PACKAGE DIMENSIONS (mm)

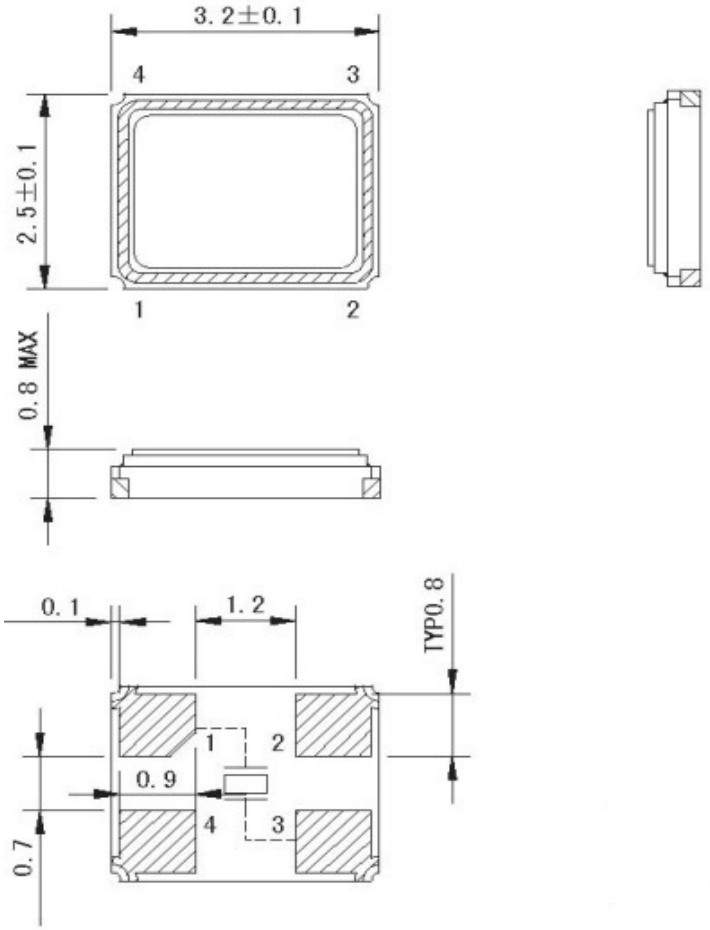

Figure 1) Top, Side, Bottom Views and Land

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL SPECIFICATIONS

Frequency: 20.000000 MHz
Frequency Tolerance @ +25°C: ± 10 ppm Max.
Frequency Stability -40 to +85°C: ± 30 ppm Max.
Crystal Cut: AT Strip
Load Capacitance (CL): 10 pF
Recommended Drive Level: 100 µW Max.
Effective Series Resistance: 50 Ω Max.
Shunt Capacitance: 5 pF Max.
Mode of Operation: Fundamental
Aging (first year): ± 3 ppm/ Max.
Storage Temperature: -60 to +105°C
Operating Temperature: -60 to +105°C
Package Type: ECX-32

ECS Part Number: ECS-200-CDX-0998

ECS INC. INTERNATIONAL
1105 S. Ridgeview
Olathe, KS 66062
(913) 782-7787

* This crystal has been qualified by Linear Technology for use with the Eterna mesh-networking family of products. Network operation relies on timing more precise than provided by the crystal accuracy itself, requiring that crystals be characterized and qualified.

SIGNATURES	DATE
DRN **BL**	8/25/2014
CHK **RC**	8/25/2014
APP **DK**	8/25/2014
Dimensions in mm	

TITLE	**20.000 MHz Crystal, ECX-32** **Pb Free/RoHS Compliant**	
SIZE A	DWG NO. ECS-200-CDX-0998	REV
CAGE CODE: 1G8B7		SHEET 1 OF 1