

VnIcursal VCA v5 BOM

Qty	Value	Device	Package	Parts
27	100k	RESISTOR.1(1/4watt 5% or %1)(all resistors from small bear or mouser)		
19	1k	RESISTOR.1	RES-VERT-.1	R7, R9, R11, R21, R22, R25, R29,
6	270k	RESISTOR.1	RES-VERT-.1	R77, R78, R79, R80, R81, R82
6	47k	RESISTOR.1	RES-VERT-.1	R6, R17, R28, R39, R48, R59
6	62k	RESISTOR.1	RES-VERT-.1	R4, R15, R26, R37, R50, R60
6	75k	RESISTOR.1	RES-VERT-.1	R5, R16, R27, R38, R49, R61
3	18k	RESISTOR.1	RES-VERT-.1	R13, R35, R57
3	18k*	RESISTOR.1 (depends on led color/mcd, should be 16k for my red leds)		
6	10k			
1	L1	RESISTOR.1	RES-VERT-.1	R2 (L1-L6 value dependent on led color and mcd)
1	L2	RESISTOR.1	RES-VERT-.1	R14
1	L3	RESISTOR.1	RES-VERT-.1	R20
1	L4	RESISTOR.1	RES-VERT-.1	R34
1	L5	RESISTOR.1	RES-VERT-.1	R45
1	L6	RESISTOR.1	RES-VERT-.1	R56
14	0.1uf	CAPACITOR	CAP/.15X.08	(mouser#:594-K104K15X7RF53L2)
8	10pf	CAPACITOR	CAP/.15X.08	(mouser#:594-K100J15C0GF5TL2)
6	330pf	CAPACITOR	CAP/.15X.08	(mouser#:594-K331J15C0GF53L2)
2	10uf	CAPACITOR-POL5MMX2MM	CAP/	(mouser#:647-USR1E100MDD)
3	LM13700N	Dual OTA	OTA_DIP16	IC1, IC2, IC(all ics from tayda/mouser)
3	TL074	OPAMP/QUAD	14-PDIP	U2, U3
1	TL072	OPAMP/DUALDIP	8-DIP	
6	2N3904	NPN TRANSISTOR	T092	T1, T2, T3, T4, T5, T6 (tayda)
6	2N3906	PNP TRANSISTOR	T092D	Q1, Q2, Q3, Q4, Q5, Q6 (tayda)
2	1N4001	DIODE	D041-10	D1 (tayda)
6	b10K	POTENTIOMETERS(song huei tall trim kind from erthenvar,thonk,or tayda with no markers)		
6	100k	TRIMS	6MM	TM1, TM2, TM3, TM4, TM5, TM6 (tayda)
19	jacks	qingpu (and 19 nuts) (from erthenvar,thonk, or me)		
6	3mm	leds		(tayda)
1	10mm	spacer/offset female/female (eBay)		
2	5mm~	M3 screws for spacer (mcmastercarr#:91698A301)		
3	JMP/3Pin/SIP (MALE header)(i get all my headers from tayda, buy a long strip and cut it up)			
2	JMP/15Pin/SIP (MALE header)			
2	JMP/5Pin/SIP (MALE header)			
3	3/PIN/SIP (FEMALE header)			
2	15/PIN/SIP (FEMALE header)			