

Zlob Modular VC F3DB BOM. All parts are through-hole.
DO NOT SUBSTITUTE PARTS UNLESS YOU UNDERSTAND THE CONSEQUENCES.

Qty	Value	Device	Package	Parts	mouser #/tayda sku
38	0.1uf	mlcc CAPACITOR	CAP/.15X.08		594-K104K15X7RF53L2
13	10pf	mlcc CAPACITOR	CAP/.15X.08	C10, C20	594-K100K15C0GF53L2
8	330pf	mlcc CAPACITOR	CAP/.15X.08	C9, C19	594-K331J15C0GF53L2
6	1uf	mlcc blue CAPACITOR	CAP/.15X.08	C11, C21	810-FG18X5R1H105KRT0
6	10uf	electrolytic CAPACITOR	POL5MMX2MM	C3, C16,	647-USR1E100MDD
1	0.47uf	mlcc blue CAPACITOR	CAP/.15X.08		810-FG14X7R1E474KNT6

tayda sells kemet 5mm spacing film box too

8	3.3nf	polyester film box	should all be 5%		80-R82EC1330DQ50J
6	1nf	polyester film box	5MM_SPACE_C		80-R82EC1100DQ50J
6	2.2nf	polyester film box	5MM_SPACE_CAP		80-R82EC1220DQ50J
5	68nf	polyester film box	5MM_SPACE_CAP		80-R82EC2680SH60J
5	4.7nf	polyester film box	5MM_SPACE_CAP	C24	80-R82EC1470SH50J
4	1.5nf	polyester film box	5MM_SPACE_CAP	C24,	80-R82EC1150SH50J
4	15nf	polyester film box	5MM_SPACE_CAP	C5,	80-R82EC2150DQ50J
4	22nf	polyester film box	5MM_SPACE_CAP	C24, C35	80-R82EC2220SH50J
2	10nf	polyester film box	5MM_SPACE_CAP	C37, C39	80-R82IC2100DQ50J

check bourns, xicon, and TT electronics for arrays(if one brand is out of stock)or check digikey

11	100k	6pin array Isolated	SIL6	SIL RESISTOR	652-4606X-2LF-100K
6	47K	8pin array Iso	SIL8	SIL RESISTOR	858-L0835473LF
6	1k	8pin array Iso	SIL8		652-4608X-2LF-1K
1	10K	6pin array Iso	SIL6	SIL RESISTOR	652-4606X-2LF-10K
1	1KA	6pin array Iso	SIL6		267-1.0K-RC
2	100Kbus	4pin array Bussed	SIL4	SIL RESISTOR	652-4604X-1LF-100K
1	100Kbus	7pin array Bussed	SIL7		652-4607X-1LF-100K

15	47k	RESISTOR.1	RES-VERT-.1	R5, R25,	SKU: GROUP PRODUCT 1
13	150k	RESISTOR.1	RES-VERT-.1	R1, R2, R3, R4	
10	22k	RESISTOR.1	RES-VERT-.1	R37, R39	
8	10k	RESISTOR.1	RES-VERT-.1	R11, R36	
7	270k	RESISTOR.1	RES-VERT-.1	R11, R27	
7	62k	RESISTOR.1	RES-VERT-.1	R8, R23	
6	20k	RESISTOR.1	RES-VERT-.1	R18, R35	
6	2k	RESISTOR.1	RES-VERT-.1	R41, R42	
3	5.6k	RESISTOR.1	RES-VERT-.1	R45	
3	470R	RESISTOR.1	RES-VERT-.1	R38	
2	7.5k				
2	1k	RESISTOR.1	RES-VERT-.1	R1, R2	
2	680R	RESISTOR.1	RES-VERT-.1	R39, R40	
1	120k	RESISTOR.1	RES-VERT-.1	R41	
1	75k	RESISTOR.1	RES-VERT-.1	R44	
1	16k	RESISTOR.1	RES-VERT-.1	R43	
1	15k	RESISTOR.1	RES-VERT-.1	R45	
1	11k	RESISTOR.1	RES-VERT-.1	R37	
1	4.7k				
1	3.3k	RESISTOR.1	RES-VERT-.1	R37	
1	100R	RESISTORRES-HOR-0.4	RES-HOR-0.4	R8	

11	TL074	OPAMP/QUAD	14-PDIP	U1, U2, U5	SKU A-1138
4	LM13700	LM13700N	DIL16	IC1	SKU A-900
1	TL072	OPAMP/DUALDIP	8-DIP	U3	SKU: A-037
7	2N3904	T092	T1, T2	NPN TRANSISTOR	SKU: A-11
7	2N3906	T092	Q1, Q2	PNP Transistor	SKU: A-117
32	4148	VERTDIODESMALL	VERTDIODESMALL	U\$1, U\$2, U\$4, U\$5	SKU A-157
2	4001	VERTDIODE	VERTDIODE	U\$1, U\$8	SKU A-162

1	LED3MM yellow	LED3MM	U\$20	SKU: A-263
11	14pin dip sockets			SKU A-004
4	16pin dip sockets			SKU A-003
1	8pin dip socket			SKU: A-001
25	qingpu/thonkiconn jacks		from me or various suppliers	
25	jack nuts		from me or various suppliers	
6	toggle switch dailywell sub-mini spdt on-on		from me or thonk	
12	jack nuts			from me or thonk
9	slide switch dailywell sub-mini spdt on-on(5mm actuator)			from me
6	b10k ALPHA/bourns 20mm led Fader(15mm lever)		from me or thonk or	312-2045F-R10K
2	b10k Alpha vertical t18 9mm vertical snap-in pot		from me or various suppliers	
1	b1M Alpha vertical t18 9mm vertical snap-in pot		from me or various suppliers	
3	black pot nuts			from me or thonk
3	black pot washers			from me or thonk
3	befaco black micro knobs			from me or thonk
7	100k TRIMSIDE 6MMSIDE		U\$7, U\$9	SKU: A-881
13	4pin right angle male normal 2.54mm			SKU A-199
1	6pin right angle male		cut long strip to various size	
3	5pin JMP/5P/SIP	JMP/5P/SIP	U\$8	
7	3pin	JMP/3P/SIP	JMP/3P/SIP	J1, J5
5	1pin male right angle Btype 1PINSIP anchors 2.54mm		from me or	200-TSW10509TSRA or jameco 103271

it is NOT suggested to use other types of female headers. these 3m ones are hard to cut, so it's easiest to buy the 4pin individual ones and a longer 16pin one to cut to size for the rest

13	4pin female low profile 3m fork headers			517-929870-01-04-RA
3	5pin female low profile 3m fork headers			517-929870-01-16-RA
1	6pin female low profile 3m fork headers			
1	3pin female low profile 3m fork headers			
2	5pin straight male header 2.54mm		cut long strip to various size	SKU A-197
2	3pin straight male header			
2	8pin straight male header			
8	shunts			SKU A-1324
4	M3 screws			
1	ribbon cable			
5	pcbs			
1	panel			

4.5" of adhesive strips for male to female headers (3M VHB #5952 1/4")(optional, but recommended)