

CLEE 8 Channel Quantizer BOM - Version 2

Resistors		Use 1% throughout
3.3 Meg	2	
2.7 meg	1 (8)	8 for offset null - FIT IF NEEDED
150K	1	
100K	16	
68K	3	
51K	9	
47K	2	FOR 15volt supply use 33K
33K	1	
20K	1	FOR BUCHLA 1.2v/ Octave use 15.8K
18K	1	FOR 15volt supply use 12K
15K	1	FOR BUCHLA 1.2v/ Octave use 18.2K
10K	3	
3.9K	8	
1K5	2	
(1.5K)	8	R-LED use size appropriate for your LEDs
1K	12	
330R	8	
Ferrite Bead	2	
Capacitors		
47uf electrolytic	2	Power bybpassing 10-25 ufd
.33uf poly	1	
.1uf poly	1	
.1uf ceramic	23	bypass capacitors
.01 uf	2	
.022uf poly/metal	8	sample and hold output caps
.001uf	1	
30pf	2	
22pf	8	
Semiconductors		
1N914	5	Any standard diode
BAT42	4	Schottky diode Bat42 or 1N5817
TL074	4	Quad Op Amp
TL072	2	Dual Op Amp
TL071	1	Single Op Amp
ADG408	2	8 input Multiplex
CD4013	1	Dual D Flip Flop
MCP4821	1	12 bit DAC
LM4040 5V	2	5.0 volt Precision ref voltage TO-92 case - OR USE 5.1v Zener Diodes
LM78L05	1	5 volt voltage regulator
	1	PIC Microcontroler SENT WITH THE BOARD
20mhz xtal	1	20 MHZ Crystal
TRIMMERS		cermet multiturn trimmer pots
5k Multiturn trim	2	
100K Multiturn	1	
100K Multiturn *	8	offset Null S&H TL074s * don't install unless needed
MISC		
SPDT switch	1	Hold/ S&H switch
SPST switch	1	Bank switch
50K Linear Pot	6	
LED	6	IF USING LCD PCB only 1 LED is needed
Blue Banana	19	
Red Banana	1	
4pin tactile switch	1	RESET, PCB mount momentarry close DO NOT INSTAL
2pin .1 header	1	CALIBRATE, PCB mount connector
(1 pin header)	2	Wire or pin to make test point connectors
Programing connector		6pin .1" INSTAL ONLY IF YOU NEED IT TO PROGRAM THE PIC CHIP