

## PRODUCT CHANGE NOTIFICATION COVERSHEET

CTS Part Number: Models 425, 403, 405

Product Description: Ceramic Quartz Crystal

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.

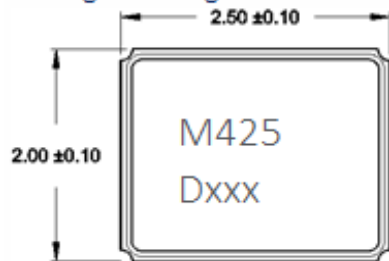
**Description for Change:** Product marking will change as follows.

### Model 425 [drawing 008-0332-0]

Change To - New Format, Revision D

#### Mechanical Specifications

Package Drawing



#### Marking Information

1. M425 – CTS Model series.
2. D – Date code. See Table I for codes.
3. xxx – Frequency code, 3-digits frequencies below 100MHz.  
[See document 016-1454-0, Frequency Code Tables].

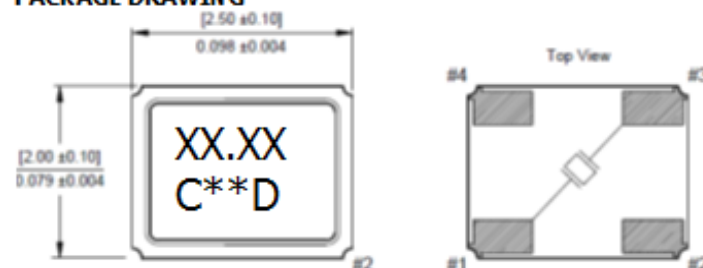
Table I - Date Code

MONTH					YEAR											
					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2021	2025	2029	2033	2037	A	B	C	D	E	F	G	H	J	K	L	M
2022	2026	2030	2034	2038	N	P	Q	R	S	T	U	V	W	X	Y	Z
2023	2027	2031	2035	2039	a	b	c	d	e	f	g	h	j	k	l	m
2024	2028	2032	2036	2040	n	p	q	r	s	t	u	v	w	x	y	z

Change From - Old Format, Revision C

#### MECHANICAL SPECIFICATIONS

PACKAGE DRAWING



#### MARKING INFORMATION

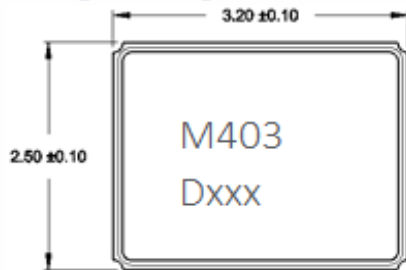
1. XX.XX – Frequency in MHz.
2. C – CTS and Pin 1 identifier.
3. \*\* – Manufacturing Site Code.
4. D – Date code. See Table I for codes.

**Model 403 [drawing 008-0288-0]**

Change To - New Format, Revision H

**Mechanical Specifications**

Package Drawing



Marking Information

1. M403 – CTS Model series.
2. D – Date code. See Table I for codes.
3. xxx – Frequency code, 3-digits frequencies below 100MHz.  
[See document 016-1454-0, Frequency Code Tables].

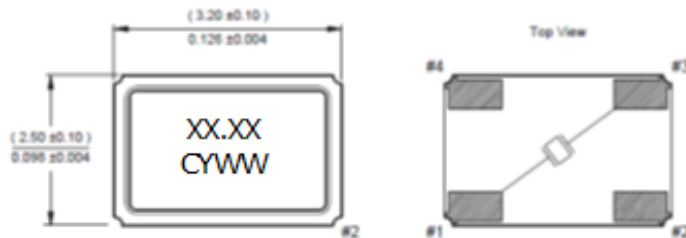
Table I - Date Code

MONTH					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
YEAR					A	B	C	D	E	F	G	H	J	K	L	M
2021	2025	2029	2033	2037	N	P	Q	R	S	T	U	V	W	X	Y	Z
2022	2026	2030	2034	2038	a	b	c	d	e	f	g	h	j	k	l	m
2023	2027	2031	2035	2039	n	p	q	r	s	t	u	v	w	x	y	z
2024	2028	2032	2036	2040												

Change From - Old Format, Revision G

**MECHANICAL SPECIFICATIONS**

PACKAGE DRAWING



**MARKING INFORMATION**

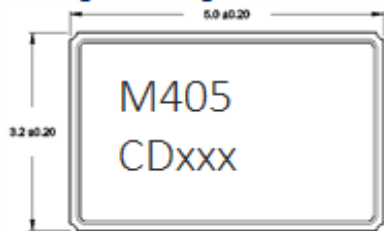
1. XX.XX – Frequency marked with 2 significant digits after the decimal.
2. C – CTS and Pin 1 identifier.
3. YWW – Date Code, Y – Last Digit of Year, WW – Week.

**Model 405 [drawing 008-0253-0]**

Change To - New Format, Revision I

**Mechanical Specifications**

Package Drawing



Marking Information

1. M405 – CTS model.
2. C – CTS.
2. D – Date Code. See Table I for codes.
3. xxx – Frequency Code.  
3-digits, frequencies below 100MHz.  
[See document 016-1454-0, Frequency Code Tables.]

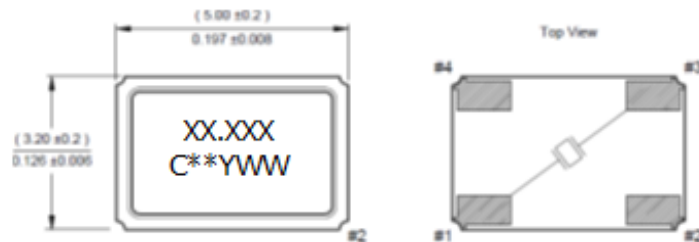
Table I - Date Code

MONTH					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
YEAR																
2021	2025	2029	2033	2037	A	B	C	D	E	F	G	H	J	K	L	M
2022	2026	2030	2034	2038	N	P	Q	R	S	T	U	V	W	X	Y	Z
2023	2027	2031	2035	2039	a	b	c	d	e	f	g	h	j	k	l	m
2024	2028	2032	2036	2040	n	p	q	r	s	t	u	v	w	x	y	z

Change From - Old Format, Revision H

**MECHANICAL SPECIFICATIONS**

PACKAGE DRAWING



**MARKING INFORMATION**

1. XX.XXX – Frequency marked with 3 significant digits after the decimal.
2. C – CTS and Pin 1 identifier.
3. \*\* - Manufacturing Site Code.
4. YWW – Date Code; Y – Last Digit of Year, WW – Week.

**Change Instructions:** Distribution of this PCN will be managed by CTS Customer Service; through all customer portals currently on file with CTS, all CTS Distributors and contract manufacturers [CMs].

**Implementation Date:** Date Code 2101.

**Product Disposition:** This marking change will not affect form-fit-function of device. Current inventories at customers, CMs or CTS Distributors; finished goods stock at factory or product in transit are not affected by this change. Previous marking format will govern these cases until change implementation. See active part number list attached.

**CTS Contact:** John Metzler  
**E-Mail:** [john.metzler@ctscorp.com](mailto:john.metzler@ctscorp.com)  
**Phone:** 630-577-8828

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

## ACTIVE PART NUMBERS

Contact CTS about part numbers not listed.

CTS Part Number

425F11A016M0000  
425F11A026M0000  
425F11A032M0000  
425F11C050M0000  
425F11K016M0000  
425F11K020M0000  
425F11K024M0000  
425F11K025M0000  
425F11K026M0000  
425F1RA038M4000  
425F22A016M0000  
425F22A016M3676  
425F22A024M0000  
425F22A024M5760  
425F22A025M0000  
425F22A027M0000  
425F22A030M0000  
425F22A048M0000  
425F22D025M0000  
425F23A016M0000  
425F26D025M0000  
425F33D012M0000  
425F33D025M0000  
425F33D027M0000  
425F33G012M0000  
425F33K027M1200  
425F33L026M0000  
425F33L027M0000  
425F35B016M0000  
425F35B020M0000  
425F35B024M0000  
425F35B027M0000  
425F35E027M0000  
425F35E054M0000  
425F35L016M0000  
425F37A016M0000  
425F37A018M4320  
425F37E020M0000  
425F39B025M0000  
425F39E025M0000  
425F39E027M0000  
425FX6K016M0000

CTS Part Number

403C11A12M00000  
403C11A13M00000  
403C11A14M74560  
403C11A16M00000  
403C11A16M80000  
403C11A20M00000  
403C11A24M00000  
403C11A25M00000  
403C11A26M00000  
403C11A30M00000  
403C11A32M00000  
403C11A38M40000  
403C11A40M00000  
403C11C40M00000  
403C11D25M00000  
403C11E16M00000  
403C11E32M00000  
403C11J16M00000  
403C11J26M00000  
403C11K32M00000  
403C11L32M00000  
403C11S48M00000  
403C12J32M00000  
403C12J32M00000  
403C1XJ16M77721  
403C1XK24M00000  
403C22K19M20000  
403C22K27M12000  
403C23D25M00000  
403C23E26M69000  
403C25D25M00000  
403C25K40M00000  
403C33D12M00000  
403C33D28M00000  
403C33D32M00000  
403C33K24M00000  
403C33L16M00000  
403C33L25M00000  
403C33S50M00000  
403C35A16M00000  
403C35B12M00000  
403C35C12M00000  
403C35D12M00000  
403C35D16M00000  
403C35D16M38400  
403C35D20M00000  
403C35D22M11840  
403C35D24M00000  
403C35D25M00000  
403C35D27M00000  
403C35D27M12000  
403C35D28M37500  
403C35D28M63636  
403C35D30M00000  
403C35D48M00000  
403C35E12M00000  
403C35E13M00000  
403C35E14M74560  
403C35E16M00000  
403C35E20M00000

CTS Part Number

403C35E24M00000  
403C35E25M00000  
403C35E26M00000  
403C35E27M00000  
403C35L25M00000  
403CX2D25M00000  
403CX2L24M00000  
403CX2L25M00000  
403CXXK12M00000  
403D11A24M00000  
403D11C26M00000  
403I11A32M00000  
403I12J24M00000  
403I12J24M00000  
403I12J27M00000  
403I1XA26M00000  
403I1XA49M15200  
403I1XB40M00000  
403I1XC26M00000  
403I1XJ24M00000  
403I1XL25M00000  
403I1XL40M00000  
403I22C25M00000  
403I22D12M00000  
403I22D24M00000  
403I22D40M00000  
403I23A16M38400  
403I23D25M00000  
403I23D40M00000  
403I23K24M30500  
403I23K27M60000  
403I33C24M00000  
403I33D24M00000  
403I33D25M00000  
403I33D28M63636  
403I33E16M00000  
403I33E25M00000  
403I33J50M00000  
403I33K48M00000  
403I35A24M00000  
403I35A25M00000  
403I35A26M00000  
403I35A40M00000  
403I35C40M00000  
403I35D12M00000  
403I35D16M00000  
403I35D16M38400  
403I35D18M43200  
403I35D20M00000  
403I35D24M00000  
403I35D25M00000  
403I35D26M00000  
403I35D27M00000  
403I35D30M00000  
403I35E12M00000  
403I35E16M00000  
403I35E20M00000  
403I35E25M00000  
403I35E26M00000  
403I35E40M00000

CTS Part Number

403I35J40M00000  
403I35L12M00000  
403I35L24M00000  
403I35L40M00000  
403I35L48M00000  
403IX3A50M00000  
403IX3D24M00000  
403IXXA25M02400  
403IXXJ24M00000  
403IXXJ26M00000  
403IXXL24M00000

## ACTIVE PART NUMBERS

Contact CTS about part numbers not listed.

<u>CTS Part Number</u>	<u>CTS Part Number</u>	<u>CTS Part Number</u>	<u>CTS Part Number</u>
405C11A10M00000	405C35D25M00000	405I35E28M63630	
405C11A11M05920	405C35D26M00000	405I35E50M00000	
405C11A12M00000	405C35D27M00000	405I35L24M00000	
405C11A12M28800	405C35D27M12000	405I35S13M00000	
405C11A12M80000	405C35D30M00000	405I35S16M00000	
405C11A13M50000	405C35D40M00000	405IXXD50M00000	
405C11A13M56000	405C35D50M00000		
405C11A14M74560	405C35E10M00000		
405C11A15M36000	405C35E12M00000		
405C11A16M00000	405C35E16M00000		
405C11A18M43200	405C35E24M00000		
405C11A19M20000	405C35E25M00000		
405C11A20M00000	405C35L16M38400		
405C11A24M00000	405C35L24M00000		
405C11A25M00000	405D11A12M00000		
405C11A26M00000	405D11A24M57600		
405C11A30M00000	405I12D24M00000		
405C11A40M00000	405I12D25M00000		
405C11B26M00000	405I22A16M38400		
405C11K25M00000	405I22C12M00000		
405C21D25M00000	405I22D20M00000		
405C22D25M00000	405I22D22M57920		
405C23D12M00000	405I22D25M00000		
405C24A13M00000	405I32D20M00000		
405C25D08M00000	405I33A20M00000		
405C33A12M00000	405I33D08M19200		
405C35A12M00000	405I33D14M31818		
405C35A16M93440	405I33D16M00000		
405C35B11M05920	405I33D27M00000		
405C35B12M00000	405I33E08M00000		
405C35B12M80000	405I33E14M74560		
405C35B13M00000	405I34B24M00000		
405C35B13M56000	405I35A24M00000		
405C35B14M74560	405I35B11M05920		
405C35B16M00000	405I35B12M00000		
405C35B16M36800	405I35B13M00000		
405C35B18M43200	405I35B16M00000		
405C35B19M20000	405I35B25M00000		
405C35B19M68000	405I35B40M00000		
405C35B20M00000	405I35B44M00000		
405C35B24M00000	405I35D08M00000		
405C35B24M57600	405I35D10M00000		
405C35B25M00000	405I35D12M00000		
405C35B26M00000	405I35D13M82400		
405C35B27M00000	405I35D16M00000		
405C35B32M00000	405I35D16M38400		
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405C35C12M00000	405I35D20M00000		
405C35C16M00000	405I35D24M00000		
405C35C24M00000	405I35D25M00000		
405C35C24M57600	405I35D27M00000		
405C35D08M00000	405I35D30M00000		
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405C35D12M00000	405I35E08M00000		
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405C35D14M31818	405I35E12M00000		
405C35D16M00000	405I35E16M00000		
405C35D18M43200	405I35E25M00000		
405C35D24M00000	405I35E27M00000		