

Application Note

CDC6Cx(Q1) OPN Decoder



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ABSTRACT

The CDC6Cx orderable part numbers (OPNs) from Texas Instruments contain information about the frequency and package of the device. This application note provides a quick summary of how to decode this information as well as provides a list of CDC6Cx orderable part numbers (OPNs) with associated configurations, packaging information, and device top marking.

Table of Contents

1 Introduction	2
2 How to Decode OPN Information	2
3 CDC6C OPN Information	4
4 CDC6C-Q1 OPN Information	9
5 Summary	12
6 References	12
7 Revision History	13

Trademarks

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1 Introduction

CDC6Cx orderable part number naming is descriptive and contains both feature and package information. This application note provides guidance on how this information is decoded. [Table 3-1](#) lists the OPNs of CDC6Cx variants and [Table 4-1](#) lists the OPNs of CDC6Cx-Q1 variants. Use [Section 2](#) as a reference for how to decode this OPN information. Refer to [Section 3](#) for decoded information from the CDC6Cx OPNs and [Section 4](#) for decoded information from CDC6Cx-Q1 OPNs. Contact TI to learn more about a possible variant that is not listed in this application note.

2 How to Decode OPN Information

[Figure 2-1](#) demonstrates the information encoded in the CDC6Cx orderable part numbers.

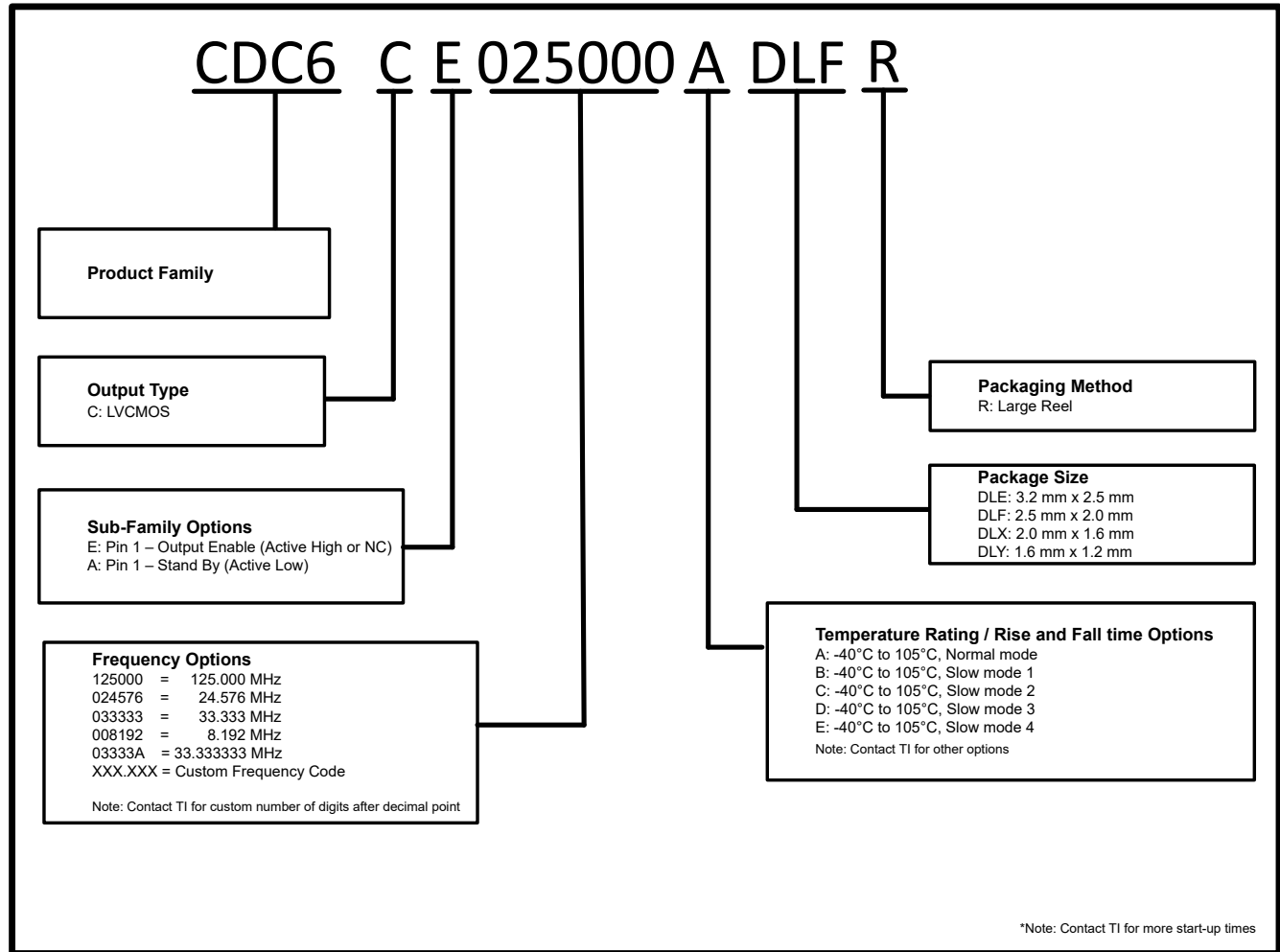


Figure 2-1. CDC6Cx Part Number Guide

Table 2-1. CDC6Cx Nomenclature Structure

Digit Position	Number of Digits	Digit Meaning
1-4	4	Product Family
5	1	Output Type
6	1	Sub-Family Options
7-12	6	Output Frequency
13	1	Temperature Rating / Rise and Fall Time Options

Table 2-1. CDC6Cx Nomenclature Structure (continued)

Digit Position	Number of Digits	Digit Meaning
14-16	3	Package Size
17	1	Packaging Method

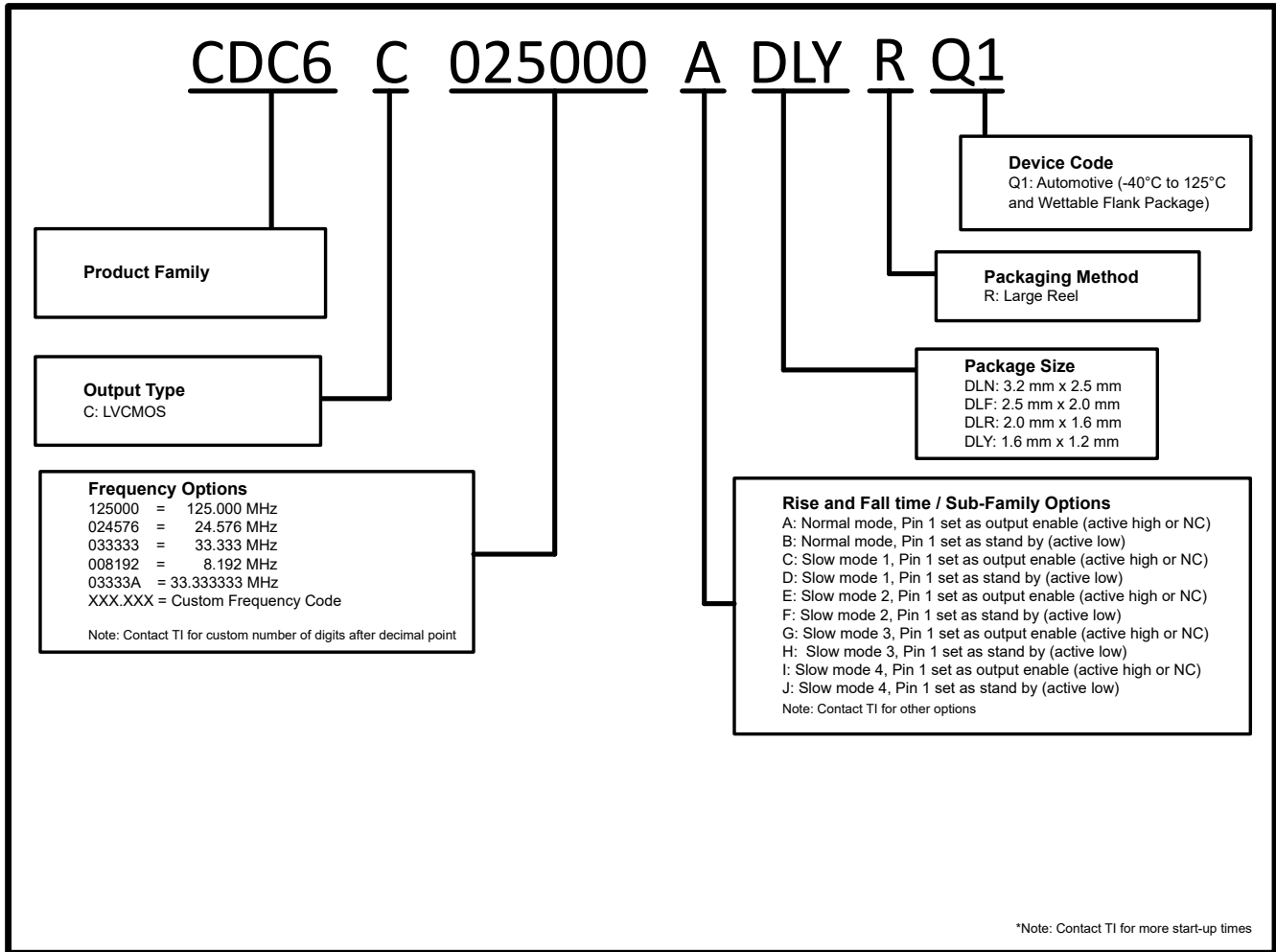


Figure 2-2. CDC6Cx-Q1 Part Number Guide

Table 2-2. CDC6Cx-Q1 Nomenclature Structure

Digit Position	Number of Digits	Digit Meaning
1-4	4	Product Family
5	1	Output Type
6-11	6	Output Frequency
12	1	Rise and Fall time / Sub-Family Option
13-15	3	Package Size
16	1	Packaging Method
17-18	2	Device Code

3 CDC6C OPN Information

Table 3-1. CDC6C OPN Information

Device	Pin 1 Functionality	Output Frequency (Hz)	Rise and Fall Time Option	Package Size	Device Top Marking
CDC6CE002000ADLYR	Output Enable	2000000	Normal Mode	DLY (1.6mm x 1.2mm)	8A
CDC6CE002000ADLXR	Output Enable	2000000	Normal Mode	DLX (2.0mm x 1.6mm)	8A
CDC6CE002000ADLFR	Output Enable	2000000	Normal Mode	DLF (2.5mm x 2.0mm)	8A
CDC6CE002000ADLER	Output Enable	2000000	Normal Mode	DLE (3.2mm x 2.5mm)	8A
CDC6CE005120ADLYR	Output Enable	5120000	Normal Mode	DLY (1.6mm x 1.2mm)	YA
CDC6CE005120ADLXR	Output Enable	5120000	Normal Mode	DLX (2.0mm x 1.6mm)	YA
CDC6CE005120ADLFR	Output Enable	5120000	Normal Mode	DLF (2.5mm x 2.0mm)	YA
CDC6CE005120ADLER	Output Enable	5120000	Normal Mode	DLE (3.2mm x 2.5mm)	YA
CDC6CE008000ADLYR	Output Enable	8000000	Normal Mode	DLY (1.6mm x 1.2mm)	TA
CDC6CE008000ADLXR	Output Enable	8000000	Normal Mode	DLX (2.0mm x 1.6mm)	TA
CDC6CE008000ADLFR	Output Enable	8000000	Normal Mode	DLF (2.5mm x 2.0mm)	TA
CDC6CE008000ADLER	Output Enable	8000000	Normal Mode	DLE (3.2mm x 2.5mm)	TA
CDC6CE008192ADLYR	Output Enable	8192000	Normal Mode	DLY (1.6mm x 1.2mm)	MA
CDC6CE008192ADLXR	Output Enable	8192000	Normal Mode	DLX (2.0mm x 1.6mm)	MA
CDC6CE008192ADLFR	Output Enable	8192000	Normal Mode	DLF (2.5mm x 2.0mm)	MA
CDC6CE008192ADLER	Output Enable	8192000	Normal Mode	DLE (3.2mm x 2.5mm)	MA
CDC6CE010000ADLYR	Output Enable	10000000	Normal Mode	DLY (1.6mm x 1.2mm)	UA
CDC6CE010000ADLXR	Output Enable	10000000	Normal Mode	DLX (2.0mm x 1.6mm)	UA
CDC6CE010000ADLFR	Output Enable	10000000	Normal Mode	DLF (2.5mm x 2.0mm)	UA
CDC6CE010000ADLER	Output Enable	10000000	Normal Mode	DLE (3.2mm x 2.5mm)	UA
CDC6CE010000ADLYR	Output Enable	10000000	Normal Mode	DLY (1.6mm x 1.2mm)	9A
CDC6CE010000ADLXR	Output Enable	10000000	Normal Mode	DLX (2.0mm x 1.6mm)	9A
CDC6CE010000ADLFR	Output Enable	10000000	Normal Mode	DLF (2.5mm x 2.0mm)	9A
CDC6CE010000ADLER	Output Enable	10000000	Normal Mode	DLE (3.2mm x 2.5mm)	9A
CDC6CE012000ADLYR	Output Enable	12000000	Normal Mode	DLY (1.6mm x 1.2mm)	1A
CDC6CE012000ADLXR	Output Enable	12000000	Normal Mode	DLX (2.0mm x 1.6mm)	1A
CDC6CE012000ADLFR	Output Enable	12000000	Normal Mode	DLF (2.5mm x 2.0mm)	1A
CDC6CE012000ADLER	Output Enable	12000000	Normal Mode	DLE (3.2mm x 2.5mm)	1A
CDC6CE012288ADLYR	Output Enable	12288000	Normal Mode	DLY (1.6mm x 1.2mm)	FA
CDC6CE012288ADLXR	Output Enable	12288000	Normal Mode	DLX (2.0mm x 1.6mm)	FA
CDC6CE012288ADLFR	Output Enable	12288000	Normal Mode	DLF (2.5mm x 2.0mm)	FA
CDC6CE012288ADLER	Output Enable	12288000	Normal Mode	DLE (3.2mm x 2.5mm)	FA
CDC6CE033333ADLYR	Output Enable	13107200	Normal Mode	DLY (1.6mm x 1.2mm)	HA
CDC6CE033333ADLXR	Output Enable	13107200	Normal Mode	DLX (2.0mm x 1.6mm)	HA
CDC6CE033333ADLFR	Output Enable	13107200	Normal Mode	DLF (2.5mm x 2.0mm)	HA
CDC6CE033333ADLER	Output Enable	13107200	Normal Mode	DLE (3.2mm x 2.5mm)	HA
CDC6CE01311AADLYR	Output Enable	13107200	Normal Mode	DLY (1.6mm x 1.2mm)	RA
CDC6CE01311AADLXR	Output Enable	13107200	Normal Mode	DLX (2.0mm x 1.6mm)	RA
CDC6CE01311AADLFR	Output Enable	13107200	Normal Mode	DLF (2.5mm x 2.0mm)	RA
CDC6CE01311AADLER	Output Enable	13107200	Normal Mode	DLE (3.2mm x 2.5mm)	RA
CDC6CE016000ADLYR	Output Enable	16000000	Normal Mode	DLY (1.6mm x 1.2mm)	BA
CDC6CE016000ADLXR	Output Enable	16000000	Normal Mode	DLX (2.0mm x 1.6mm)	BA
CDC6CE016000ADLFR	Output Enable	16000000	Normal Mode	DLF (2.5mm x 2.0mm)	BA
CDC6CE016000ADLER	Output Enable	16000000	Normal Mode	DLE (3.2mm x 2.5mm)	BA
CDC6CE018432ADLYR	Output Enable	18432000	Normal Mode	DLY (1.6mm x 1.2mm)	XA

Table 3-1. CDC6C OPN Information (continued)

Device	Pin 1 Functionality	Output Frequency (Hz)	Rise and Fall Time Option	Package Size	Device Top Marking
CDC6CE018432ADLXR	Output Enable	18432000	Normal Mode	DLX (2.0mm x 1.6mm)	XA
CDC6CE018432ADLFR	Output Enable	18432000	Normal Mode	DLF (2.5mm x 2.0mm)	XA
CDC6CE018432ADLER	Output Enable	18432000	Normal Mode	DLE (3.2mm x 2.5mm)	XA
CDC6CE018432ADLYR	Output Enable	18432000	Normal Mode	DLY (1.6mm x 1.2mm)	ZA
CDC6CE018432ADLXR	Output Enable	18432000	Normal Mode	DLX (2.0mm x 1.6mm)	ZA
CDC6CE018432ADLFR	Output Enable	18432000	Normal Mode	DLF (2.5mm x 2.0mm)	ZA
CDC6CE018432ADLER	Output Enable	18432000	Normal Mode	DLE (3.2mm x 2.5mm)	ZA
CDC6CE019200ADLYR	Output Enable	19200000	Normal Mode	DLY (1.6mm x 1.2mm)	IA
CDC6CE019200ADLXR	Output Enable	19200000	Normal Mode	DLX (2.0mm x 1.6mm)	IA
CDC6CE019200ADLFR	Output Enable	19200000	Normal Mode	DLF (2.5mm x 2.0mm)	IA
CDC6CE019200ADLER	Output Enable	19200000	Normal Mode	DLE (3.2mm x 2.5mm)	IA
CDC6CE019200EDLYR	Output Enable	19200000	Slow Mode 4	DLY (1.6mm x 1.2mm)	5A
CDC6CE019200EDLXR	Output Enable	19200000	Slow Mode 4	DLX (2.0mm x 1.6mm)	5A
CDC6CE019200EDLFR	Output Enable	19200000	Slow Mode 4	DLF (2.5mm x 2.0mm)	5A
CDC6CE019200EDLER	Output Enable	19200000	Slow Mode 4	DLE (3.2mm x 2.5mm)	5A
CDC6CE020000ADLYR	Output Enable	20000000	Normal Mode	DLY (1.6mm x 1.2mm)	EA
CDC6CE020000ADLXR	Output Enable	20000000	Normal Mode	DLX (2.0mm x 1.6mm)	EA
CDC6CE020000ADLFR	Output Enable	20000000	Normal Mode	DLF (2.5mm x 2.0mm)	EA
CDC6CE020000ADLER	Output Enable	20000000	Normal Mode	DLE (3.2mm x 2.5mm)	EA
CDC6CE024000ADLYR	Output Enable	24000000	Normal Mode	DLY (1.6mm x 1.2mm)	DA
CDC6CE024000ADLXR	Output Enable	24000000	Normal Mode	DLX (2.0mm x 1.6mm)	DA
CDC6CE024000ADLFR	Output Enable	24000000	Normal Mode	DLF (2.5mm x 2.0mm)	DA
CDC6CE024000ADLER	Output Enable	24000000	Normal Mode	DLE (3.2mm x 2.5mm)	DA
CDC6CE024000EDLYR	Output Enable	24000000	Slow Mode 4	DLY (1.6mm x 1.2mm)	7A
CDC6CE024000EDLXR	Output Enable	24000000	Slow Mode 4	DLX (2.0mm x 1.6mm)	7A
CDC6CE024000EDLFR	Output Enable	24000000	Slow Mode 4	DLF (2.5mm x 2.0mm)	7A
CDC6CE024000EDLER	Output Enable	24000000	Slow Mode 4	DLE (3.2mm x 2.5mm)	7A
CDC6CE024576ADLYR	Output Enable	24576000	Normal Mode	DLY (1.6mm x 1.2mm)	AB
CDC6CE024576ADLXR	Output Enable	24576000	Normal Mode	DLX (2.0mm x 1.6mm)	AB
CDC6CE024576ADLFR	Output Enable	24576000	Normal Mode	DLF (2.5mm x 2.0mm)	AB
CDC6CE024576ADLER	Output Enable	24576000	Normal Mode	DLE (3.2mm x 2.5mm)	AB
CDC6CE025000ADLYR	Output Enable	25000000	Normal Mode	DLY (1.6mm x 1.2mm)	AA
CDC6CE025000ADLXR	Output Enable	25000000	Normal Mode	DLX (2.0mm x 1.6mm)	AA
CDC6CE025000ADLFR	Output Enable	25000000	Normal Mode	DLF (2.5mm x 2.0mm)	AA
CDC6CE025000ADLER	Output Enable	25000000	Normal Mode	DLE (3.2mm x 2.5mm)	AA
CDC6CE025000EDLYR	Output Enable	25000000	Slow Mode 4	DLY (1.6mm x 1.2mm)	4A
CDC6CE025000EDLXR	Output Enable	25000000	Slow Mode 4	DLX (2.0mm x 1.6mm)	4A
CDC6CE025000EDLFR	Output Enable	25000000	Slow Mode 4	DLF (2.5mm x 2.0mm)	4A
CDC6CE025000EDLER	Output Enable	25000000	Slow Mode 4	DLE (3.2mm x 2.5mm)	4A
CDC6CE025000BDLYR	Output Enable	25000000	Slow Mode 1	DLY (1.6mm x 1.2mm)	CB
CDC6CE025000BDLXR	Output Enable	25000000	Slow Mode 1	DLX (2.0mm x 1.6mm)	CB
CDC6CE025000BDLFR	Output Enable	25000000	Slow Mode 1	DLF (2.5mm x 2.0mm)	CB
CDC6CE025000BDLER	Output Enable	25000000	Slow Mode 1	DLE (3.2mm x 2.5mm)	CB
CDC6CE025000CDLYR	Output Enable	25000000	Slow Mode 2	DLY (1.6mm x 1.2mm)	DB
CDC6CE025000CDLXR	Output Enable	25000000	Slow Mode 2	DLX (2.0mm x 1.6mm)	DB
CDC6CE025000CDLFR	Output Enable	25000000	Slow Mode 2	DLF (2.5mm x 2.0mm)	DB

Table 3-1. CDC6C OPN Information (continued)

Device	Pin 1 Functionality	Output Frequency (Hz)	Rise and Fall Time Option	Package Size	Device Top Marking
CDC6CE025000CDLER	Output Enable	25000000	Slow Mode 2	DLE (3.2mm x 2.5mm)	DB
CDC6CE025000DDLYR	Output Enable	25000000	Slow Mode 3	DLY (1.6mm x 1.2mm)	EB
CDC6CE025000DDLXR	Output Enable	25000000	Slow Mode 3	DLX (2.0mm x 1.6mm)	EB
CDC6CE025000DDLFR	Output Enable	25000000	Slow Mode 3	DLF (2.5mm x 2.0mm)	EB
CDC6CE025000DDLER	Output Enable	25000000	Slow Mode 3	DLE (3.2mm x 2.5mm)	EB
CDC6CE025000EDLYR	Output Enable	25000000	Slow Mode 4	DLY (1.6mm x 1.2mm)	FB
CDC6CE025000EDLXR	Output Enable	25000000	Slow Mode 4	DLX (2.0mm x 1.6mm)	FB
CDC6CE025000EDLFR	Output Enable	25000000	Slow Mode 4	DLF (2.5mm x 2.0mm)	FB
CDC6CE025000EDLER	Output Enable	25000000	Slow Mode 4	DLE (3.2mm x 2.5mm)	FB
CDC6CE026000EDLYR	Output Enable	26000000	Slow Mode 4	DLY (1.6mm x 1.2mm)	6A
CDC6CE026000EDLXR	Output Enable	26000000	Slow Mode 4	DLX (2.0mm x 1.6mm)	6A
CDC6CE026000EDLFR	Output Enable	26000000	Slow Mode 4	DLF (2.5mm x 2.0mm)	6A
CDC6CE026000EDLER	Output Enable	26000000	Slow Mode 4	DLE (3.2mm x 2.5mm)	6A
CDC6CE02621AADLYR	Output Enable	26214400	Normal Mode	DLY (1.6mm x 1.2mm)	QA
CDC6CE02621AADLXR	Output Enable	26214400	Normal Mode	DLX (2.0mm x 1.6mm)	QA
CDC6CE02621AADLFR	Output Enable	26214400	Normal Mode	DLF (2.5mm x 2.0mm)	QA
CDC6CE02621AADLER	Output Enable	26214400	Normal Mode	DLE (3.2mm x 2.5mm)	QA
CDC6CE027000ADLYR	Output Enable	27000000	Normal Mode	DLY (1.6mm x 1.2mm)	JA
CDC6CE027000ADLXR	Output Enable	27000000	Normal Mode	DLX (2.0mm x 1.6mm)	JA
CDC6CE027000ADLFR	Output Enable	27000000	Normal Mode	DLF (2.5mm x 2.0mm)	JA
CDC6CE027000ADLER	Output Enable	27000000	Normal Mode	DLE (3.2mm x 2.5mm)	JA
CDC6CE027000BDLYR	Output Enable	27000000	Slow Mode 1	DLY (1.6mm x 1.2mm)	GB
CDC6CE027000BDLXR	Output Enable	27000000	Slow Mode 1	DLX (2.0mm x 1.6mm)	GB
CDC6CE027000BDLFR	Output Enable	27000000	Slow Mode 1	DLF (2.5mm x 2.0mm)	GB
CDC6CE027000BDLER	Output Enable	27000000	Slow Mode 1	DLE (3.2mm x 2.5mm)	GB
CDC6CE027000CDLYR	Output Enable	27000000	Slow Mode 2	DLY (1.6mm x 1.2mm)	HB
CDC6CE027000CDLXR	Output Enable	27000000	Slow Mode 2	DLX (2.0mm x 1.6mm)	HB
CDC6CE027000CDLFR	Output Enable	27000000	Slow Mode 2	DLF (2.5mm x 2.0mm)	HB
CDC6CE027000CDLER	Output Enable	27000000	Slow Mode 2	DLE (3.2mm x 2.5mm)	HB
CDC6CE027000DDLYR	Output Enable	27000000	Slow Mode 3	DLY (1.6mm x 1.2mm)	IB
CDC6CE027000DDLXR	Output Enable	27000000	Slow Mode 3	DLX (2.0mm x 1.6mm)	IB
CDC6CE027000DDLFR	Output Enable	27000000	Slow Mode 3	DLF (2.5mm x 2.0mm)	IB
CDC6CE027000DDLER	Output Enable	27000000	Slow Mode 3	DLE (3.2mm x 2.5mm)	IB
CDC6CE027000EDLYR	Output Enable	27000000	Slow Mode 4	DLY (1.6mm x 1.2mm)	JB
CDC6CE027000EDLXR	Output Enable	27000000	Slow Mode 4	DLX (2.0mm x 1.6mm)	JB
CDC6CE027000EDLFR	Output Enable	27000000	Slow Mode 4	DLF (2.5mm x 2.0mm)	JB
CDC6CE027000EDLER	Output Enable	27000000	Slow Mode 4	DLE (3.2mm x 2.5mm)	JB
CDC6CE033333ADLYR	Output Enable	33333000	Normal Mode	DLY (1.6mm x 1.2mm)	KB
CDC6CE033333ADLXR	Output Enable	33333000	Normal Mode	DLX (2.0mm x 1.6mm)	KB
CDC6CE033333ADLFR	Output Enable	33333000	Normal Mode	DLF (2.5mm x 2.0mm)	KB
CDC6CE033333ADLER	Output Enable	33333000	Normal Mode	DLE (3.2mm x 2.5mm)	KB
CDC6CE037500ADLYR	Output Enable	37500000	Normal Mode	DLY (1.6mm x 1.2mm)	LB
CDC6CE037500ADLXR	Output Enable	37500000	Normal Mode	DLX (2.0mm x 1.6mm)	LB
CDC6CE037500ADLFR	Output Enable	37500000	Normal Mode	DLF (2.5mm x 2.0mm)	LB
CDC6CE037500ADLER	Output Enable	37500000	Normal Mode	DLE (3.2mm x 2.5mm)	LB
CDC6CE040000ADLYR	Output Enable	40000000	Normal Mode	DLY (1.6mm x 1.2mm)	GA

Table 3-1. CDC6C OPN Information (continued)

Device	Pin 1 Functionality	Output Frequency (Hz)	Rise and Fall Time Option	Package Size	Device Top Marking
CDC6CE040000ADLXR	Output Enable	40000000	Normal Mode	DLX (2.0mm x 1.6mm)	GA
CDC6CE040000ADLFR	Output Enable	40000000	Normal Mode	DLF (2.5mm x 2.0mm)	GA
CDC6CE040000ADLER	Output Enable	40000000	Normal Mode	DLE (3.2mm x 2.5mm)	GA
CDC6CE043500EDLYR	Output Enable	43500000	Slow Mode 4	DLY (1.6mm x 1.2mm)	3A
CDC6CE043500EDLXR	Output Enable	43500000	Slow Mode 4	DLX (2.0mm x 1.6mm)	3A
CDC6CE043500EDLFR	Output Enable	43500000	Slow Mode 4	DLF (2.5mm x 2.0mm)	3A
CDC6CE043500EDLER	Output Enable	43500000	Slow Mode 4	DLE (3.2mm x 2.5mm)	3A
CDC6CE048000ADLYR	Output Enable	48000000	Normal Mode	DLY (1.6mm x 1.2mm)	KA
CDC6CE048000ADLXR	Output Enable	48000000	Normal Mode	DLX (2.0mm x 1.6mm)	KA
CDC6CE048000ADLFR	Output Enable	48000000	Normal Mode	DLF (2.5mm x 2.0mm)	KA
CDC6CE048000ADLER	Output Enable	48000000	Normal Mode	DLE (3.2mm x 2.5mm)	KA
CDC6CE050000ADLYR	Output Enable	50000000	Normal Mode	DLY (1.6mm x 1.2mm)	CA
CDC6CE050000ADLXR	Output Enable	50000000	Normal Mode	DLX (2.0mm x 1.6mm)	CA
CDC6CE050000ADLFR	Output Enable	50000000	Normal Mode	DLF (2.5mm x 2.0mm)	CA
CDC6CE050000ADLER	Output Enable	50000000	Normal Mode	DLE (3.2mm x 2.5mm)	CA
CDC6CE050000EDLYR	Output Enable	50000000	Slow Mode 4	DLY (1.6mm x 1.2mm)	2A
CDC6CE050000EDLXR	Output Enable	50000000	Slow Mode 4	DLX (2.0mm x 1.6mm)	2A
CDC6CE050000EDLFR	Output Enable	50000000	Slow Mode 4	DLF (2.5mm x 2.0mm)	2A
CDC6CE050000EDLER	Output Enable	50000000	Slow Mode 4	DLE (3.2mm x 2.5mm)	2A
CDC6CE066660ADLYR	Output Enable	66660000	Normal Mode	DLY (1.6mm x 1.2mm)	VA
CDC6CE066660ADLXR	Output Enable	66660000	Normal Mode	DLX (2.0mm x 1.6mm)	VA
CDC6CE066660ADLFR	Output Enable	66660000	Normal Mode	DLF (2.5mm x 2.0mm)	VA
CDC6CE066660ADLER	Output Enable	66660000	Normal Mode	DLE (3.2mm x 2.5mm)	VA
CDC6CE074250ADLYR	Output Enable	74250000	Normal Mode	DLY (1.6mm x 1.2mm)	SA
CDC6CE074250ADLXR	Output Enable	74250000	Normal Mode	DLX (2.0mm x 1.6mm)	SA
CDC6CE074250ADLFR	Output Enable	74250000	Normal Mode	DLF (2.5mm x 2.0mm)	SA
CDC6CE074250ADLER	Output Enable	74250000	Normal Mode	DLE (3.2mm x 2.5mm)	SA
CDC6CE100000ADLYR	Output Enable	100000000	Normal Mode	DLY (1.6mm x 1.2mm)	LA
CDC6CE100000ADLXR	Output Enable	100000000	Normal Mode	DLX (2.0mm x 1.6mm)	LA
CDC6CE100000ADLFR	Output Enable	100000000	Normal Mode	DLF (2.5mm x 2.0mm)	LA
CDC6CE100000ADLER	Output Enable	100000000	Normal Mode	DLE (3.2mm x 2.5mm)	LA
CDC6CE116150ADLYR	Output Enable	116150000	Normal Mode	DLY (1.6mm x 1.2mm)	BB
CDC6CE116150ADLXR	Output Enable	116150000	Normal Mode	DLX (2.0mm x 1.6mm)	BB
CDC6CE116150ADLFR	Output Enable	116150000	Normal Mode	DLF (2.5mm x 2.0mm)	BB
CDC6CE116150ADLER	Output Enable	116150000	Normal Mode	DLE (3.2mm x 2.5mm)	BB
CDC6CE125000ADLYR	Output Enable	125000000	Normal Mode	DLY (1.6mm x 1.2mm)	OA
CDC6CE125000ADLXR	Output Enable	125000000	Normal Mode	DLX (2.0mm x 1.6mm)	OA
CDC6CE125000ADLFR	Output Enable	125000000	Normal Mode	DLF (2.5mm x 2.0mm)	OA
CDC6CE125000ADLER	Output Enable	125000000	Normal Mode	DLE (3.2mm x 2.5mm)	OA
CDC6CE156250ADLYR	Output Enable	156250000	Normal Mode	DLY (1.6mm x 1.2mm)	NA
CDC6CE156250ADLXR	Output Enable	156250000	Normal Mode	DLX (2.0mm x 1.6mm)	NA
CDC6CE156250ADLFR	Output Enable	156250000	Normal Mode	DLF (2.5mm x 2.0mm)	NA
CDC6CE156250ADLER	Output Enable	156250000	Normal Mode	DLE (3.2mm x 2.5mm)	NA
CDC6CE200000ADLYR	Output Enable	200000000	Normal Mode	DLY (1.6mm x 1.2mm)	WA
CDC6CE200000ADLXR	Output Enable	200000000	Normal Mode	DLX (2.0mm x 1.6mm)	WA
CDC6CE200000ADLFR	Output Enable	200000000	Normal Mode	DLF (2.5mm x 2.0mm)	WA

Table 3-1. CDC6C OPN Information (continued)

Device	Pin 1 Functionality	Output Frequency (Hz)	Rise and Fall Time Option	Package Size	Device Top Marking
CDC6CE200000ADLER	Output Enable	200000000	Normal Mode	DLE (3.2mm x 2.5mm)	WA

4 CDC6C-Q1 OPN Information

Table 4-1. CDC6C-Q1 OPN Information

Device	Pin 1 Functionality	Output Frequency (Hz)	Rise and Fall Time Option	Package Size	Device Top Marking
CDC6C002000ADLYRQ1	Output Enable	2000000	Normal Mode	DLY (1.6mm x 1.2mm)	MA
CDC6C002000ADLRRQ1	Output Enable	2000000	Normal Mode	DLR (2.0mm x 1.6mm)	MA
CDC6C002000ADLFRQ1	Output Enable	2000000	Normal Mode	DLF (2.5mm x 2.0mm)	MA
CDC6C002000ADLNRQ1	Output Enable	2000000	Normal Mode	DLN (3.2mm x 2.5mm)	MA
CDC6C010000ADLYRQ1	Output Enable	10000000	Normal Mode	DLY (1.6mm x 1.2mm)	NA
CDC6C010000ADLRRQ1	Output Enable	10000000	Normal Mode	DLR (2.0mm x 1.6mm)	NA
CDC6C010000ADLFRQ1	Output Enable	10000000	Normal Mode	DLF (2.5mm x 2.0mm)	NA
CDC6C010000ADLNRQ1	Output Enable	10000000	Normal Mode	DLN (3.2mm x 2.5mm)	NA
CDC6C012288ADLYRQ1	Output Enable	12288000	Normal Mode	DLY (1.6mm x 1.2mm)	EA
CDC6C012288ADLRRQ1	Output Enable	12288000	Normal Mode	DLR (2.0mm x 1.6mm)	EA
CDC6C012288ADLFRQ1	Output Enable	12288000	Normal Mode	DLF (2.5mm x 2.0mm)	EA
CDC6C012288ADLNRQ1	Output Enable	12288000	Normal Mode	DLN (3.2mm x 2.5mm)	EA
CDC6C019200ADLYRQ1	Output Enable	19200000	Normal Mode	DLY (1.6mm x 1.2mm)	GA
CDC6C019200ADLRRQ1	Output Enable	19200000	Normal Mode	DLR (2.0mm x 1.6mm)	GA
CDC6C019200ADLFRQ1	Output Enable	19200000	Normal Mode	DLF (2.5mm x 2.0mm)	GA
CDC6C019200ADLNRQ1	Output Enable	19200000	Normal Mode	DLN (3.2mm x 2.5mm)	GA
CDC6C020000ADLYRQ1	Output Enable	20000000	Normal Mode	DLY (1.6mm x 1.2mm)	DA
CDC6C020000ADLRRQ1	Output Enable	20000000	Normal Mode	DLR (2.0mm x 1.6mm)	DA
CDC6C020000ADLFRQ1	Output Enable	20000000	Normal Mode	DLF (2.5mm x 2.0mm)	DA
CDC6C020000ADLNRQ1	Output Enable	20000000	Normal Mode	DLN (3.2mm x 2.5mm)	DA
CDC6C024000ADLYRQ1	Output Enable	24000000	Normal Mode	DLY (1.6mm x 1.2mm)	CA
CDC6C024000ADLRRQ1	Output Enable	24000000	Normal Mode	DLR (2.0mm x 1.6mm)	CA
CDC6C024000ADLFRQ1	Output Enable	24000000	Normal Mode	DLF (2.5mm x 2.0mm)	CA
CDC6C024000ADLNRQ1	Output Enable	24000000	Normal Mode	DLN (3.2mm x 2.5mm)	CA
CDC6C024576ADLYRQ1	Output Enable	24576000	Normal Mode	DLY (1.6mm x 1.2mm)	OA
CDC6C024576ADLRRQ1	Output Enable	24576000	Normal Mode	DLR (2.0mm x 1.6mm)	OA
CDC6C024576ADLFRQ1	Output Enable	24576000	Normal Mode	DLF (2.5mm x 2.0mm)	OA
CDC6C024576ADLNRQ1	Output Enable	24576000	Normal Mode	DLN (3.2mm x 2.5mm)	OA
CDC6C025000ADLYRQ1	Output Enable	25000000	Normal Mode	DLY (1.6mm x 1.2mm)	AA
CDC6C025000ADLRRQ1	Output Enable	25000000	Normal Mode	DLR (2.0mm x 1.6mm)	AA
CDC6C025000ADLFRQ1	Output Enable	25000000	Normal Mode	DLF (2.5mm x 2.0mm)	AA
CDC6C025000ADLNRQ1	Output Enable	25000000	Normal Mode	DLN (3.2mm x 2.5mm)	AA
CDC6C025000CDLYRQ1	Output Enable	25000000	Slow Mode 1	DLY (1.6mm x 1.2mm)	RA
CDC6C025000CDLRRQ1	Output Enable	25000000	Slow Mode 1	DLR (2.0mm x 1.6mm)	RA
CDC6C025000CDLFRQ1	Output Enable	25000000	Slow Mode 1	DLF (2.5mm x 2.0mm)	RA
CDC6C025000CDLNRQ1	Output Enable	25000000	Slow Mode 1	DLN (3.2mm x 2.5mm)	RA
CDC6C025000EDLYRQ1	Output Enable	25000000	Slow Mode 2	DLY (1.6mm x 1.2mm)	SA
CDC6C025000EDLRRQ1	Output Enable	25000000	Slow Mode 2	DLR (2.0mm x 1.6mm)	SA
CDC6C025000EDLFRQ1	Output Enable	25000000	Slow Mode 2	DLF (2.5mm x 2.0mm)	SA
CDC6C025000EDLNRQ1	Output Enable	25000000	Slow Mode 2	DLN (3.2mm x 2.5mm)	SA
CDC6C025000GDLYRQ1	Output Enable	25000000	Slow Mode 3	DLY (1.6mm x 1.2mm)	TA
CDC6C025000GDLRRQ1	Output Enable	25000000	Slow Mode 3	DLR (2.0mm x 1.6mm)	TA
CDC6C025000GDLFRQ1	Output Enable	25000000	Slow Mode 3	DLF (2.5mm x 2.0mm)	TA
CDC6C025000GDLNRQ1	Output Enable	25000000	Slow Mode 3	DLN (3.2mm x 2.5mm)	TA
CDC6C025000IDLRYRQ1	Output Enable	25000000	Slow Mode 4	DLY (1.6mm x 1.2mm)	UA

Table 4-1. CDC6C-Q1 OPN Information (continued)

Device	Pin 1 Functionality	Output Frequency (Hz)	Rise and Fall Time Option	Package Size	Device Top Marking
CDC6C025000IDLRRQ1	Output Enable	25000000	Slow Mode 4	DLR (2.0mm x 1.6mm)	UA
CDC6C025000IDLFRQ1	Output Enable	25000000	Slow Mode 4	DLF (2.5mm x 2.0mm)	UA
CDC6C025000IDLNRQ1	Output Enable	25000000	Slow Mode 4	DLN (3.2mm x 2.5mm)	UA
CDC6C026000ADLYRQ1	Output Enable	26000000	Normal Mode	DLY (1.6mm x 1.2mm)	KA
CDC6C026000ADLRRQ1	Output Enable	26000000	Normal Mode	DLR (2.0mm x 1.6mm)	KA
CDC6C026000ADLFRQ1	Output Enable	26000000	Normal Mode	DLF (2.5mm x 2.0mm)	KA
CDC6C026000ADLNRQ1	Output Enable	26000000	Normal Mode	DLN (3.2mm x 2.5mm)	KA
CDC6C027000ADLYRQ1	Output Enable	27000000	Normal Mode	DLY (1.6mm x 1.2mm)	HA
CDC6C027000ADLRRQ1	Output Enable	27000000	Normal Mode	DLR (2.0mm x 1.6mm)	HA
CDC6C027000ADLFRQ1	Output Enable	27000000	Normal Mode	DLF (2.5mm x 2.0mm)	HA
CDC6C027000ADLNRQ1	Output Enable	27000000	Normal Mode	DLN (3.2mm x 2.5mm)	HA
CDC6C027000CDLYRQ1	Output Enable	27000000	Slow Mode 1	DLY (1.6mm x 1.2mm)	VA
CDC6C027000CDLRRQ1	Output Enable	27000000	Slow Mode 1	DLR (2.0mm x 1.6mm)	VA
CDC6C027000CDLFRQ1	Output Enable	27000000	Slow Mode 1	DLF (2.5mm x 2.0mm)	VA
CDC6C027000CDLNRQ1	Output Enable	27000000	Slow Mode 1	DLN (3.2mm x 2.5mm)	VA
CDC6C027000EDLYRQ1	Output Enable	27000000	Slow Mode 2	DLY (1.6mm x 1.2mm)	WA
CDC6C027000EDLRRQ1	Output Enable	27000000	Slow Mode 2	DLR (2.0mm x 1.6mm)	WA
CDC6C027000EDLFRQ1	Output Enable	27000000	Slow Mode 2	DLF (2.5mm x 2.0mm)	WA
CDC6C027000EDLNRQ1	Output Enable	27000000	Slow Mode 2	DLN (3.2mm x 2.5mm)	WA
CDC6C027000GDLYRQ1	Output Enable	27000000	Slow Mode 3	DLY (1.6mm x 1.2mm)	XA
CDC6C027000GDLRRQ1	Output Enable	27000000	Slow Mode 3	DLR (2.0mm x 1.6mm)	XA
CDC6C027000GDLFRQ1	Output Enable	27000000	Slow Mode 3	DLF (2.5mm x 2.0mm)	XA
CDC6C027000GDLNRQ1	Output Enable	27000000	Slow Mode 3	DLN (3.2mm x 2.5mm)	XA
CDC6C027000IDLRYRQ1	Output Enable	27000000	Slow Mode 4	DLY (1.6mm x 1.2mm)	YA
CDC6C027000IDLRRQ1	Output Enable	27000000	Slow Mode 4	DLR (2.0mm x 1.6mm)	YA
CDC6C027000IDLFRQ1	Output Enable	27000000	Slow Mode 4	DLF (2.5mm x 2.0mm)	YA
CDC6C027000IDLNRQ1	Output Enable	27000000	Slow Mode 4	DLN (3.2mm x 2.5mm)	YA
CDC6C033333ADLYRQ1	Output Enable	33333000	Normal Mode	DLY (1.6mm x 1.2mm)	ZA
CDC6C033333ADLRRQ1	Output Enable	33333000	Normal Mode	DLR (2.0mm x 1.6mm)	ZA
CDC6C033333ADLFRQ1	Output Enable	33333000	Normal Mode	DLF (2.5mm x 2.0mm)	ZA
CDC6C033333ADLNRQ1	Output Enable	33333000	Normal Mode	DLN (3.2mm x 2.5mm)	ZA
CDC6C037500ADLYRQ1	Output Enable	37500000	Normal Mode	DLY (1.6mm x 1.2mm)	1A
CDC6C037500ADLRRQ1	Output Enable	37500000	Normal Mode	DLR (2.0mm x 1.6mm)	1A
CDC6C037500ADLFRQ1	Output Enable	37500000	Normal Mode	DLF (2.5mm x 2.0mm)	1A
CDC6C037500ADLNRQ1	Output Enable	37500000	Normal Mode	DLN (3.2mm x 2.5mm)	1A
CDC6C040000ADLYRQ1	Output Enable	40000000	Normal Mode	DLY (1.6mm x 1.2mm)	FA
CDC6C040000ADLRRQ1	Output Enable	40000000	Normal Mode	DLR (2.0mm x 1.6mm)	FA
CDC6C040000ADLFRQ1	Output Enable	40000000	Normal Mode	DLF (2.5mm x 2.0mm)	FA
CDC6C040000ADLNRQ1	Output Enable	40000000	Normal Mode	DLN (3.2mm x 2.5mm)	FA
CDC6C048000ADLYRQ1	Output Enable	48000000	Normal Mode	DLY (1.6mm x 1.2mm)	IA
CDC6C048000ADLRRQ1	Output Enable	48000000	Normal Mode	DLR (2.0mm x 1.6mm)	IA
CDC6C048000ADLFRQ1	Output Enable	48000000	Normal Mode	DLF (2.5mm x 2.0mm)	IA
CDC6C048000ADLNRQ1	Output Enable	48000000	Normal Mode	DLN (3.2mm x 2.5mm)	IA
CDC6C050000ADLYRQ1	Output Enable	50000000	Normal Mode	DLY (1.6mm x 1.2mm)	BA
CDC6C050000ADLRRQ1	Output Enable	50000000	Normal Mode	DLR (2.0mm x 1.6mm)	BA
CDC6C050000ADLFRQ1	Output Enable	50000000	Normal Mode	DLF (2.5mm x 2.0mm)	BA

Table 4-1. CDC6C-Q1 OPN Information (continued)

Device	Pin 1 Functionality	Output Frequency (Hz)	Rise and Fall Time Option	Package Size	Device Top Marking
CDC6C050000ADLNRQ1	Output Enable	50000000	Normal Mode	DLN (3.2mm x 2.5mm)	BA
CDC6C100000ADLYRQ1	Output Enable	100000000	Normal Mode	DLY (1.6mm x 1.2mm)	JA
CDC6C100000ADLRRQ1	Output Enable	100000000	Normal Mode	DLR (2.0mm x 1.6mm)	JA
CDC6C100000ADLFRQ1	Output Enable	100000000	Normal Mode	DLF (2.5mm x 2.0mm)	JA
CDC6C100000ADLNRQ1	Output Enable	100000000	Normal Mode	DLN (3.2mm x 2.5mm)	JA
CDC6C116150ADLYRQ1	Output Enable	116150000	Normal Mode	DLY (1.6mm x 1.2mm)	QA
CDC6C116150ADLRRQ1	Output Enable	116150000	Normal Mode	DLR (2.0mm x 1.6mm)	QA
CDC6C116150ADLFRQ1	Output Enable	116150000	Normal Mode	DLF (2.5mm x 2.0mm)	QA
CDC6C116150ADLNRQ1	Output Enable	116150000	Normal Mode	DLN (3.2mm x 2.5mm)	QA
CDC6C125000ADLYRQ1	Output Enable	125000000	Normal Mode	DLY (1.6mm x 1.2mm)	LA
CDC6C125000ADLRRQ1	Output Enable	125000000	Normal Mode	DLR (2.0mm x 1.6mm)	LA
CDC6C125000ADLFRQ1	Output Enable	125000000	Normal Mode	DLF (2.5mm x 2.0mm)	LA
CDC6C125000ADLNRQ1	Output Enable	125000000	Normal Mode	DLN (3.2mm x 2.5mm)	LA

5 Summary

This application note provides a summary of how to decode information from the CDC6Cx family orderable part numbers. This document also includes a list of the current OPNs in the CDC6Cx family. See this document for detailed decoded information or for general guidance on decoding CDC6Cx parts.

6 References

- Texas Instruments, [CDC6Cx Low Power LVCMOS output BAW Oscillator](#), data sheet
- Texas Instruments, [CDC6Cx-Q1 Low Power LVCMOS output BAW Oscillator](#), data sheet

7 Revision History

Changes from Revision * (December 2024) to Revision A (January 2025)	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document	1

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