

New_Part_No	Quantity	Part Reference	Value	Manufacturer	Manufacturer_Part_Number	Description
		C1 C6 C7 C12 C19 C20 C21 C22 C28 C29 C30 C31 C38 C39 C40 C41 C47 C48 C49 C50 C52 C53 C54 C55 C61 C62 C63 C64 C71 C72 C73 C74 C80 C81 C82 C83 C138 C140 C142 C144 C147 C149 C151 C156 C157 C211 C232 C254 C281 C283 C284 C286 C288 C290 C291 C294 C295 C296 C297 C298 C299 C300 C301				
PCAP01806F	80	C302 C303 C18 C39 C39A C39B C40 C401 C402 C403 C418 C419 C420 C425 C431 C432	100n_10V_XSR	SAMSUNG	CLO3A104KPN3NNC	CAP -0201 -100n_10V_XSR -10%
PCAP01518R	8	C2 C5 C10 C16 C20 C119 C137 C424	2u2_6V3_XSR	YAGEO	CC0603KR05R8B225	CAP -0603 -2u2_6V3_XSR -10%
PCAP01548U	25	C1 C4 C28 C28 C27 C34 C35 C36 C37 C41 C44 C45 C46 C57 C58 C59 C60 C66 C67 C68 C69 C70 C76 C77 C78 C79	10u_10V_XSR	MURATA	GCM03M371A103KAA10	CAP -0201 -10u_10V_XSR -10% -Auto
		C4 C8 C9 C10 C17 C33 C86 C87 C89 C91 C93 C94 C95 C98 C99 C100 C101 C104 C106 C107 C109 C110 C112 C118 C310 C161 C162 C169 C170 C71 C171				
PCAP01632Z	86	C16 C179 C184 C185 C186 C187 C202 C203 C204 C205 C207 C208 C215 C227 C238 C241 C244 C247 C249 C250 C251 C252 C260 C261 C262 C263 C264 C265	100n_16V_X7R	SAMSUNG	C105S104K05N3NNC	CAP -0402 -100n_16V_X7R -10%
PCAP01601R	2	C13 C14	100n_16V_XSR	TDK	C105SR5R1D04K7	CAP -0402 -100n_16V_XSR -10%
PCAP01634F	2	C13 C14 C14 C14 C194 C196 C209 C235 C239 C245 C249 C251 C253 C255	10u_10V_XSR	SAMSUNG	C111A100K05N3NNC	CAP -0805 -10u_10V_XSR -10%
PCAP04772Z	7	C16 C18 C120 C124 C328 C335 C357	47u_16V_XSR	SAMSUNG	C132A476K00N3NNE	CAP -1210 -47u_16V_XSR -10%
PCAP01510U	41	C23 C24 C42 C51 C56 G05 C75 C84 C88 C90 C92 C97 C100 C108 C115 C122 C123 C128 C129 C138 C173 C175 C175 C192 C195 C197 C206 C121 C216 C218	10u_6V3_XSR	WALSIN TECHNOLOGY	0402X105K6R3CT	CAP -0402 -1u_6V3_XSR -10%
PCAP01507F	18	C85 C111 C13 C16 C16 C167 C168 C177 C180 C181 C182 C183 C188 C199 C200 C201 C23 C214	10n_25V_XSR	WALSIN TECHNOLOGY	CE 0402B103Z50CT	CAP -0402 -10n_25V_XSR -10%
PCAP01460R	6	C11 C28 C28 C38 C408 C409 C411 C415 C441	10u_10V_XSR	SAMSUNG	C110A100K05N3NNC	CAP -0805 -10u_10V_XSR -10%
PCAP01514F	6	C125 C153 C188 C189 C30 C191	4u7_6V3_XSR	TAIYUUDEN	JKM107B475KA-T	CAP -0603 -4u7_6V3_XSR -10%
PCAP01481F	1	C126	220p_50V_X7R	MURATA	GCM155R71H211KA370	CAP -0402 -220p_50V_X7R -10% -Auto
PCAP01485F	1	C127	10p_50V_C0G	MURATA	GM1555CH1030A010	CAP -0402 -10p_50V_C0G -5%
PCAP01294F	1	C125 C136	10p_50V_C0G	SAMSUNG	C105C100B5N3NNC	CAP -0802 -10p_50V_C0G -5%
PCAP01519F	15	C139 C141 C143 C146 C148 C150 C152 C226 C237 C280 C282 C305 C307 C383 C405	1n_25V_X7R	MURATA	GRM033R71E102KA010	CAP -0201 -1n_25V_X7R -10%
PCAP01561F	4	C145 C159 C427 C428	120p_50V_C0G	SAMSUNG	C105C120B5N3NNC	CAP -0402 -120p_50V_C0G -5%
PCAP01459F	1	C154	100p_25V_C0G	MURATA	GCM0335C1010D03D0	CAP -0201 -100p_25V_C0G -5% -Auto
PCAP01450F	2	C155 C17 C22A C326	1n_50V_X7R	SAMSUNG	C105B102A5N3NNC	CAP -0802 -1n_50V_X7R -10%
PCAP04774F	2	C160 C231	47u_6V3_XSR	SAMSUNG	C132A476M0JN3NNE	CAP -1210 -47u_6V3_XSR -20%
PCAP01053F	1	C159 C194	100u_6V3_XSR	TDK	C32X5SR0107MT	CAP -1210 -100u_6V3_XSR -20%
PCAP01505F	1	C1210	68k_50V_X7R	SAMSUNG	C105B68K50N3NNC	CAP -0402 -68k_50V_X7R -10%
PCAP01763F	5	C210 C229 C236 C256 C259	47u_6V3_XSR	SAMSUNG	C113A476M0JN3NNE	CAP -0805 -47u_6V3_XSR -20%
PCAP02035F	3	C28 C234 C240	ECAS060D337M007M00	MURATA	ECAS060D337M007M00	CAPA SP ALU - 330u - 20%
PCAP04615F	1	C230	47n_25V_XSR	SAMSUNG	C05A474K5N3NNC	CAP -0402 -47n_25V_XSR -10%
PCAP01875F	1	C248	220uF_4V_10uU	MURATA	ECAS060227M010000	CAP SP ALU - 220uF - 4V
PCAP04623F	10	C277 C304 C306 C319 C373 C376 C378 C381 C387 C389	1u_10V_XSR	SAMSUNG	C105A105K05N3NNC	CAP -0402 -1u_10V_XSR -10%
PCAP04637F	2	C293 C393	4u7_10V_XSR	SAMSUNG	C105A475M5PN3NRC	CAP -0402 -4u7_10V_XSR -20%
PCAP01976F	1	C308	330p_25V_X7R	MURATA	GRM030G1E180J7	CAP -0201 -330p_25V_X7R -10%
PCAP01979F	8	C111 C374 C375 C377 C380 C398 C401 C404 C417	100p_25V_C0G	TDK	C06030G1E180J7	CAP -0201 -100p_25V_C0G -5%
PCAP01916F	3	C113 C395 C412	9p_50V_C0G	MURATA	GRM0335C1H9RD0A010	CAP -0201 -9p_50V_C0G -0.5pF
PCAP01916F	2	C115 C316	18p_25V_C0G	TDK	C06030G1E180J7	CAP -0201 -18p_25V_C0G -5%
PCAP04789F	1	C122 C23 C324 C325	2u2_10V_X7R	SAMSUNG	C1108225F9N3NNC	CAP -0603 -2u2_10V_X7R -10%
PCAP01456F	1	C129	10n_1uV_XSR	TDK	C3216K5H10E18T	CAP -0802 -10n_1uV_XSR -10%
PCAP03848F	1	C331	2u2_25V_X7R	TDK	C1005X7R1E222K7	CAP -0402 -2u2_25V_X7R -10%
PCAP00013F	2	C333 C334	22u_6V3_XSR	TDK	C2012XSR0226MT	CAP -0805 -22u_6V3_XSR -20%
PCAP00019F	1	C335	100n_10V_XSR	TDK	C100XSR0A104K7	CAP -0402 -100n_10V_XSR -10%
PCAP01440F	1	C337	100n_6V3_XSR	MURATA	GM155SR01010KAA010	CAP -0802 -100n_6V3_XSR -10%
PCAP00998F	2	C339 C343	10n_16V_X7R	YAGEO	CC0402KX07R78B103	CAP -0402 -10n_16V_X7R -10%
PCAP04502Z	1	C341	2u2_50V_X7R	SAMSUNG	C108222K85N3NNC	CAP -0402 -2u2_50V_X7R -10%
PCAP01010F	12	C344 C345 C346 C347 C348 C349 C365 C367 C368 C369 C370	47u_10V_XSR	SAMSUNG	C105B477K05N3NNC	CAP -0805 -47u_10V_XSR -10%
PCAP01803F	2	C352 C362	1u_10V_XSR	SAMSUNG	C110A105K05N3NNC	CAP -0603 -1u_10V_XSR -10%
PCAP03525F	4	C354 C356 C371 C372	1u_25V_X7R	MURATA	GCM188R71E105KA040	CAP -0603 -1u_25V_X7R -10%
PCAP01666F	2	C384 C406	10n_25V_C0G	TDK	C06030G1E180J7	CAP -0201 -10n_25V_C0G -0.5pF
PCAP01833F	2	C385 C407	220p_10V_X7R	MURATA	GRM0307C2121KA010	CAP -0201 -220p_10V_X7R -10%
PCAP03719F	1	C422	100n_10V_X7R	TDK	C1005X7R1A104K7	CAP -0402 -100n_10V_X7R -10%
PCAP01818F	2	C435 C437	10u_6V3_XSR	SAMSUNG	C110A106M0QBN3NNC	CAP -0603 -10u_6V3_XSR -20%
PCAP01028F	1	C436	10u_6V3_XSR	MURATA	GRM155SR0106D015M	CAP -0603 -10u_6V3_XSR -20%
PCAP01031F	1	D1 D1 D3 D4	BA540W_04_7F	DIODES INC	BA540W-04-7F	DIO Multiplex - SOT23 - 28V - 200mA
CPO000158A	1	D1	BAR63_03W	INFINEON	BAR 63-03W E6327	DIO PIN - SOD323 - 50V - 100mA
CPO000109A	3	D5 D8 D9	BA540W_05	DIODES INC	BA540W-05-7F	DIO Multiplex - SOT23 - 28V - 200mA
CPO000202A	1	D6	Red_Green_LED	EVERLIGHT	12-227P66G-A33/2C	LED - 3x3.2x1.4 - M-Multiplex - Red_Green
PCAP01510F	1	D7	19-21250NRC/S259TR8	EVERLIGHT	19-21250NRC/S259TR8	LED - 2000 - Top Mount - Red
CFP000101A	3	F81 F82 F83	1K	MURATA	BLM15HG1025K1	FER -0402 -1K -250mA -25%
CFP000550A	1	F84	600R	WURTH ELEKTRONIK	742792040	FER -0805 -600R -2A -25%
PCFN00021L	2	J2 J3	DF03PC-24D5-0.4V	HIRSE	DF03PC-24D5-0.4V(81)	B_8 04mm - Dual Row - 24
PCFN00189A	1	L4	305-051121	ACT	305-051121	USB - Micro - B - Receptacle
PCFN00108A	2	J6 J7	20279-001E-01	I-PEX	20279-001E-01	MHF Micro Coaxial
PCFN00025A	2	J8 J11	ATOM010070120001_White	ATOM TECHNOLOGY	ATOM010070120001	IC_CONNECTOR_ATOM010070120001
PCFN00121F	2	J9 J10	ATOMWF20003-01202_White	ATOM TECHNOLOGY	WF20003-01202	CONNECTOR_ATOMWF20003-01202_Black
PCFN00127A	1	J12	SM08B-SHLS-TF	W.T.	SM08B-SHLS-TF(LF)5N	W_T - Side entry Male - 8
PCFN00118Z	1	J13	50269-00201-001	ACES ELECTRONICS	50269-00201-001	W_B 1.2mm - Top entry Male - 2
CPN000220A	1	L11	1u5	WFD	W5N5040C-1R5R-R	IND - 5x5x4 - 1u5 - 4A3 - 30%
CPN001250A	2	L12 L4	W5N3015C-1R2N-R	WFD	W5N3015C-1R2N-R	IND - 5x5x4 - 1u2 - 2A3 - 30%
CPN000219A	1	L3	1u5	MURATA	LQM58PB1R5N20L	IND - 5x5x2 - 1u5 - 3A - 20%
CPN000226A	1	L5	4u7	TDK	RF7030T-4R7M3R4	IND - 7x7x3 - 4u7 - 3A5 - 20%
CPN000214A	1	L6	2u2	WFD	W5N3015C-2R2N-R	IND - 3x3 - 2u2 - 1A6 - W5N3015C-2R2N
CPN000106A	5	Q1 Q2 Q4 Q5 Q7	NTL03119CTB6	QVI SEMICONDUCTOR	NTL03119CTB6	TRT MOS Dual - W0RNG - 20V - 4.6A
CPTR00252A	5	Q3 Q4 Q5 Q41 Q45	BC817_25W_7_F	DIODES INC	BC817-25W-7	TRT NPN - SOT23 - 45V - 800mA
CPTR00030A	12	Q8 Q16 Q19 Q20 Q24 Q25 Q28 Q29 Q33 Q33 Q36 Q37	DMC30215D	DIODES INC	DMC30215D	TRT MOS Dual - SOT8 - 30V - 7A1
CPTR001543A	1	Q9	2N7002	QVI SEMICONDUCTOR	2N7002J1TG	TRT N_Channel - SOT23 - 40V - 115mA
CPTR001044A	1	Q10 Q11 Q14 Q23	BC847BW	PANIT	BC847BW	TRT NPN - SOT23 - 45V - 800mA
CPTR00609A	3	Q13 Q40 Q46	TSM2323	TAIWAN SEMICONDUCTOR	TSM2323CF	TRT P_Channel - SOT23 - 20V - 4A7
CPTR001590A	12	Q17 Q18 Q21 Q22 Q26 Q27 Q30 Q31 Q34 Q35 Q38 Q39	TSM2302CX	TAIWAN SEMICONDUCTOR	TSM2302CX RF	TRT N_Channel - SOT23 - 20V - 2A8
CPTR001039A	1	Q42	BS5225	INFINEON	BS5225 H6327	TRT N_Channel - SOT89 - 90mA
CPTR01011A	2	Q43 Q44	DMN2400DFD	DIODES INC	DMN2400DF2	TRT N_Channel - DMN2400 - 20V - 900mA
CPRES00500A	30	R1 R21 R22 R24 R31 R36 R37 R38 R57 R68 R97 R101 R103 R154 R201 R292 R293 R297 R298 R299 R300 R304 R305 R308 R311 R312 R313 R314 R315 R338R	60kOhm_1%	YAGEO	RC0402JR-07010K	RES -0201 -60k -1%
CPRES00098A	54	R2 R4 R10 R25 R32 R42 R43 R45 R51 R52 R54 R56 R64 R66 R78 R101 R117 R119 R127 R129 R159 R160 R161 R177 R182 R203 R211 R21210K	10K	YAGEO	RC0402JR-07010K	RES -0402 -10K -5%
CPRES000012A	39	R3 R5 R9 R11 R12 R13 R23 R27 R35 R59 R60 R62 R71 R80 R110 R112 R113 R105 R167 R169 R188 R196 R197 R198 R199 R200 R201 R251 R252 R253 R254R	10K	YAGEO	RC0402JR-07010K	RES -0402 -10K -5%
CPRES01442A	1	R60 R114	60kOhm_1%	YAGEO	RC0402FR-0760KJ	RES -0402 -60k -1%
CPRES00026A	4	R7 R11 R151 R152 R302	10R	YAGEO	RC0402JR-0710R	RES -0402 -10R -5%
CPRES00729A	1	R8	1K_1%	YAGEO	RC0402FR-071KJ	RES -0402 -1K -1%
CPRES00074A	21	R44 R44 R34 R44 R47 R48 R70 R189 R190 R283 R286 R325 R326 R327 R328 R239 R330 R331 R332 R342 R348 R349	1K	YAGEO	RC0402JR-071KJ	RES -0402 -1K -1%
CPRES00082A	4	R17 R18 R19 R20	2K2	YAGEO	RC0402JR-072K2L	RES -0402 -2K2 -5%
CPRES00566A	12	R26 R128 R139 R195 R226 R302 R239 R240 R249 R250 R277 R281	180R	YAGEO	RC1206JR-07180R	RES -1206 -180R -5%
CPRES00122A	1	R28 R89 R100 R106 R111 R191 R192 R347	100K	YAGEO	RC0402JR-07100K	RES -0402 -100K -5%
CPRES00762A	2	R28 R355	24K_1%	YAGEO	RC0402FR-0724KJ	RES -0402 -24K -1%
CPRES00755A	1	R30	18K_1%	YAGEO	RC0402FR-0718KJ	RES -0402 -18K -1%
CPRES00040A	1	R44 R51	39R	YAGEO	RC0402JR-0739R	RES -0402 -39R -5%
CPRES00050A	27	R44 R58 R61 R67 R85 R115 R123 R126 R183 R184 R185 R202 R204 R205 R208 R231 R232 R233 R234 R241 R242 R243 R244 R257 R258 R261 R265	100R	YAGEO	RC0402JR-07100R	RES -0402 -100R -5%
CPRES00068A	1	R46	500R	YAGEO	RC0402JR-07500R	RES -0402 -500R -5%
CPRES00054A	1	R53	150R	YAGEO	RC0402JR-07150R	RES -0402 -150R -5%
CPRES00105A	1	R55	20K	YAGEO	RC0402JR-0720KJ	RES -0402 -20K -5%
CPRES00090A	1	R63 R132 R133 R138	4K7	YAGEO	RC0402JR-074K7L	RES -0402 -4K7 -5%
CPRES00134A	1	R69	100R	YAGEO	RC0205JR-0700R	RES -0805 -100R -5%
CPRES00220A	1	R69	100R	YAGEO	RC0603JR-07100R	RES -0603 -100R -5%
CPRES00714A	2	R73 R82	240R_1%	YAGEO	RC0402FR-07240R	RES -0402 -240R -1%
CPRES00713A	1	R74	220R_1%	YAGEO	RC0402FR-07220R	RES -0402 -220R -1%
CPRES00691A	1	R75 R76	47R_1%	YAGEO	RC0402FR-0747R	RES -0402 -47R -1%
CPRES00071A	1	R77	750R	YAGEO	RC0402JR-07750R	RES -0402 -750R -5%
CPRES00703A	1	R79	82R_1%	YAGEO	RC0402FR-0782R	RES -0402 -82R -1%
CPRES01518A	1	R83	374K_1%	YAGEO	RC0402FR-07374KJ	RES -0402 -374K -1%
CPRES00771A	2	R84 R86	50K_1%	YAGEO	RC0402FR-	