

BOM

1	BOM		
2	Comment	Quantity	Designator
3	SMT Capacitor 0603 50V 100pF COG J	14.0000	C1, C3, C5, C10, C18, C21,
4	SMT Capacitor 0805 25V 10uF X5R K	2.0000	C2, C6
5	SMT Capacitor 0603 50V 1nF X7R K	4.0000	C4, C30, C31, C88
6	V-chip Aluminum Electrolytic Capactors_100uF_M_25V_105°C 6.3*7.7mm P=2.0mm 2000H VZH	8.0000	C7, C11, C15, C19, C22, C26, C29, C34
7	SMT Capacitor 0603 50V 100nF X7R K	11.0000	C8, C12, C16, C17, C20, C23,
8	V-chip Aluminum Electrolytic Capacitors_M_25V_125°C 8*10mm P=3.1mm 4000H HBW	1.0000	C9
9	SMT Capacitor 0603 25V 1uF X5R K	9.0000	C13, C45, C46, C47, C48, C143,
10	V-chip Aluminum Electrolytic Capactors_220uF_M_35V_Φ 8*10 P=3.1mm 105°C 2000H VEJ	1.0000	C14
11	SMT Capacitor 0805 50V 4.7uF X7R K	5.0000	C24, C38, C40, C129, C130
12	SMT Capacitor 0603 50V 330pF X7R K	1.0000	C27
13	SMT Capacitor 1206 25V 22uF X5R K	8.0000	C35, C36, C37, C39, C125,
14	SMT_Capacitor_0805_50V_4.7nF_X7R_K	16.0000	C84, C85, C86, C87, C92, C93, C94, C95, C131, C132, C133,
15	SMT Socket 2.0 2×15P	1.0000	CON1
16	BAV21W 250V 200mA SOD-123	7.0000	D1, D2, D3, D11, D12, D16, D26
17	EFM105 300V 1A 35nS SMA	13.0000	D4, D6, D9, D13, D14, D15,
18	P20L45D 45V 2×10A T0252	3.0000	D5, D7, D8
19	SMCJ33CA 1500W 33V J SMC	2.0000	D22, D23
20	5401 0.5A 0.2W -150V 40-200 SOT23	10.0000	Q1, Q2, Q3, Q5, Q9, Q10, Q14,
21	5551 0.6A 0.3W 180V 50-250 SOT23	8.0000	Q4, Q6, Q7, Q8, Q11, Q15, Q18,
22	A03407 -4.1A -30V R042 P SOT23	1.0000	Q12
23	CRSS052N08N 120A 85V R0046 N TO-263	1.0000	Q13
24	LMBTA42LT1G 0.5A 0.25W 300V 50-250 SOT-23	2.0000	Q19, Q20
25	HYG012N03LR1C2 180A 30V R0009 N PPAK5*6 8L	14.0000	Q22, Q29, Q30, Q31, Q38, Q39,
26	NCEP40T14G_140A_40V_R0016_DFN5X6	24.0000	Q23, Q24, Q25, Q26, Q27, Q28, Q32, Q33, Q34, Q35, Q36, Q37,
27	SMT Resistor 0603 100R F 1/10W 50V	13.0000	R1, R6, R7, R149, R150, R151,
28	SMT Resistor 0603 47K F 1/10W 50V	3.0000	R2, R29, R42
29	SMT Resistor 0603 3K3 F 1/10W 50V	11.0000	R3, R4, R9, R12, R18, R25,
30	SMT Resistor 0603 100K F 1/10W 50V	9.0000	R5, R14, R15, R28, R35, R41,
31	SMT Resistor 0603 1K6 F 1/10W 50V	2.0000	R8, R10
32	SMT Resistor 0603 1K F 1/10W 50V	14.0000	R11, R13, R47, R61, R70, R77,
33	SMT_Resistor_0603_10K_F_1/10W_50V	27.0000	R16, R17, R19, R20, R21, R22, R23, R24, R45, R50, R64, R78,
34	SMT Resistor 0805 0R J 1/8W 150V	1.0000	R27
35	SMT Resistor 0603 2K F 1/10W 50V	4.0000	R32, R33, R51, R52
36	SMT Resistor 1206 47K F 1/4W 200V	7.0000	R34, R37, R39, R55, R62, R65,
37	SMT Resistor 0603 1M J 1/10W 50V	1.0000	R38
38	SMT Resistor 0805 10R F 1/8W 150V	1.0000	R40
39	SMT Resistor 2728 YLR28-4-50F-W R050 F 4W	1.0000	R48
40	SMT Resistor 1206 100R F 1/4W 200V	2.0000	R49, R67
41	SMT Resistor 0805 470K J 1/8W 150V	1.0000	R53
42	SMT Resistor 0805 150K F 1/8W 150V	1.0000	R54
43	SMT Resistor 0603 16K F 1/10W 50V	1.0000	R56
44	SMT Resistor 0805 100K F 1/8W 150V	4.0000	R57, R58, R98, R99
45	SMT Resistor 0603 499K F 1/10W 50V	1.0000	R63
46	SMT Resistor 0603 150K F 1/10W 50V	1.0000	R66
47	SMT Resistor 0603 20K F 1/10W 50V	1.0000	R68
48	SMT Resistor 0603 12K F 1/10W 50V	1.0000	R69
49	SMT Resistor 0603 4K7 F 1/10W 50V	1.0000	R71
50	SMT Resistor 1206 3R6 J 1/4W 200V	8.0000	R72, R74, R75, R76, R117,

	A	B	C
51	SMT_Resistor_0805_3R3_F_1/8W_150V	40.0000	R85, R86, R87, R88, R89, R90, R93, R94, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112,
52	SMT Resistor 1206 0R F 1/4W 200V	1.0000	R159
53	SMT Resistor 1575 R0005 F 7W	2.0000	Rs1, Rs3
54	SMT Resistor 1575 R0003 F 7W	1.0000	Rs2
55	SGM8276-2XS8G/TR 36V S08	3.0000	U1, U4, U7
56	LR432BTLT1G 1.24V SOT23	3.0000	U3, U5, U8
57	UCC28C45DR S08 TI	1.0000	U9
58	SLM2186 4A S0-8	4.0000	U10, U11, U12, U13
59	BZT52C16 1/3W 15V3-17V1 SOD-123	3.0000	ZD1, ZD2, ZD4
60	BZT52C12 1/3W 11V4-12V7 SOD-123	1.0000	ZD3
61	BZT52C3V3 1/3W 3V1-3V5 SOD-123	8.0000	ZD5, ZD6, ZD7, ZD8, ZD9, ZD10,
62	Aluminium electrolytic capacitor_1000uF_M_25V_105°C 12.5*20mm P=5.0mm 10000H RZW	21.0000	C55, C56, C57, C58, C59, C60, C64, C65, C66, C67, C80, C106,
63	HMPP205J100IKAF 2uF 100V 18*15.5*9mm P=15mm	5.0000	C61, C82, C89, C90, C91
64	BF22300300 30A/32V	10.0000	F1, F2, F3, F4, F5, F6, F7,
65	L_130090*2P_6.5uH_± 10% 2.2mm*3P*6T 42*32mm40*30*2.0mm	2.0000	L1, L2
66	Connector_PP75_IN_2P_75A600V_8AWG_Red_65mm_Black_85mm	1.0000	CON2
67	Connector_PP75_OUT_2P_75A600V_8AWG_Red_65mm_Black_85mm	1.0000	CON3
68	XH2.54 2P 180°	1.0000	P10
69	EE13_1mH_±10%_40:45:45_PC40_15*14*15.5mm_MD4830N06-T2	2.0000	T22, T31
70	Copper 45mm*20mm*0.8mm V1.0	1.0000	Tcu
71	EE22_10uH_± 20% 6:11:11:11:7 PC40 22*15.7*17.7mm DC1260-T1	1.0000	TT1
72	SMT_Capacitor_0603_50V_100nF_X7R_K	24.0000	C1, C6, C8, C10, C20, C22, C26, C27, C28, C35, C36, C37,
73	SMT Capacitor 0805 25V 10uF X5R K	6.0000	C2, C3, C29, C31, C32, C34
74	SMT Capacitor 0603 50V 22pF COG J	2.0000	C4, C5
75	SMT Capacitor 0603 50V 100pF COG J	14.0000	C7, C11, C19, C24, C38, C44,
76	SMT Capacitor 0603 50V 10nF X7R K	7.0000	C9, C17, C18, C23, C25, C52,
77	SMT Capacitor 0603 50V 1nF X7R K	3.0000	C14, C15, C16
78	SMT Capacitor 0805 10V 22uF X5R M	1.0000	C21
79	SMT Capacitor 0603 25V 1uF X5R K	2.0000	C30, C33
80	SMT Capacitor 0603 50V 33pF NPO J	1.0000	C58
81	SMT Socket 2.0 2×15P	1.0000	CON1
82	BAV99 85V 200mA SOT23	7.0000	D1, D2, D3, D6, D7, D10, D11
83	LBAW56LT1G 70V 200mA SOT-23	2.0000	D8, D9
84	BAV21W 250V 200mA SOD-123	1.0000	D12
85	FM-Z3535RGBA-SH	2.0000	DS1, DS2
86	SBR3A40SA 40V 3A SMA	2.0000	F1, F2
87	5551 0.6A 0.3W 180V 50-250 SOT23	2.0000	Q1, Q2
88	SMT Resistor 1206 10R F 1/4W 200V	2.0000	R1, R39
89	SMT Resistor 1210 20R J 1/3W 200V	2.0000	R3, R5
90	SMT_Resistor_0603_1K_F_1/10W_50V	22.0000	R4, R6, R12, R19, R20, R21, R24, R30, R33, R35, R44, R50,
91	SMT Resistor 0603 20K F 1/10W 50V	1.0000	R8
92	SMT Resistor 0603 4K3 F 1/10W 50V	2.0000	R9, R10
93	SMT Resistor 0603 3K3 F 1/10W 50V	8.0000	R11, R18, R29, R31, R34, R37,
94	SMT Resistor 1206 100K J 1/4W 200V	4.0000	R13, R23, R25, R26
95	SMT_Resistor_0603_10K_F_1/10W_50V	33.0000	R14, R22, R27, R28, R38, R42, R46, R48, R52, R54, R56, R57, R58, R59, R60, R61, R62, R64,
96	SMT Resistor 1206 10K F 1/4W 200V	1.0000	R15
97	SMT Resistor 0603 10R F 1/10W 50V	1.0000	R16
98	SMT Resistor 0603 16K F 1/10W 50V	2.0000	R17, R32

	A	B	C
99	SMT Resistor 0603 30K F 1/10W 50V	1.0000	R36
100	SMT_Resistor_0603_100R_F_1/10W_50V	26.0000	R40, R41, R43, R49, R67, R69, R71, R72, R73, R74, R75, R76,
101	SMT Resistor 0805 13K7 F 1/8W 150V	1.0000	R45
102	SMT Resistor 0603 100K F 1/10W 50V	6.0000	R47, R51, R63, R65, R77, R79
103	SMT Resistor 0603 5K1 F 1/10W 50V	2.0000	R53, R55
104	SMT Resistor 0805 220R J 1/8W 150V	2.0000	R104, R113
105	SMT Resistor 1206 10R J 1/4W 200V	1.0000	R114
106	SMT Resistor 0603 4K7 F 1/10W 50V	1.0000	R116
107	PJSOT08C 500W 8V J SOT-23	1.0000	TVS1
108	SMT LDO BL8075CC3TR502 5.0V 2% SOT89-3	1.0000	U1
109	MCP2518FDT-E/SL S0IC14	1.0000	U2
110	NSi8121N1 S08	1.0000	U3
111	NCA1051N-DSPP SOP-8	1.0000	U4
112	SGM8542XS/TR 1.1MHz S08	2.0000	U5, U13
113	DSPIC33EP64GS805T-E/PT TQFP48	1.0000	U6
114	SMT LDO AZ1117EH-3.3TRG1 3.3V 1% SOT223	1.0000	U7
115	MC74HC1G04DFT1G SOT-353	1.0000	U8
116	LM2903DR S08	3.0000	U9, U10, U12
117	SMT SN74LVC244APWR TSSOP20-PW	1.0000	U11
118	STM32G070RBT6 LQFP64	1.0000	U14
119	SJK 20.000MHz HC-49S 11.5*5*13.2*4.88mm	1.0000	Y1
120	TMB12A DC5V 30mA Φ 12*9.5mm	1.0000	B1
121	XH2.54 5P 180°	2.0000	CON2, CON3
122	KF2EDGR-Y 3.5mm 2P 300V 8A	3.0000	CON5, CON6, CON8
123	SMT Resistor 1206 10R F 1/4W 200V	1.0000	R39
124	SMT Capacitor 0805 25V 10uF X5R K	2.0000	C29, C31
125	SMT Capacitor 0603 50V 33pF NPO J	1.0000	C1
126	SMT Capacitor 0603 50V 1nF X7R K	2.0000	C2, C4
127	SMT Capacitor 0805 10V 10uF X5R K	2.0000	C3, C5
128	SMT L 1206 10uH \pm 10% 0.8 Ω /25mA	1.0000	L1
129	SMT Resistor 0805 220R J 1/8W 150V	2.0000	R1, R113
130	SMT LDO BL8075CC3TR331 3.3V 2% SOT89-3	1.0000	U1
131	HY-40R204P	1.0000	P1
132	Pin 2.54mm 1*4P 180° 8.5mm V1.0	1.0000	P2