

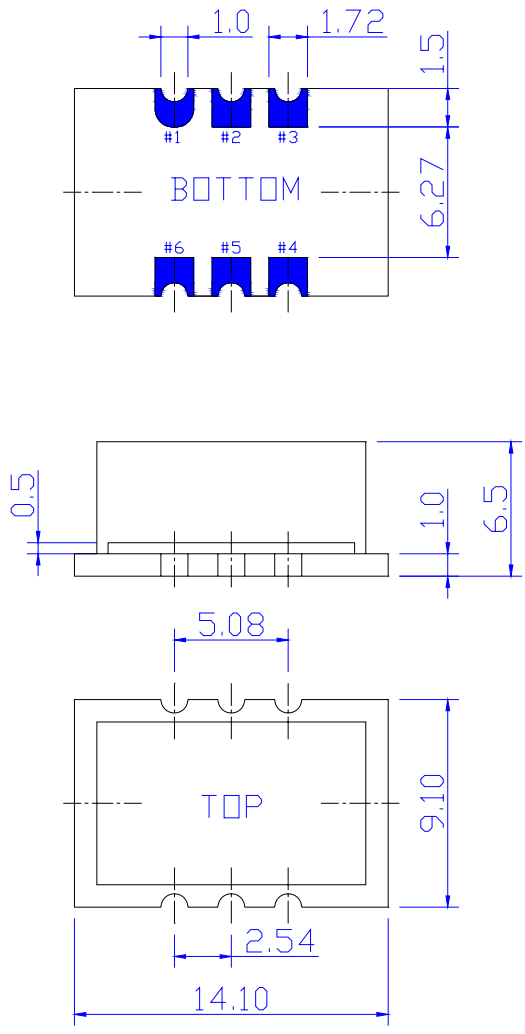
**Voltage Controlled Crystal Oscillator Specification**  
(PLL8 Multi-Frequencies)

**Part No.: VX-STD-155.52M**

**Detail Specification**

Nominal Frequency:	155.520MHz (Less than 200M)
Supply Voltage:	+3.3V +/- 5%
Supply Current:	90mA
Frequency Tolerance:	<= +/-10ppm / Vc = +1.65V @ 25°C
Frequency Stability:	+/-25ppm @ temperature range: -40 ~ +85°C
	Storage temperature range: -55 ~ +125°C
	<= +/-3ppm @ 3.3V +/- 5%
	<= +/-1ppm @ 50 Ohms +/- 10%
Output	PECL (LVPECL) Duty cycle: 45/55% Rise/Fall time:1nS
Phase Jitter	Jitter: 12KHz ~ 40MHz P-P: <= 20PS
Voltage Control	Voltage control range: ±75~120PPM Control voltage:+1.65V +/-1.35V Slope: Positive Linearity: +/-15% Input impedance: >= 5M Ohms Modulation bandwidth: >= 15 KHz
Aging	±2PPM/year ±10PPM/15 years
Phase Noise	10Hz: -60dBc/Hz 100Hz: -95dBc/Hz 1KHz: -125dBc/Hz 10KHz: -140dBc/Hz 100KHz: -145dBc/Hz 1MHz: -145dBc/Hz
Load	50 Ohms
Vibration	1.52mm (Amplitude), 10-55Hz, 3 directions, 1 hour per direction
Shock	981m/s <sup>2</sup> , 6ms half-Sine, 3 directions, 3 times per direction
Temp Cycle	1 hour @ -50°C 0.5 hours @ worm temperature 1 hour @ +90°C 6 times cycle
ESD	2KV
Solerability	260°C: 10s

**Package and Pin Connections:** 14.1x9.1x6.5mm, 6 pads



**Pin Connections:**

- #1: VC
- #2: STAND-BY ("0" or "Float": Enable; "1": Disable)
- #3: GND
- #4: OUTPUT
- #5: Coutput
- #6: Vcc

**Marking:**

155.52M  
VX STD  
S/N: xxxx  
IT ww/yy