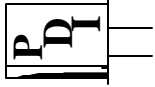
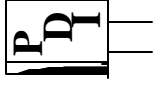


# Precision Devices, Inc.



8840 N. Greenview Dr.  
 Middleton, WI 53562  
 Phone: 608-831-4445  
 1-800-274-XTAL  
 Fax: 608-831-3343



Visit our web site at [www.pdixtal.com](http://www.pdixtal.com)

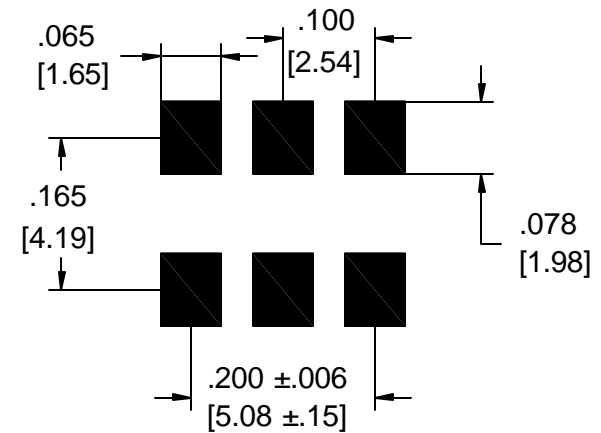
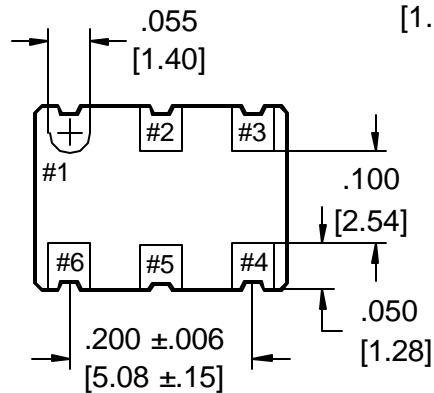
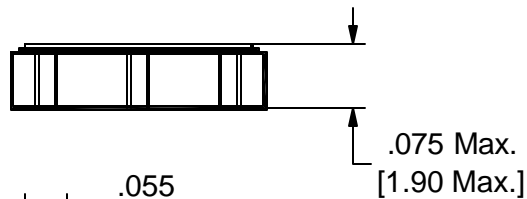
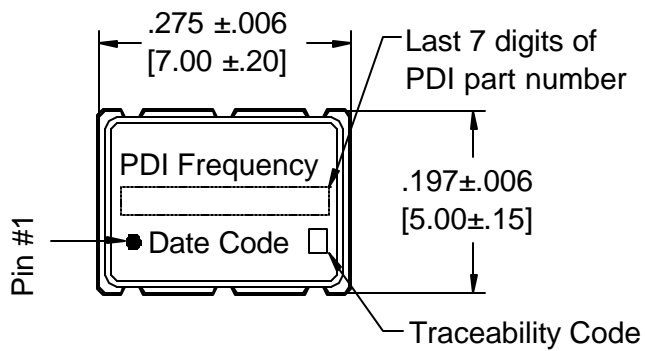
Sales Information [sales@pdixtal.com](mailto:sales@pdixtal.com)

## Electrical Specifications

1. Center Frequency: 40.000000 MHz
2. Output: LVPECL
3. Frequency Tolerance: See Line 5
4. Operating Temperature Range: 0°C to +70°C
5. Frequency Stability: ±50ppm (Inclusive of tolerance, supply voltage change, reflow drift and 10 years aging)
6. Storage Temperature Range: -55°C to +125°C
7. Duty Cycle: 45/55% Maximum
8. Rise / Fall Times: 0.5nS Typical, 1nS Maximum
9. Supply Current: 60mA Typical, 90mA Maximum
10. Input Voltage: VIL: 0.3Vcc Maximum  
 VIH: 0.7Vcc Minimum
11. Output Voltage: VOL: 1.68Vdc Maximum  
 VOH: 2.275Vdc Maximum
12. Output Load: 50 Ohms Maximum
13. Start-up Time: 2mS Maximum
14. Supply Voltage: +3.3Vdc±5%
15. Period Jitter: 3pS Typical, 5pS Maximum (RMS)
16. Phase Jitter (12KHz to 20MHz): 0.5pS Typical, 1.0pS Maximum (RMS)
17. Enable Time: 2mS Maximum
18. Disable Time: 200nS Maximum
19. Standby Current: 30uA Maximum
20. Phase Noise: 10Hz Offset  
 100Hz Offset      -60dbc/Hz Typical  
 1KHz Offset        -90dbc/Hz Typical  
 10KHz Offset       -125dbc/Hz Typical  
 100KHz Offset      -140dbc/Hz Typical  
                          -145dbc/Hz Typical

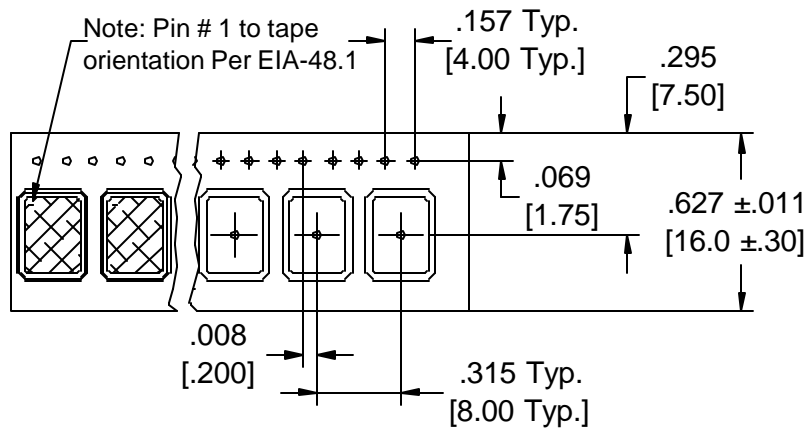
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REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN	Originator	Date	Engineering	Date
						J.L.	3/24/10	C.H.	3/24/10
						TITLE Crystal Oscillator Assembly		FKA	65023R
						PART NUMBER	PE074000XMCARX		
						DATE	SCALE	ECN.	REV.
						3/24/10	N.T.S.	E0927	B
B	3/10	2	Updated Mechanical drawing.(Height changed from 1.20mm to 1.90 Max.)	J.L.	E0927	SIZE	CAGE	Page 1 of 2	
						A	0S4G1		



Recommended Land Pattern

PIN	CONNECTION
1	Output/Enable
2	No Connect
3	Ground
4	Output 1
5	Output 2
6	Vcc



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Manufacturer of Quartz Crystal Products

DECIMAL	DWG FILE	PART NUMBER	
XX=±.020 XXX=±.008	65023R	PE0740000XMCARX	
METRIC	SCALE	FREQUENCY	DRAWN BY
XX=±.50 XXX=±.20	N.T.S.	40.000000 MHz	J.Lawinger
ANGULAR	DRAWING TYPE		DATE
XX=±2°	Crystal Oscillator Assembly		3/24/10
	REV. LEVEL	ECN NO.	CAGE CODE
	B	E0927	0S4G1