



Item Number	Quantity	Value	Description	Manufacturer	MOQ	REQ	FES Part Number	Part Reference	PCB Footprint	Distributor Part Number
1	1	220uF	220uF 10V TPSE227K10R0100	AVX		20	570-382	C1	SMCT734312	
2	11	0.1uF	X7R 0.1uF 25V 0805		10	240	644-249	C2 C21 C22 C33 C38 C88 C100 C200 C101 C210 C211	SMC0805	
3	3	1nF	X7R 1nF 50V 0805		10	60	301-9871	C3 C98 C208	SMC0805	
4	6	100uF TANT	TANT 100UF 16V			75	570-412	C4 C10 C13 C14 C16 C18	SMCT734312	
5	4	0.1uF	X7R 0.1uF 25V 0805			10	644-249	C5 C6 C97 C207	SMC0805	
6	1	10nF	X7R 10nF 25V 0805			10	344-9105	C7	SMC0805	PART FOR 4 REELS OF 500
7	9	100pF	COG 100pF 50V 0805			120	755-564	C8 C232 C233 C234 C235 C236 C237 C238 C239	SMC0805	
8	2	1nF	X7R 1nF 50V 0805			10	301-9871	C9 C203	SMC0805	
9	59	10nF	X7R 10nF 25V 0805			10	344-9105	C11 C15 C17 C19 C92 C95 C104 C204 C105 C205 C106 C107 C108 C109 C110 C111 C112 C214 C115 C116 C216 C117 C217 C118 C218 C119 C120 C220 C121 C221 C122 C222 C123 C223 C124 C224 C125 C225 C126 C226 C128 C228 C129 C130 C131 C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142 C143 C144 C145	SMC0805	
10	1	3.3nF	SPEC IS FOR X7R. CAN THIS BE Y5V?			10	498-622	C12	SMC0805	CAP X7R 3.3nF 0805 25V
11	1	100uF TANT	TANT 100UF 16V			0	570-412	C20	SMCT734312	
12	6	33nF	X7R 33nF 50V 0805		10	80	718-671	C23 C31 C35 C39 C40 C41	SMC0805	22pf = fec 753-658
13	2	100pF	COG 100pF 50V 0805			0	755-564	C24 C32	SMC0805	
14	2	1uF	TANT 1UF 35V			20	967-270	C25 C27	SMCT352812	
15	108	10nF	X7R 10nF 25V 0805			10	344-9105	C26 C36 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C89 C90 C96 C201 C202 C103 C206 C213 C219 C127 C149 C150 C151 C152 C154 C155 C156 C157 C158 C159 C160 C161 C162 C163 C164 C165 C166 C167 C168 C169 C170 C171 C172 C173 C174 C175 C176 C177 C178 C179 C180 C181 C182 C183 C184 C185 C186 C187 C188 C189 C190 C191 C192 C193 C194 C195 C196 C197 C198 C199	SMC0805	
16	1	47uF	TANT 47UF 10V			20	570-369	C28	SMCT734312	
17	1	47uF	TANT 47UF 10V			0	570-369	C29	SMCT734312	
18	1	22uF	CAP TANT 22UF 16V			10	570-394	C30	SMCT734312	
19	1	4.7uF	TANT 4.7uF 35V TPSC475K35R0600	AVX		10	570-485	C34	SMCT352812	
20	1	220uF	TANT 220UF 10V			0	570-382	C37	RVK	
21	1	33nF	X7R 33nF 50V 0805			10	718-671	C91	SMC0805	
22	2	22pF	COG 22pF 50V 0805			10	753-658	C93 C94	SMC0805	
23	2	1uF	X7R 1UF 10V 1206			20	335-2079	C102 C212	SMC1206	
24	7	0.1uF	CAP X7R 100NF 10V 0805			0	644-249	C113 C114 C215 C227 C229 C230 C231	SMC0805	
25	4	1uF	X7R 1UF 10V 1206			0	335-2079	C146 C147 C148 C153	SMC1206	
26	2	MBRS340	MBRS340T3	ON Semi		25	878-390	D1 D10	SMC	
27	1	MBRS360	MBRS360T3	ON Semi		10	708-161	D2	SMC	
28	1	BAW56	BAW56	FCH		10	741-863	D4	smsot23231	
29	1	ES2D	ES2D? RS BOOK	GI	5	10	RS 270-978	D5	SMC	
30	10	GREEN SMD	SMT - TOPLED - Green	Infineon		105	515-620	DS1 DS2 DS3 DS4 DS5 DS6 DS7 DS8 DS9 DS10	LED	
31	2	RED SMD	SMT - TOPLED - Red	Infineon		25	515-607	DS11 DS12	LED	
32	1	FUSEHOLDER	Fuse Holder, (glass) - Multicomp, 2 Pin	Multicomp	10	10	146-123	F1	FUSE1	
33	4	115OHM	MLS1206-4S7-102 Ferroxcube		5	40	305-6624	FB1 FB2 FB3 FB4	SML1206	
34	5	MOUNTING HOLE	NOT A COMPONENT					H1 H2 H3 H4 H5		
35	1	Ignition	2 Pin HDR Str 0.1"(Cut from 36 way strip)		36 Pin	10	VG0882319	J2	JP2	53 OFF VG0882319 REQUIRED
36	1	HEADER2	2 Pin HDR Str 0.1"(Cut from 36 way strip)		36 Pin	10	VG0882319	J3	JP2	53 OFF VG0882319 REQUIRED
37	16	HEADER3_3	3 Pin HDR Str 0.1"(Cut from 36 way strip)		36 Pin	160	VG0882319	J5 J18 J19 J20 J21 J22 J23 J24 J27 J45 J46 J47 J48 J49	JP3	53 OFF VG0882319 REQUIRED
38	0	CUT_TRACE - DO NOT FIT	2 Pin HDR Str 0.1"(Cut from 36 way strip)			0	VG0882319	J7 J8 J9 J10 J13 J14 J37 J38 J39 J40	JP2CUT	53 OFF VG0882319 REQUIRED
39	5	HEADER_0	2 Pin HDR Str 0.1"(Cut from 36 way strip)		36 Pin	50	VG0882319	J11 J12 J17 J41 J42	JP2	53 OFF VG0882319 REQUIRED
40	2	HEADER 4X3	TWO 3X2 WAY HDR STR 0.1"(CUT FROM 2X36)			20	JW62S	J25 J59	JP4X3	133 OFF JW62S REQUIRED
41	1	HEADER2_0	2 Pin HDR Str 0.1"(Cut from 36 way strip)			10	VG0882319	J26		
42	4	HEADER1	1 Pin HDR Str 0.1"(Cut from 36 way strip)			40	VG0882319	J28 J52 J53 J55	HEADER1	53 OFF VG0882319 REQUIRED
43	6	HEADER3_0	3 Pin HDR Str 0.1"(Cut from 36 way strip)		36 Pin	60	VG0882319	J29 J30 J56 J57 J58 J60	JP3	53 OFF VG0882319 REQUIRED
44	3	HEADER 2X2	4 Way Pin HDR Str. 0.1"(Cut from 2x36 way strip)		72 Pin	30	JW62S	J31 J32 J51	blkcon100vhtm2oew2004	133 OFF JW62S REQUIRED
45	6	HEADER2_0	2 Pin HDR Str 0.1"(Cut from 36 way strip)		36 Pin	60	VG0882319	JP1 JP2 JP3 JP4 JP5 JP6		
46	1	22uH / SMD	22UH AXIAL INDUCTOR			10	608-671	L1	POWERIND	
47	1	47uH	INDUCTOR AXIAL 47UH			10	482-572	L2	POWERIND	
48	1	100uH		WDT x/s		10	Free Issue	L3	SLF	
49	1	Switchcraft RAPC712	SWITCH			10	RS286-8779	P1	PJACK	
50	1	HEADER7	7 PIN HDR STR 0.1" (CUT FROM 36WAY STRIP)			10	VG0882319	P2	BLKCON100VHTM1SQW1007	53 OFF VG0882319 REQUIRED
51	2	HEADER5	5 Way Pin HDR Str. 0.1"(Cut from 36 way strip)		36 Pin	20	VG0882319	P3 P5	blkcon100vhtm1sqw1005	53 OFF VG0882319 REQUIRED
52	6	HEADER4	4 Pin HDR Str. 0.1"(Cut from 36 way strip)		36 Pin	60	VG0882319	P4 P6 P7 P8 P9 P30	blkcon100vhtm1sqw1004	53 OFF VG0882319 REQUIRED



53	3	HEADER 5x2	10 Way Pin HDR Str. 0.1"(Cut from 2x36 way strip)	72 Pin	30	JW62S	P10 P31 P41	blkcon100vhtm2oew20010	133 OFF JW62S REQUIRED
54	2	HEADER 25x2	amp-147377-5 AMP		20	Free Issue	P11 P32	amp-147377-5	
55	1	HEADER 3	3 Pin HDR Str 0.1"(Cut from 36 way strip)	36 Pin	10	VG0882319	P12	JP3	53 OFF VG0882319 REQUIRED
56	1	HEADER 3	3 Pin HDR Str 0.1"(Cut from 36 way strip)	36 Pin	10	VG0882319	P13	JP3	53 OFF VG0882319 REQUIRED
57	1	HEADER 2	2 Pin HDR Str 0.1"(Cut from 36 way strip)	36 Pin	10	VG0882319	P14	JP2	53 OFF VG0882319 REQUIRED
58	1	HEADER 3	3 Pin HDR Str 0.1"(Cut from 36 way strip)	36 Pin	10	VG0882319	P15	JP3	53 OFF VG0882319 REQUIRED
59	2	RS232	9 Way ITT"D" SOCKET PCB 90 Deg.		20	105-616	P16 P17	dsuhrs318tm9	
60	4	HEADER 18X2	36 Way Pin HDR Str. 0.1"(Cut from 2x36 way strip)	72 Pin	40	JW62S	P18 P22 P34 P38	blkcon100vhtm2oew20036	133 OFF JW62S REQUIRED
61	2	HEADER 19x2	38 Way Pin HDR Str. 0.1"(Cut from 2x36 way strip)	72 Pin	20	JW62S	P19 P35	blkcon100vhtm2oew20038	133 OFF JW62S REQUIRED
62	2	HEADER 5x2	10 Way Pin HDR Str. 0.1"(Cut from 2x36 way strip)	72 Pin	20	JW62S	P20 P36		
63	2	HEADER 6x2	12 Way Pin HDR Str. 0.1"(Cut from 2x36 way strip)	72 Pin	20	JW62S	P21 P37	blkcon100vhtm2oew20012	133 OFF JW62S REQUIRED
64	2	HEADER 20x2	40 WAY PIN HDR STR 0.1" (CUT FROM 2X36 WAY)	72 Pin	20	JW62S	P23 P39	blkcon100vhtm2oew20040	133 OFF JW62S REQUIRED
65	18	HEADER1	1 Pin HDR Str 0.1"(Cut from 36 way strip)		180	VG0882319	P24 P40 TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16		
66	1	HEADER 13X2	26 Way Pin HDR Str. 0.1"(Cut from 2x36 way strip)	72 Pin	10	JW62S	P25	blkcon100vhtm2oew20026	133 OFF JW62S REQUIRED
67	2	HEADER 17X2	34 Way Pin HDR Str. 0.1"(Cut from 2x36 way strip)	72 Pin	20	JW62S	P26 P42	blkcon100vhtm2oew20034	133 OFF JW62S REQUIRED
68	3	HEADER (19 X 2) ??	AMP-767054-1		30	Free Issue	P27 P28 P29	TEKMICTOR38	INVALID CODE
69	1	HEADER 3	3 Pin HDR Str 0.1"(Cut from 36 way strip)	36 Pin	10	VG0882319	P33	JP3	53 OFF VG0882319 REQUIRED
70	1	MTD20N03HDL	MTD20N03HDL		10	708-409	Q1	to252aadpak	
71	5	MJD44H11	TRANSISTOR		55	931-378	Q2 Q3 Q4 Q5 Q6	to252aadpak	
72	2	3K3	THICK FILM 0.1W 0805 1% 3K3		50	911-914	R1 R6	SMR0805	
73	2	1K	THICK FILM 0.1W 0805 5% 1K		0	911-859	R2 R7	SMR0805	
74	2	470	THICK FILM 0.1W 0805 5% 470R		50	613-058	R3 R8	SMR0805	
75	4	220	THICK FILM 0.1W 0805 1% 220R	50	50	911-770	R4 R5 R9 R10	SMR0805	
76	1	18R	THICK FILM 0.1W 0805 1% 18R	50	50	911-641	R11	SMR0805	
77	3	100k	THICK FILM 0.1W 0805 1% 100K	50	50	912-098	R12 R27 R28	SMR0805	
78	1	22K	THICK FILM 0.1W 0805 1% 22K	50	50	912-013	R13	SMR0805	
79	1	430R	THICK FILM 0.1W 0805 5% 430R		50	771-296	R14	SMR0805	
80	1	10k	THICK FILM 0.1W 0805 1% 10K	50	350	911-975	R15	SMR0805	
81	2	20K	THICK FILM 0.1W 0805 1% 20K	50	50	321-8211	R16 R17	SMR0805	
82	3	10R	THICK FILM 0.1W 0805 1% 10R	50	50	911-616	R18 R162 R163	SMR0805	
83	4	0.1R	THICK FILM 0.1W 0805 5% 0.1R		40	156-127	R19 R20 R21 R22	SMR0805	
84	1	60	THICK FILM 0.1W 0805 1% 60R	50	50	321-7917	R23	SMR0805	fec ref for 62r - ok
85	1	110R	THICK FILM 0.1W 0805 1% 110R	50	50	321-7942	R24	SMR0805	can offer 59r
86	1	100R	THICK FILM 0.1W 0805 1% 100R	50	50	911-732	R25	SMR0805	
87	1	10K	THICK FILM 0.1W 0805 1% 10K	50	0	911-975	R26	SMR0805	
88	4	1k	THICK FILM 0.1W 0805 5% 1K		0	911-859	R29 R31 R89 R126	SMR0805	
89	3	1K47	RN Series Nickel Barrier 0805 0.1% 1K47	5	30	554-169	R30 RP1 RP2	SMR0805	
90	1	NOPOP	THICK FILM 0.1W 0805 5% 0R to be fitted		50	772-239	R88	SMR0805	
91	2	12K1	THICK FILM 0.1W 0805 5% 12K1		20	555-046	R90 R127	SMR0805	
92	4	4R7	THICK FILM 0.1W 0805 1% 4R7		100	321-7802	R91 R93 R128 R130	SMR0805	
93	2	4R7	THICK FILM 0.1W 0805 1% 4R7		0	321-7802	R92 R129	SMR0805	
94	2	680	THICK FILM 0.1W 0805 1% 680R	50	50	911-835	R94 R131	SMR0805	
95	27	10K	THICK FILM 0.1W 0805 5% 10K		0	911-975	R95 R96 R97 R98 R103 R104 R105 R114 R115 R116 R117 R118 R119 R120 R121 R122 R125 R132 R133 R134 R140 R141 R145 R146 R147 R148 R161	SMR0805	
96	8	6K2	Thick Film 0.1W 0805 1% 6K2	50	100	321-8156	R99 R100 R101 R102 R135 R136 R137 R138	SMR0805	
97	6	8 X 10k	BOURNS 4609X -101 SIL Resnet	5	60	148-984	RN1 RN2 RN3 RN4 RN5 RN7	siptml9009	
98	2	10K-C	RNA310 Series Thick Film Resnet 1206	5	20	335-2286	RN6 RN8	RNA310	
99	5	RPACK-8C-1206	PHILLIPS 1206 PACKAGE 47R		50	306-9801	RN9 RN10 RN11 RN12 RN13	cay17_bourns	
100	3	2K61	RN Series Nickel Barrier 0805 0.1% 2K61	5	30	554-406	RP3 RP4 RP5	SMR0805	
101	1	2K15	RN Series Nickel Barrier 0805 0.1% 2K15	5	10	554-327	RP6	SMR0805	
102	4	0	THICK FILM 0.1W 0805 1% 0R	50	150	772-239	R106 R107 R108 R139	SMR0805	
103	6	0	THICK FILM 0.1W 0805 1% 0R	50	0	772-239	R109 R110 R111 R142 R143 R144	SMR0805	
104	3	2K2	THICK FILM 0.1W 0805 1% 2K2	50	50	911-896	R112 R113 R123	SMR0805	
105	9	47R	THICK FILM 0.1W 0805 1% 47R	50	100	911-690	R124 R153 R154 R155 R156 R157 R158 R159 R160	SMR0805	
106	4	1K	THICK FILM 0.1W 0805 1% 1K	50	150	911-859	R149 R150 R151 R152	SMR0805	
107	14	47R	THICK FILM 0.1W 0805 1% 47R	50	100	911-690	RP9 RP10 RP11 RP12 RP13 RP14 RP15 RP16 RP17 RP18 RP19 RP20 RP21 RP22		
108	1	SW SPST/SLIDE			10	RS 339-673	SW1	no_datasheet	Free Issue
109	1	SW_6PDT			10	FAR 146-046	SW2	no_datasheet	Free Issue
110	6	DIL switch	8 Way DIL SMD Switch IK Series IKN0803000		APEN	152-265	SW3 SW7 SW8 SW9 SW10 SW11	DILS8	
111	6	SW PUSHBUTTON-SPST	8 Way DIL SMD Switch		APEN	535-930	SW4 SW5 SW6 SW12 SW13 SW14	KS11	
112	1	POWEROAK			10	Free Issue	U1	sog65m45wg1540l1600	Free Issue
113	1	Custom Regulator			10	Free Issue	U3	HIQUAD	Free Issue
114	1	CSTCC			10	Free Issue	U4	CSTCC	Free Issue
115	2	ST_74LVC125-BLK			20	Free Issue	U6 U21	sog65m14wg820l635	Free Issue
116	2	ST_74V1G32	SINGLE_OR		20	Free Issue	U7 U22	sol23-5L_ST	Free Issue

