

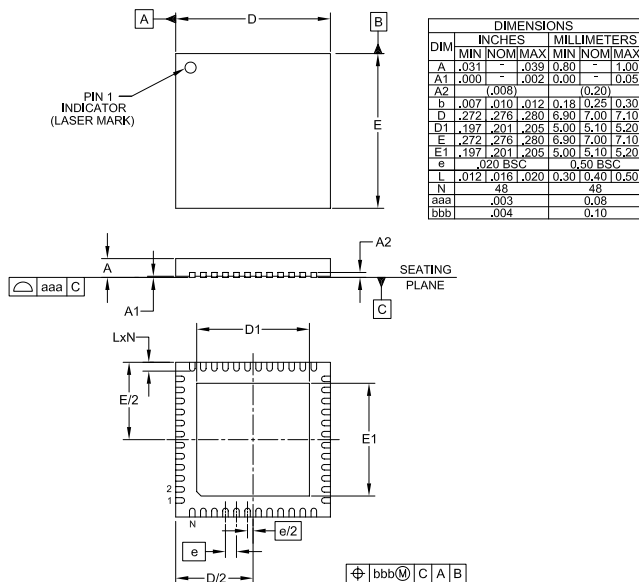
Wideband High Performance Multi-Channel Low Power Transceiver

Product Brief

XE1203F – Wideband High Performance Multi-Channel UHF-band Transceiver

Characteristics					
Parameter	Min	Typ	Max	Unit	Condition
Operating Conditions					
Operating temperature range	-40		+85	°C	
Current Consumption					
Current consumption, sleep mode		200		nA	
Current consumption R_X		14		mA	
Current consumption T_X		33		mA	+5 dBm
		62		mA	+15 dBm
RF Characteristics					
Frequency range (Frequencies 160 - 1000 MHz with external component changes)	435		435	MHz	500 Hz resolution
	863		870	MHz	
	902		928	MHz	
T_X Output power (Programmable)	0		15	dBm	
R_X sensitivity		-114		dBm	4.8 kbits/s
Conditions: Supply Voltage=3.3V, Temp=25°C, 2-level FSK, f_c =915 MHz, Δf =55 kHz, Bit rate=4.8 kbit/s, $BBW_{(DSB)}$ =200 kHz, BER=0.1%.					

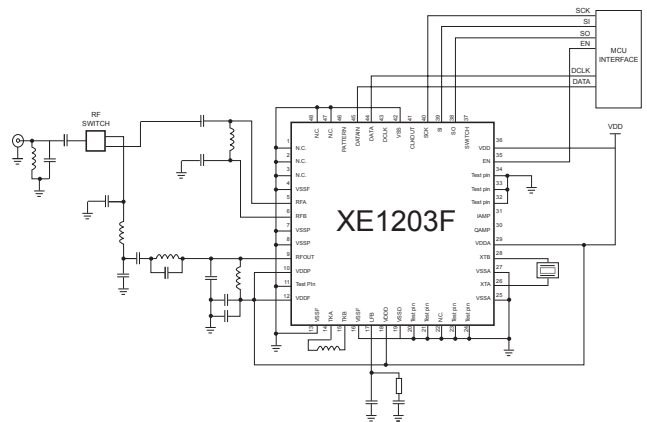
XE1203F Package Drawing



NOTES:

- CONTROLLING DIMENSIONS ARE IN MILLIMETERS (ANGLES IN DEGREES).
- COPLANARITY APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINALS.

Typical Application Circuit



Ordering Information

Part Number	Temperature Range	Package
XE1203F1063TRLF	-40 °C to +85 °C	VQFN48
Note: 2500 pcs Tape & Reel		

Visit our website to locate the most current product specifications, datasheets and contact information for your local Semtech Field Applications Engineer.