequency is marked with 1,2 or 3 leading significant digits before the “M” and 4 digits after the “M” [including zeroes].  
Ex. xMxxxx [3M5795]  
xxMxxxx [14M3181]  
xxMxxxx [25M0000]  
xxxMxxxx[125M0000]
3. YYWW – Date Code; YY = year, WW = week.
4. ST – Frequency Stability/Temperature Code.  
[Refer to ordering information for codes.]

Change From - Old Format, Revision B]

**MECHANICAL SPECIFICATIONS**

PACKAGE DRAWING



**MARKING INFORMATION**

1. \*\* - Manufacturing Site Code.
2. XXMXXXX - Frequency marked with 4 significant digits after the 'M'.
3. YYWW – Date code, YY – year, WW – week.

**NOTES**

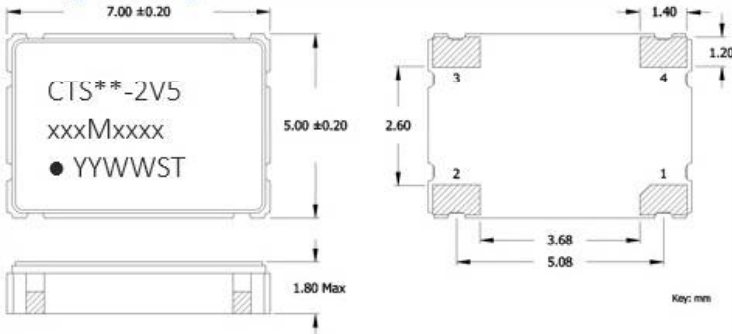
1. Termination pads (e4), barrier-plating is nickel (Ni) with gold (Au) flash plate.
2. Reflow conditions per JEDEC J-STD-020.

**Model CB2V5 [drawing 008-0281-0]**

Change To - New Format, Revision C

**Mechanical Specifications**

Package Drawing



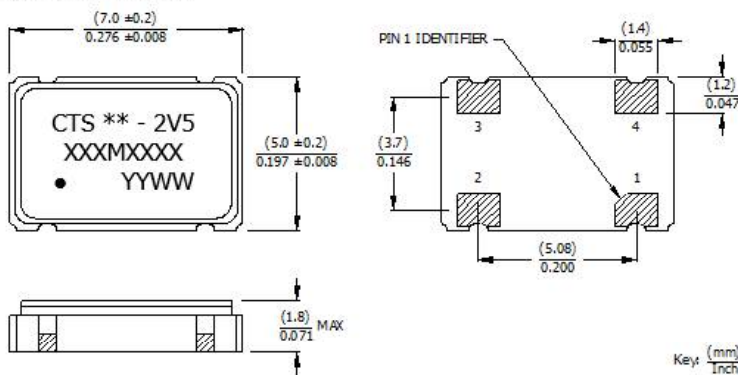
Marking Information

1. \*\* – Manufacturing Site Code.
2. xxxMxxxx – Frequency is marked with 1,2 or 3 leading significant digits before the “M” and 4 digits after the “M” [including zeroes].  
Ex. xMxxxx [3M5795]  
xxMxxxx [14M3181]  
xxMxxxx [25M0000]  
xxxMxxxx[125M0000]
3. YYWW – Date Code; YY = year, WW = week.
4. ST – Frequency Stability/Temperature Code.  
[Refer to ordering information for codes.]

Change From - Old Format, Revision B

**MECHANICAL SPECIFICATIONS**

PACKAGE DRAWING



MARKING INFORMATION

1. \*\* - Manufacturing Site Code.
2. XXXMXXXX - Frequency marked with 4 significant digits after the 'M'.
3. YYWW – Date code, YY – year, WW – week.

**NOTES**

1. Termination pads (e4), barrier-plating is nickel (Ni) with gold (Au) flash plate.
2. Reflow conditions per JEDEC J-STD-020.

**Change Instructions:** NA

**Implementation Date:** Factory will transition to new marking format per the following schedule. During these time periods there may be shipments that overlap with old and new revision marking formats, and will be fully implemented by 07/29/2022.

- Model 632: month of July 2022, date code U
- Model 636: month of July 2022, date code U
- Model CB1V8: last week of June, date code 2227
- Model CB2V5: last week of June, data code 2227

**Notes:** Marking change will not affect form-fit-function of device, inventory currently at customers or CTS Distributors, finished goods stock at factory or product in transit.

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**Phone:** 630-577-8828

**CTS Approvals:** CTS internal PCN electronic signatures.

**PLATFORMS AND PART NUMBERS AFFECTED**

CTS Part Number

Model 632  
632L3C002M04800  
632L3C005M00000  
632L3C006M14000  
632L3C007M37280  
632L3C008M00000  
632L3C020M00000  
632L3C024M00000  
632L3C025M00000  
632L3C026M00000  
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CTS Part Number

632L3I066M66700  
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632L3I100M00000  
632L5I010M00000  
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CTS Part Number

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CTS Part Number

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## PLATFORMS AND PART NUMBERS AFFECTED

CTS Part Number

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CTS Part Number

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CTS Part Number

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CTS Part Number

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636S3C002M45760  
636S3C003M57954  
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## PLATFORMS AND PART NUMBERS AFFECTED

### CTS Part Number

636S3C020M00000  
636S3C024M00000  
636S3C027M57600  
636S3C040M00000  
636S3C048M00000  
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636S6C001M00000  
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### CTS Part Number

Model CB1V8  
CB1V82I001M0000  
CB1V83C001M0000  
CB1V83C012M0000  
CB1V83C014M3182  
CB1V83C016M3840  
CB1V83C019M2000  
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CB1V83I014M3182  
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CB1V83I049M1520  
CB1V83I050M0000  
CB1V85C024M0000  
CB1V85C026M0000  
CB1V85C038M4000  
CB1V85C040M0000  
CB1V85C054M0000  
CB1V85I026M0000  
CB1V85I027M0000  
CB1V85I037M0879  
CB1V85I037M1250  
CB1V85I038M4000  
CB1V86C014M3181  
CB1V86C036M0000  
CB1V86C040M0000  
CB1V86I038M4000

### CTS Part Number

Model CB2V5  
CB2V52I012M0000  
CB2V52I062M5000  
CB2V52I064M0000  
CB2V52I064M5000  
CB2V52I125M0000  
CB2V53C004M0000  
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CB2V53C020M0000  
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CB2V53C024M5760  
CB2V53C025M0000  
CB2V53C027M0000  
CB2V53C032M0000  
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CB2V53C040M0000  
CB2V53C050M0000  
CB2V53C054M0000  
CB2V53C062M5000  
CB2V53C066M6600  
CB2V53C083M3333  
CB2V53C100M0000  
CB2V53C125M0000  
CB2V53I010M0000  
CB2V53I012M0000  
CB2V53I024M5760  
CB2V53I025M0000  
CB2V53I027M0000  
CB2V53I032M0000  
CB2V53I040M0000  
CB2V53I050M0000  
CB2V53I053M1250  
CB2V53I080M0000  
CB2V53I083M3330  
CB2V53I100M0000  
CB2V53I106M2500  
CB2V53I125M0000  
CB2V55C025M0000  
CB2V55C027M0000  
CB2V55C080M0000  
CB2V55I020M0000  
CB2V55I025M0000  
CB2V55I027M0000  
CB2V55I125M0000  
CB2V55I133M3300  
CB2V56C100M0000  
CB2V56C125M0000  
CB2V56I038M4000

### CTS Part Number