XC2141 Series

ICs for use with Crystal Oscillators DETAILS

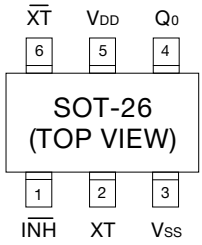
General Description

The XC2141 series are a group of high frequency, CMOS low power crystal oscillators with on-chip divider circuitry that operate from a supply voltage of 3.5V.
Output frequency can be selected from four frequencies : Fundamental f0 x 1, Divided f0 x 2, f0 x 4, f0/8.

Features

Oscillator Frequency : 20MHz to 58MHz
Divider Ratio : Selectable from f0 x 1, f0 x 2, f0 x 4, f0 x 8
Output : 3 state
Operating Voltage Range : 3.5V ± 10%
Small Quiescent Current : 10mA (Fosc=53MHz)
Stand-By Function
Ultra Small Package : SOT-26 (150mW) mini mold

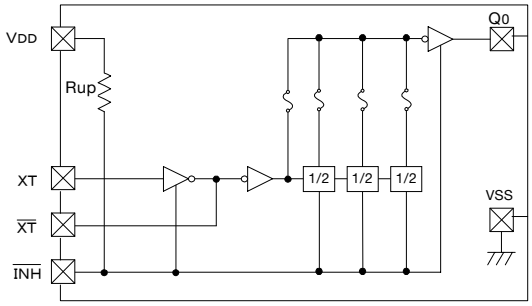
Pin Configuration



Pin Assignment

PIN NUMBER	PIN NAME	FUNCTION
1	INH/	Control *
2	XT	Oscillator Connection (Input)
3	VSS	GND
4	Q0	Output
5	VDD	Power Supply
6	XT/	Oscillator Connection (Output)

Block Diagram



Ordering Information

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abc d e f g h

DESIGNATOR	DESCRIPTION	DESIGNATOR	DESCRIPTION
a	Supply Voltage : 4 = 3.5V	e	Divider Ratio : 1=f0/1, 2=f0/2, 4=f0/4, 8=f0/8
b	Product Series : 1 = Large output capability, fundamental & overtone	f	Fundamental / Overtone Rf, Cg, Cd : A = No Rf, Cg,Cd = 2pF
c	Duty Level : A = CMOS (VDD/2) & TTL C = CMOS (VDD/2) T = TTL	g	Package : M = SOT-26
d	2	h	Device Orientation : R = Embossed Tape (orientation of device : right) L = Embossed Tape (orientation of device : left)