



Product Change Notice (PCN)

Date: **02/28/2025**

PCN Number: **PCN-0334216R-01**

To Our Customers:

We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: *CMM-3424DT-26165-TR*

Reason(s) for Change: *Updated chip design circuit*

Description of Change: *See update comparison on chart below*

Change Comparison				Previous			New			
PARAMETER	Symbol	TEST CONDITIONS		MIN	TYP	MAX	MIN	TYP	MAX	UNIT
Current Consumption	IDD				600	700	600	800	1000	µA
Standby Current	ISTANDBY	fclock < 250KHz			50			10	30	µA
Total Harmonic Distortion	THD	115dB SPL @ 1KHz (previous) --> 94dB SPL @ 1KHz (new)				2		0.15	0.3	%
Output Load	CLOAD					100			500	pF
Delay Time for Valid Data	tdv	CLK =3.072MHz Oscilloscope: APx525 (probe Cin= 24pF)	DataTransHigh	1.8V	26	82	30		180	ns
				3.3V		80	24		119	
			Data Tran Low	1.8V		80	30		180	
				3.3V		81	22		118	
Delay Time for High Z	tdz	CLK =3.072MHz Oscilloscope: APx525 (probe Cin= 24pF)	DataTransHigh	1.8V		25	1		14	ns
				3.3V		24	1		10	
			Data Trans Low	1.8V		26	1		14	
				3.3V		25	1		10	
Settling time	ts			1.8V						ms
				3.3V		2.65	5.5		13.5	
Startup Time		Powered Down→Active Mode		1.8V		2.65	5.5			ms
				3.3V		2.45	5.3		13.5	

Affected Date Code: **1525**

Product Availability: *All product with the date code on or after 1525*

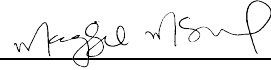


PCN Approval:

Operations/Quality

A handwritten signature in black ink, appearing to read 'Robert Garcia', positioned above a horizontal line.

Product Management

A handwritten signature in black ink, appearing to read 'Maggie Brown', positioned above a horizontal line.
