

ICEPIC PROG-MOD OSCILLATOR

- Frequency Range 46.875kHz-24.00MHz
- Low current consumption (CMOS IC structure)
- Starting time < 1.5mS
- High noise immunity
- No adjustment needed once frequency selected
- Frequency accurate to ± 100 ppm

The PROG-MOD uses a super small CMOS crystal clock oscillator and fits in a 14 pin DIP package equipped with a programmable frequency divider. 7 different oscillators are supplied and each frequency can be divided by $1/2$ to $1/2^8$ to give 64 possible clock speeds selectable at the users choice.

PROG-MOD Standard Frequencies

fo MHz	fo/2 MHz	fo/4 MHz	fo/8 MHz	fo/16 kHz	fo/32 kHz	fo/64 kHz	fo/128 kHz	fo/256 kHz
12.00	6.00	3.00	1.5	750	375	187.5	93.75	46.875
14.31818	7.15909	3.579545	1.789772	894.88	447.44	223.72	111.875	55.9375
14.7456	7.3728	3.6864	1.8432	921.6	460.8	230.4	115.2	57.6
16.00	8.00	4.00	2.00	1000.0	500.0	250.0	125.0	62.5
19.6608	9.8304	4.9152	2.4576	1128.8	614.4	307.2	153.6	76.8
20.00	10.00	5.00	2.50	1250.0	625.0	312.5	156.25	78.125
24.00	12.00	6.00	3.00	1500.0	750.0	375.0	187.5	93.75

Frequency Divider Selection Links

The frequency required is selected by means of links LK1 located on the module.

Frequency	A	B	C	D
fo	1-2	1-2	1-2	1-2
fo/2	2-3	2-3	2-3	2-3
fo/4	2-3	1-2	2-3	2-3
fo/8	2-3	2-3	1-2	2-3
fo/16	2-3	1-2	1-2	2-3
fo/32	2-3	2-3	2-3	1-2
fo/64	2-3	1-2	2-3	1-2
fo/128	2-3	2-3	1-2	1-2
fo/256	2-3	1-2	1-2	1-2

PROG-MOD Package Contents

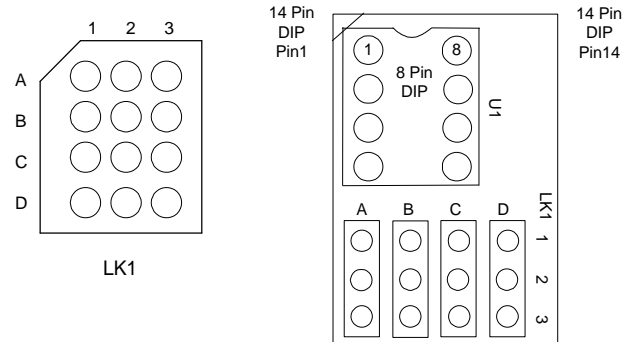
- 1pc PROG-MOD Assembly
- 1pc 32 kHz Oscillator Module
- 7pcs Crystal Oscillator ICs (12.00,14.31818,14.7456,16.00,19.6608,20.00,24.00 MHz)
- 4pcs Header links for LK1

Changing The Crystal IC

To ensure proper operation of the PROG-MOD oscillator the crystal IC must be inserted in the correct position. Pin 1 of the crystal IC must be inserted into the Pin 1 position of the 14 pin DIP package marked with a yellow triangle and make sure all pins are properly fitted into the 8 pin socket.

WARNING

The crystal oscillator employs a CMOS IC integrated with a protection circuit for static electricity, please handle only in an anti-static environment.



Part Number	Description
PROG-MOD	Programmable Oscillator Module

For more information contact :-

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