

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.

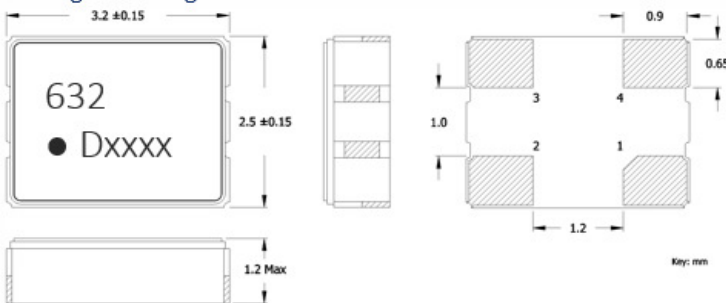
Description for Change: Product marking will change as follows.

Model 632 [drawing 008-0328-0]

Change To - New Format, Revision F]

Mechanical Specifications

Package Drawing



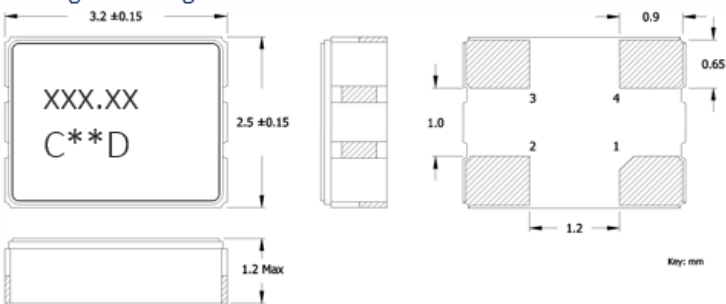
Marking Information

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

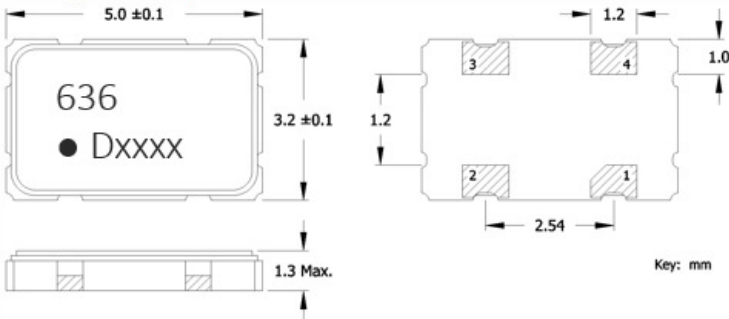
1. xxx.xx – Frequency in MHz.
Frequency is marked with 1 - 3 leading significant digits before and 2 significant digits [including zeroes] after the decimal.
Marking Examples:
3.57954MHz = 3.57
14.31818 MHz = 14.31
125MHz = 125.00
2. C – CTS and Pin 1 identifier.
3. ** – Manufacturing Site Code.
4. D – Date Code. See Table I for codes.

Model 636 [drawing 008-0250-0]

Change To - New Format, Revision J]

Mechanical Specifications

Package Drawing



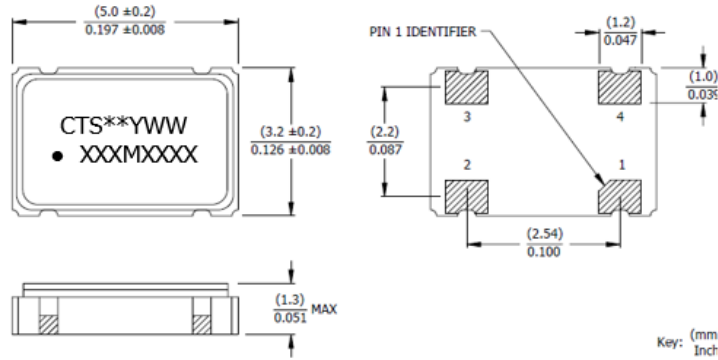
Marking Information

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.

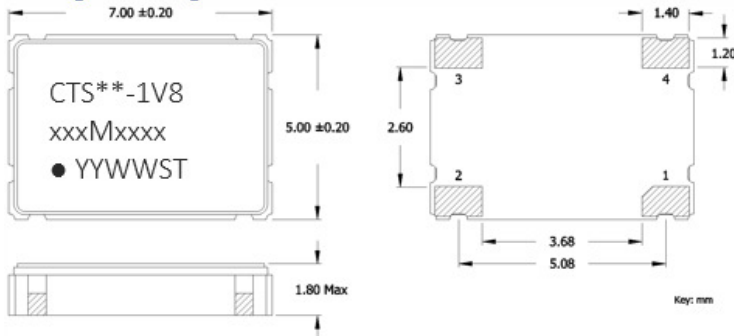
D.U.T. PIN ASSIGNMENTS

Model CB1V8 [drawing 008-0277-0]

Change To - New Format, Revision C]

Mechanical Specifications

Package Drawing



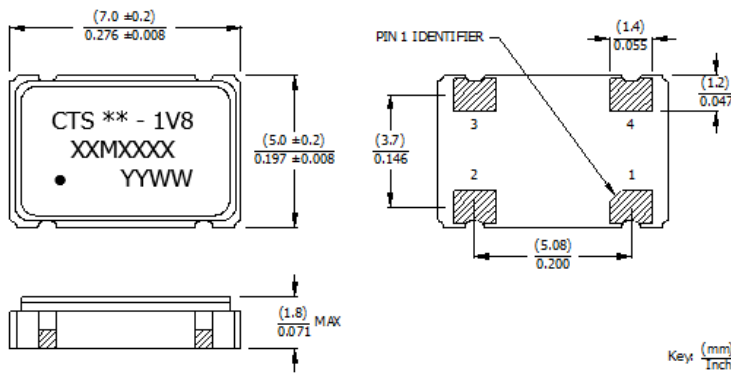
Marking Information

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

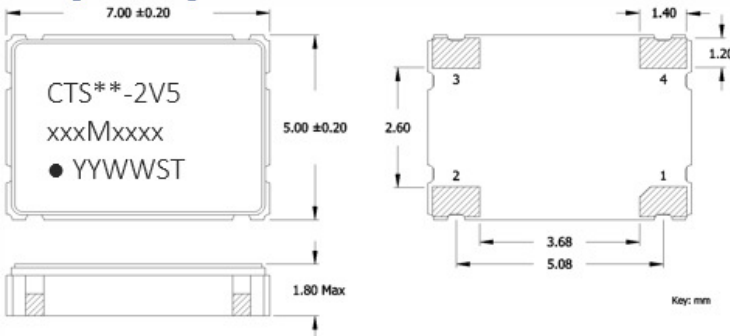
1. Termination pads (e4), barrier-plating is nickel (Ni) with gold (Au) flash plate.
2. Reflow conditions per JEDEC J-STD-020.

Model CB2V5 [drawing 008-0281-0]

Change To - New Format, Revision C]

Mechanical Specifications

Package Drawing



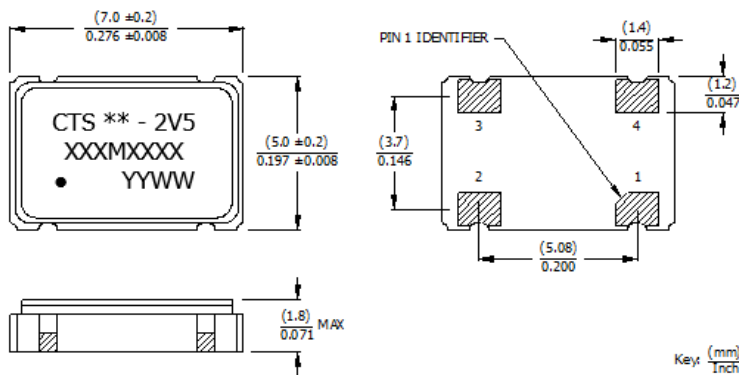
Marking Information

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.

CTS Contact: John Metzler
E-Mail: john.metzler@ctscorp.com
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
632L3C033M00000
632L3C033M33300
632L3C033M33333
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632L3I001M12500
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632L3I003M57954
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632L3I007M37200
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632L3I036M86400
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CTS Part Number

632L3I066M66700
632L3I075M00000
632L3I100M00000
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632L5I014M74560
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632L5I020M00000
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632M3D054M00000
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CTS Part Number

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CTS Part Number

Model 636
636L2C016M00000
636L2C020M00000
636L2C025M00000
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636L2C050M00000
636L2I001M00000
636L2I007M37280
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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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636S3C002M17600
636S3C002M45760
636S3C003M57954
636S3C004M00000
636S3C005M00000
636S3C014M31800

PLATFORMS AND PART NUMBERS AFFECTED

CTS Part Number

636S3C020M00000
636S3C024M00000
636S3C027M57600
636S3C040M00000
636S3C048M00000
636S3C050M00000
636S3C064M00000
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636S3I002M45000
636S3I003M28000
636S3I004M00000
636S3I004M60000
636S3I005M28000
636S3I006M00000
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636S3I007M32780
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636S3I008M00000
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636S3I010M40000
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636S6C001M00000
636S6C019M99000
636S6C019M99800
636S6C020M00000

CTS Part Number

Model CB1V8
CB1V82I001M0000
CB1V83C001M0000
CB1V83C012M0000
CB1V83C014M3182
CB1V83C016M3840
CB1V83C019M2000
CB1V83C020M4800
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CB1V85I037M1250
CB1V85I038M4000
CB1V86C014M3181
CB1V86C036M0000
CB1V86C040M0000
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CTS Part Number

Model CB2V5
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CB2V52I062M5000
CB2V52I064M0000
CB2V52I064M5000
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CB2V53C012M0000
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CB2V53C100M0000
CB2V53C125M0000
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CB2V53I012M0000
CB2V53I024M5760
CB2V53I025M0000
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CB2V53I032M0000
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CB2V53I080M0000
CB2V53I083M3330
CB2V53I100M0000
CB2V53I106M2500
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CB2V55C027M0000
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CB2V55I125M0000
CB2V55I133M3300
CB2V56C100M0000
CB2V56C125M0000
CB2V56I038M4000

CTS Part Number