

258c clone BOM

by SAMODULAR rev. 1.1s

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1, D2, D3, D4	4		512-1N457
1N5233	Z1, Z2	2		512-1N5233B

Resistors				
2.2R	R54, R120	2	1% 1/4W	660-MF1/4DC22R0F
39R	R50, R115	2	1% 1/4W	603-MFR-25FRF52-39R
150R	R32, R94	2	1% 1/4W	603-MFR-25FBF52-150R
470R	R42	1	1% 1/4W	603-MFR-25FBF52-470R
680R	R38, R43, R47, R49, R100, R105, R108, R109	8	1% 1/4W	603-MFR-25FBF52-680R
1K	R7, R56, R69, R122	4	1% 1/4W	603-MFR-25FBF52-1K
2.2K	R104	1	1% 1/4W	603-MFR-25FBF52-2K2
2.49K	R12, R13, R25, R74, R75, R87	6	1% 1/4W	603-MFR-25FBF52-2K49
3K	R57, R123	2	1% 1/4W	603-MFR-25FRF52-3K
3.3K	R8, R40, R70, R102	4	1% 1/4W	603-MFR-25FBF52-3K3
4.7K	R18, R44, R80, R112	4	1% 1/4W	603-MFR-25FBF52-4K7
4.99K	R24, R86	2	1% 1/4W	603-MFR-25FBF52-4K99
6.8K	R29, R34, R35, R39, R91, R96, R97, R101	8	1% 1/4W	603-MFR-25FBF52-6K8
6.81K	R16, R78	2	1% 1/4W	603-MFR-25FBF52-6K81
10K	R4, R15, R23, R52, R66, R77, R85, R110	8	1% 1/4W	603-MFR-25FBF52-10K
12K	R55, R121	2	1% 1/4W	603-MFR-25FBF52-12K
15K	R27, R30, R31, R36, R89, R92, R93, R98	8	1% 1/4W	603-MFR-25FBF52-15K
33K	R14, R26, R28, R33, R76, R88, R90, R95	8	1% 1/4W	603-MFR-25FBF52-33K
51K	R53, R119	2	1% 1/4W	603-MFR-25FBF52-51K
56K	R11, R73	2	1% 1/4W	603-MFR-25FBF52-56K
60.4K	R9, R71	2	1% 1/4W	603-MFR-25FBF52-60K4
68K	R19, R46, R81, R107	4	1% 1/4W	603-MFR-25FBF52-68K
91K	R2, R64	2	1% 1/4W	603-MFR-25FBF52-91K
100K	R1, R5, R6, R48, R63, R67, R68, R113	8	1% 1/4W	603-MFR-25FBF52-100K
105K	R20, R82	2	1% 1/4W	603-MFR-25FBF52-105K
150K	R37, R62, R124	3	1% 1/4W	603-MFR-25FBF52-150K
200K	R61, R118	2	1% 1/4W	603-MFR-25FBF52-200K
270K	R21, R83	2	1% 1/4W	603-MFR-25FBF52-270K
330K	R22, R41, R45, R84, R99, R103, R106	7	1% 1/4W	603-MFR-25FBF52-330K
402K	R58, R114	2	1% 1/4W	603-MFR-25FBF52-402K
470K	R17, R79	2	1% 1/4W	603-MFR-25FBF52-470K
680K	R59, R111, R116	3	1% 1/4W	603-MFR-25FBF52-680K
820K	R51, R60, R117	3	1% 1/4W	603-MFR-25FBF52-820K
4.7M	R10, R72	2	5% 1/4W	603-CFR-25JB-52-4M7
10M	R3, R65	2	5% 1/4W	603-CFR-25JB-52-10M

Capacitors				
220pF	C6, C14	2	Ceramic 5mm	810-FA28C0G1H22100
4.7nF	C2, C10	2	Styrene 2mm or 5mm LS	23PW247
10nF	C7, C16	2	Ceramic 5mm	810-FA28C0G1H10300
47nF	C1, C9	2	Film 5mm	871-B32529C147J
0.1uF	C17, C18, C19, C20, C21, C22	6	Ceramic 5mm	810-FA28X7R1H10400
0.1uF	F1, F2, F3, F4, F5, F6, F7, F8	8	Ceramic 0805	81-GRM155R71H104KE4D
15uF	C3, C4, C5, C8, C11, C12, C13, C15	8	Electrolytic 2mm	647-UHE1J150MDD

Trimmers				
500R	TR5, TR14	2	Single turn	652-3362P-1-501LF
20K	TR4, TR11	2	Single turn	652-3362P-1-203LF
20K	TR1, TR8	2	Multi turn	652-3296W-1-203LF
100K	TR3, TR10	2	Single turn	652-3362P-1-104LF
500K	TR7, TR13	2	Single turn	652-3362P-1-504LF
1M	TR2, TR6, TR9, TR12	4	Single turn	652-3362P-1-105LF

Potentiometers				
10K - 100K lin	POT1, POT3, POT5, POT7, POT8, POT10, POT12, POT14	8	16mm	Alpha 16mm pot (add 8x additional nuts)
10K - 100K log	POT6, POT13	2	16mm	Alpha 16mm pot (add 2x additional nuts)
10K - 100K lin	POT2, POT4, POT9, POT11	4	9mm	652-PTV09A-4030UB203

ICs				
2N3904	Q5, Q6, Q7, Q8, Q9, Q11, Q16, Q17, Q18, Q19, Q20, Q22	12		512-2N3904TA
2N3906	Q1, Q10, Q14, Q21	4		512-2N3906TA
2N4339 selected	Q12, Q23	2		SAMODULAR
78L10	IC4, IC8	2		595-UA78L10ACLP
CA3046	IC3, IC6	2	14pin DIP	SAMODULAR
2N3806 / LS352	Q2, Q4	2	TO-78	SAMODULAR
J201	Q3, Q13, Q15, Q24	4		106-J201
TL071	IC2, IC7	2		595-TL071IP
TL074	IC1, IC5	2		595-TL074CN

Misc				
Banana jacks	B1, B2, B3, B4, B5, B6	6	Banana jacks (black)	530-108-0903-1
Tinijax 41	J1, J2, J3, J4, J5, J6, J7, J8	8		502-41
Jumper	JP1, JP2	2	2-pin	
Power connector		1	10-pin	587-306-50-010
Davies knobs				SAMODULAR
Rogan knobs				SAMODULAR
Standoffs		5	15mm I/I	SAMODULAR
DIP sockets		2	8-pin	SAMODULAR
DIP sockets		4	14-pin	SAMODULAR