

Item	Quantity	Mistral Part No	Value	Description	Part Reference	Mfr_name	Mfr_part_number
1	0	DNI	DNI	DNI	ACC1	DNI	DNI
2	0	DNI	DNI	DNI	ACC2 ACC3	DNI	DNI
3	1	160019020049-R	9774015243R	STANDOFF BOARD TO BOARD 1.50MM LENGTH FEMALE M2 THREADED SS	ACC4	WURTH ELECTRONICS	9774015243R
4	23	120018010007-R	0.01uF	CAP CERAMIC 0.01uF 25V 10% X5R 0201	C1 C12 C35 C48 C54 C87 C88 C150 C156 C161 C164 C166 C297 C417 C423 C435 C460 C466 C488 C504 C531 C539 C548	MURATA	GRM033R61E103KA12J
5	31	120013110019-R	10uF	CAP CERAMIC 10uF 10V 20% X5R 0402	C2 C18 C63 C75 C108 C121 C123 C125 C170 C192 C202 C204 C205 C211 C213 C219 C267 C302 C304 C305 C373 C377 C378 C402 C409 C419 C424 C498 C538 C541 C545	MURATA	GRM155R61A106ME11D
6	144	120009030072-R	0.1uF	CAP CERAMIC 0.1uF 16V 10% X5R 0201	C3 C6 C9 C14 C15 C17 C20 C22 C25 C50 C55 C58 C60 C62 C95 C96 C104 C105 C106 C107 C110 C112 C115 C119 C124 C127 C133 C134 C137 C142 C143 C144 C147 C151 C160 C165 C172 C173 C174 C177 C178 C180 C188 C196 C197 C200 C201 C203 C206 C207 C208 C210 C212 C281 C293 C303 C309 C310 C313 C320 C321 C322 C323 C324 C325 C328 C331 C332 C333 C335 C336 C337 C342 C343 C347 C348 C351 C352 C353 C355 C359 C362 C364 C366 C367 C370 C374 C406 C407 C408 C411 C418 C422 C425 C439 C442 C443 C444 C445 C451 C452 C453 C454 C455 C456 C457 C459 C462 C463 C464 C465 C467 C468 C471 C472 C473 C477 C478 C479 C481 C482 C483 C484 C485 C487 C489 C490 C492 C493 C496 C499 C501 C502 C503 C506 C532 C533 C535 C537 C544 C546 C550 C552 C554	MURATA	GRM033R61C104KE14D
7	0	DNI	DNI	DNI	C4 C5 C8 C10 C11 C171 C176 C414 C416	DNI	DNI
8	0	DNI	DNI	DNI	C7	DNI	DNI
9	56	120011100014-R	0.1uF	CAP CERAMIC 0.1uF 50V 10% X7R 0402	C13 C21 C34 C37 C38 C53 C57 C64 C65 C66 C69 C71 C79 C80 C90 C101 C103 C111 C118 C126 C132 C136 C152 C157 C158 C162 C163 C169 C183 C185 C189 C191 C195 C199 C357 C358 C371 C385 C388 C389 C392 C393 C394 C395 C396 C397 C401 C434 C438 C441 C475 C476 C486 C491 C494 C495	MURATA	GRM155R71H104KE14D
10	33	120018090038-R	1uF	CAP CERAMIC 1uF 16V 20% X5R 0201	C16 C39 C43 C49 C59 C61 C67 C109 C153 C167 C181 C184 C230 C242 C249 C256 C296 C300 C311 C312 C356 C400 C461 C469 C534 C536 C540 C542 C543 C547 C549 C551 C553	MURATA	GRM033R61C105ME15D
11	0	DNI	DNI	DNI	C19	DNI	DNI
12	7	120012060002-R	4.7uF	CAP CERAMIC 4.7uF 10V 20% X5R 0402	C26 C40 C122 C155 C198 C436 C480	MURATA	GRM155R61A475MEAAD
13	6	120019020008-R	10uF	CAP CERAMIC 10uF 10V 20% X5R 0402	C30 C32 C41 C68 C280 C291	SAMSUNG	CL05A106MP8NUB8
14	0	DNI	DNI	DNI	C31	DNI	DNI
15	4	120014100019-R	18pF	CAP CERAMIC 18pF 50V 5% HI-Q C0G(NP0) 0402	C33 C36 C148 C149	MURATA	GJM1555C1H180JB01D
16	2	120021090005-R	9pF	CAP CERAMIC 9pF 50V 0.5pF HI-Q C0G(NP0) 0402	C42 C45	MURATA	GJM1555C1H9R0DB01D
17	5	120022050001-R	4.7uF	CAP CERAMIC 4.7uF 6.3V 20% X5R 0201	C44 C46 C251 C272 C289	CAL-CHIP	GMC02X5R475M6R3NT

18	33	120015030003-R	1uF	CAP CERAMIC 1uF 10V 20% X5R 0201	C47 C51 C56 C214 C215 C220 C221 C222 C223 C224 C231 C233 C234 C235 C236 C239 C241 C252 C253 C258 C260 C263 C264 C270 C271 C273 C282 C285 C287 C288 C290 C292 C507	SAMSUNG	CL03A105MP3NSNC
19	11	120015120001-R	2.2uF	CAP CERAMIC 2.2uF 25V 10% X5R 0402	C52 C154 C179 C182 C186 C187 C190 C379 C384 C470 C497	MURATA	GRM155R61E225KE11D
20	6	120014100009-R	22uF	CAP CERAMIC 22uF 10V 20% X5R 0603	C70 C97 C99 C319 C326 C349	MURATA	GRM188R61A226ME15D
21	10	120018090056-R	47uF	CAP CERAMIC 47uF 6.3V 10% X7R AUTO 1210	C72 C73 C74 C78 C93 C94 C98 C100 C301 C334	MURATA	GCM32ER70J476KE19L
22	10	120019040010-R	10uF	CAP CERAMIC 10uF 10V 10% X7R AUTO 0805	C76 C77 C83 C91 C92 C329 C330 C372 C386 C387	MURATA	GCM21BR71A106KE22K
23	12	120019040009-R	2.2uF	CAP CERAMIC 2.2uF 6.3V 10% X7R AUTO 0603	C81 C82 C84 C86 C344 C350 C354 C361 C368 C376 C382 C383	MURATA	GCM188R70J225KE22D
24	2	120021010034-R	9pF	CAP CERAMIC 9pF 50V 0.5pF C0G(NP0) AUTO 0402	C85 C89	MURATA	GCM1555C1H9R0DA16D
25	7	120019050016-R	10uF	CAP CERAMIC 10uF 35V 20% X5R 0603	C102 C120 C128 C138 C140 C449 C450	MURATA	GRM188R6YA106MA73D
26	4	120021100001-R	220pF	CAP CERAMIC 220pF 100V 5% C0G(NP0) 0402	C113 C116 C130 C131	MURATA	GRM1555C2A221JE01D
27	2	120021100004-R	100uF_50V	CAP ELECTROLYTIC 100uF 50V 20% CASE_8383	C114 C129	NEXTGEN	UT107M050HFKTA
28	0	DNI	DNI	DNI	C117	DNI	DNI
29	3	120014100011-R	47uF	CAP CERAMIC 47uF 10V 20% X5R 0805	C139 C446 C447	MURATA	GRM21BR61A476ME15L
30	2	120021030002-R	10uF	CAP CERAMIC 10uF 50V 10% X5R 0805	C141 C448	MURATA	GRM21BR61H106KE43L
31	2	120009030213-R	12pF	CAP CERAMIC 12pF 25V 5% C0G(NP0) 0201	C145 C146	MURATA	GRM0335C1E120JA01D
32	0	DNI	DNI	DNI	C159 C346 C399 C410 C440 C555	DNI	DNI
33	0	DNI	DNI	DNI	C168	DNI	DNI
34	0	DNI	DNI	DNI	C175	DNI	DNI
35	41	120009050017-R	0.1uF	CAP CERAMIC 0.1uF 10V 10% X5R 0201	C216 C217 C218 C225 C226 C227 C228 C229 C232 C237 C238 C240 C243 C244 C245 C246 C247 C248 C250 C254 C257 C259 C261 C262 C265 C266 C268 C269 C274 C275 C276 C277 C278 C279 C283 C284 C286 C294 C295 C298 C299	SAMSUNG	CL03A104KP3NNNC
36	1	120018090044-R	2.2uF	CAP CERAMIC 2.2uF 10V 10% X5R 0201	C255	MURATA	GRM033R61A225KE47D
37	6	120009030143-R	1000pF	CAP CERAMIC 1000pF 10V 10% X7R 0201	C306 C315 C341 C345 C363 C365	AVX CORPORATION	0201ZC102KAT2A
38	1	120021070019-R	22pF	CAP CERAMIC 22pF 25V 1% C0G(NP0) 0201	C307	MURATA	GRM0335C1E220FA01D
39	6	120019050002-R	0.01uF	CAP CERAMIC 0.01uF 25V 10% X7R 0201	C308 C314 C316 C338 C369 C375	MURATA	GRM033R71E103KE14D
40	0	DNI	DNI	DNI	C317 C318 C340 C390 C391	DNI	DNI
41	1	120021080009-R	120pF	CAP CERAMIC 120pF 25V 10% X7R 0201	C327	MURATA	GRM033R71E121KA01D
42	1	120020050017-R	4.7uF	CAP CERAMIC 4.7uF 35V 20% X5R 0603	C339	MURATA	GRM188R6YA475ME15D
43	5	120021030007-R	0.1uF	CAP CERAMIC 0.1uF 16V 10% X7S AUTO 0201	C360 C380 C381 C404 C405	MURATA	GRT033C71C104KE01D
44	1	120021090007-R	150uF_10V	CAP TANTALUM 150uF 10V 10% ESR 600mE D7343	C398	VISHAY	293D157X9010D2TE3
45	1	120013050002-R	47uF	CAP CERAMIC 47uF 25V 20% X5R 1206	C403	TDK CORPORATION	C3216X5R1E476M160AC
46	3	120019030005-R	0.1uF	CAP CERAMIC 0.1uF 50V 10% X7R AUTO 0402	C412 C420 C421	MURATA	GRT155R71H104KE01D
47	1	120021020031-R	2.2uF	CAP CERAMIC 2.2uF 10V 10% X5R AUTO 0402	C413	MURATA	GRT155R61A225KE01D
48	2	120013030002-R	1uF	CAP CERAMIC 1uF 100V 10% X7S 0805	C415 C428	MURATA	GRM21BC72A105KE01L
49	1	120021060019-R	0.47uF	CAP CERAMIC 0.47uF 10V 10% X7R 0402	C426	MURATA	GRM155R71A474KE01D
50	1	120019020006-R	0.22uF	CAP CERAMIC 0.22uF 16V 10% X7R AUTO 0402	C427	MURATA	GCM155R71C224KE02D
51	1	120019050003-R	0.12uF	CAP CERAMIC 0.12uF 10V 10% X7R 0603	C429	YAGEO AMERICA	CC0603KRX7R6BB124
52	2	120013120015-R	47uF	CAP CERAMIC 47uF 10V 20% X5R 1206	C430 C431	MURATA	GRM31CR61A476ME15L
53	1	120021020036-R	0.015uF	CAP CERAMIC 0.015uF 25V 10% X7R AUTO 0402	C432	MURATA	GCM155R71E153KA55D
54	1	120019050019-R	330pF	CAP CERAMIC 330pF 50V 5% C0G(NP0) AUTO 0402	C433	MURATA	GRT1555C1H331JA02D
55	1	120016120011-R	15pF	CAP CERAMIC 15pF 25V 2% HI-Q C0G(NP0) 0201	C458	MURATA	GJM0335C1E150GB01D
56	1	120020100018-R	8.2pF	CAP CERAMIC 8.2pF 25V 0.5pF C0G(NP0) 0201	C474	MURATA	GRM0335C1E8R2DA01D
57	0	DNI	DNI	DNI	C500	DNI	DNI
58	0	DNI	DNI	DNI	C505	DNI	DNI

59	16	130018100050	1uF	PASSIVE FILTER EMI 1uF 4V AUTO 0402	C508 C509 C510 C511 C512 C513 C514 C516 C518 C519 C520 C521 C524 C525 C527 C529	MURATA	NFM15HC105D0G
60	4	130018100049	10uF	PASSIVE FILTER EMI 10uF 4V AUTO 0603	C515 C517 C526 C528	MURATA	NFM18HC106D0G
61	1	130018090051	10uF	PASSIVE FILTER EMI 10uF 6.3V AUTO 0603	C522	MURATA	NFM18HC106D0J
62	1	130018090052	1uF	PASSIVE FILTER EMI 1uF 6.3V AUTO 0402	C523	MURATA	NFM15HC105D0J
63	0	DNI	DNI	DNI	C556	DNI	DNI
64	2	130017100002-R	BZX84C6V8LT1G	DIODE ZENER 250mW 6.8V SOT23-123	D1 D2	ON SEMICONDUCTOR	BZX84C6V8LT1G
65	5	130014110022-R	TPD1E10B06DPYR	DIODE 1CH ESD PROTECTION X1SON2	D3 D7 D8 D12 D13	TEXAS INSTRUMENTS	TPD1E10B06DPYR
66	4	130020090037-R	TPD1E01B04DPLT	DIODE 1CH ESD PROTECTION FOR USB TYPE-C AND THUNDERBOLT3 X2SON2	D4 D5 D10 D11	TEXAS INSTRUMENTS	TPD1E01B04DPLT
67	1	130017080015-R	ESD122DMXR	DIODE 2-CH ESD PROTECTION FOR USB TYPE-C AND HDMI 2.0 X2SON-3	D6	TEXAS INSTRUMENTS	ESD122DMXR
68	1	130018020038-R	XBS104S13R	DIODE SCHOTTKY 40V 1A SOD323A	D9	TOREX	XBS104S13R-G
69	3	130014060028-R	300E	IND FERRITE CHIP 300E 500mA 0603	FB1 FB2 FB3	TDK CORPORATION	MMZ1608R301A
70	0		DNI		FID1		
71	0		DNI		FID2		
72	0		DNI		FID3		
73	0		DNI		FID4		
74	0		DNI		FID5		
75	0		DNI		FID6		
76	10	130013060022-R	120E	IND FERRITE BEAD CHIP 120E 2A 0402	FL1 FL2 FL5 FL7 FL8 FL10 FL12 FL13 FL14 FL15	MURATA	BLM15PX121SN1D
77	3	130022050001-R	26E	IND FERRITE BEAD CHIP 26E 4A 0603	FL3 FL4 FL9	MURATA	BLM18KG260JH1D
78	0	DNI	DNI	DNI	FL11 FL16	DNI	DNI
79	0	DNI	DNI	DNI	J1	DNI	DNI
80	1	150021030016-R	CON_MINIPCIE_75_F	CON MINIPCI 75POS 0.50MM PITCH FEMALE RT SMD	J2	TE CONNECTIVITY	2199119-4_2230
81	1	150020100013-R	HDR_2X20	CON HDR 2X20 2.54MM PITCH ST TH	J3	SULLINS CONNECTOR	PEC20DAAN
82	1	150010050001-R	CON_HDMI_1X19_F	CON HDMI-A TYPE 1X19 0.50MM PITCH FEMALE RT SMD	J5	FCI	10029449-001RLF
83	2	150014060029-R	CON_RJ45-14_LPJG16314A4NL	CON RJ-45 FEMALE 14POS RT TH	J6 J24	LINK-PP	LPJG16314A4NL
84	1	150017100042-R	CON_USB-A_4_F	CON USB-A TYPE 4POS FEMALE RT SMD	J7	WURTH ELECTRONICS	629104151021
85	1	150014110005-R	HDR_2X14	CON HDR 2X14 2.54MM PITCH ST TH	J8	SULLINS	PREC014DAAN-RC
86	1	150018100003-R	HDR_1X2	CON HDR 1X2 2.54MM PITCH ST TH	J9	WURTH ELECTRONICS	61300211121
87	3	150012100005-R	HDR_1X2	CON HDR 1X2 2.54MM PITCH ST TH	J10 J12 J16	MOLEX	90120-0122
88	0	DNI	DNI	DNI	J11	DNI	DNI
89	2	150018060002-R	CON_USB-C_24_F	CON USB-C TYPE 24POS FEMALE RT SMD	J13 J15	MOLEX	2012670005
90	1	150010060028-R	CON_AUDIOJACK4_SJ-43514-SMT	CON AUDIO JACK 4POS FEMALE RT SMD	J14	CUI INC	SJ-43514-SMT-TR
91	2	150019050015-R	CON_MUSB-B_5_F	CON MICRO USB TYPE B 5POS FEMALE RT SMD	J17 J18	WURTH ELECTRONICS	629105150521
92	1	150011090001-R	HDR_2X10	CON HDR 2X10 1.27MM PITCH ST SMD	J19	SAMTEC	FTR-110-51-S-D-06
93	1	150022080019-R	CON_FLEX_22X1_52435	CON FPC 22X1 0.50MM PITCH TPM RT SMD	J20	MOLEX	52435-2271
94	0	DNI	DNI	DNI	J21	DNI	DNI
95	1	150021090028-R	CON_SDCARD9_MEM2051-00-195-00-A	CON MICROSD CARD 9POS FEMALE RT SMD	J22	GCT	MEM2051-00-195-00-A
96	1	150009030176-R	CON_FLEX_40X1_FH12A-40S-0.5SH	CON FPC 40X1 0.50MM PITCH RT TOP SMD	J23	HIROSE ELECTRIC EUROPE	FH12A-40S-0.5SH(55)
97	5	130019040001-R	0.47uH	IND POWER 0.47uH 20% 4.9A 1008	L1 L2 L3 L5 L6	TDK CORPORATION	TFM252012ALMAR47MTAA
98	2	130019060035-R	90E	IND COMMON MODE CHOKE 90E 280mA SMD	L4 L7	MURATA	DLW215Z900HQ2B
99	1	130019100011-R	1.5uH	IND POWER 1.5uH 9.1A 20% SMD	L8	COIL CRAFT	XFL4020-152MEB
100	1	130020100030-R	0.47uH	IND CHIP 0.47uH 4.5A 20% 0806	L9	MURATA	DFE201612E-R47M=P2
101	1	130019100031-R	1.8uH	IND POWER 1.8uH 21A 20% SMD	L10	COIL CRAFT	XAL7070-182MEB
102	0	DNI	DNI	DNI	L11	DNI	DNI
103	0	DNI	DNI	DNI	LBL1 LBL2	DNI	DNI
104	8	130020080012-R	150080VS75000	DIODE LED BRIGHT GREEN SMD	LD1 LD2 LD3 LD4 LD5 LD6 LD8 LD9	WURTH ELECTRONICS	150080VS75000
105	1	130020110071-R	150040VS73220	DIODE LED BRIGHT GREEN SMD	LD7	WURTH ELECTRONIK	150040VS73220
106	1	130020090020-R	150040RS73220	DIODE LED RED SMD	LD10	WURTH ELECTRONICS	150040RS73220
107	0		DNI		LOGO1		

108	0		DNI		LOGO2		
109	0		DNI		LOGO3		
110	0		DNI		LOGO4		
111	1	160019030017-R	FLAT WASHER_M2	FLAT WASHER FOR M2 NYLON	MH3	KEYSTONE	3356
112	1	160019030026-R	PAN HEAD_M2 X 5	PHILLIPS PAN HEAD SCREW - M2 X 5	MH5	B AND F FASTENER	MPMS 002 0005 PH
113	1	FY22-23/00176000401	PROC135E3	AM62A SKEVM	PCB1		PROC135E3
114	9	142020120008-R	CSD16301Q2	IC MOSFET N-CHANNEL NEXFET 25V WSON6	Q1 Q4 Q5 Q6 Q7 Q9 U126 U127 U128	TEXAS INSTRUMENTS	CSD16301Q2
115	1	142020080002-R	CSD17575Q3	IC MOSFET N-CHANNEL NEXFET 30V VSON-CLIP8	Q2	TEXAS INSTRUMENTS	CSD17575Q3
116	3	130009031213-P	IRLML6401	TRANSISTOR MOSFET P-CHANNEL SOT23-3	Q3 Q13 Q14	IRF	IRLML6401TRPBF
117	1	142022080040-R	ABC817-40-HF	TRANSISTOR 45V 500mA NPN GENERAL PURPOSE SOT23-3	Q8	COMCHIP	ABC817-40-HF
118	2	142015120011-R	CSD25310Q2	IC MOSFET P-CHANNEL WSON6	Q10 Q11	TEXAS INSTRUMENTS	CSD25310Q2
119	1	142016040001-R	BSS138LT1G	IC MOSFET N-CHANNEL 50V 200mA SOT23-3	Q12	ON SEMICONDUCTOR	BSS138LT1G
120	133	110010070051-R	10K	RES 10K 1/20W 5% 0201	R1 R2 R3 R7 R9 R12 R14 R15 R16 R17 R18 R22 R29 R32 R33 R40 R41 R45 R46 R63 R64 R79 R86 R87 R90 R91 R92 R97 R99 R100 R104 R126 R128 R129 R136 R141 R142 R144 R145 R146 R147 R149 R151 R154 R155 R156 R158 R161 R164 R167 R168 R172 R175 R176 R179 R181 R182 R183 R221 R223 R224 R250 R253 R263 R283 R284 R285 R287 R288 R289 R290 R291 R304 R314 R324 R353 R390 R402 R403 R410 R412 R414 R415 R419 R427 R430 R438 R440 R450 R451 R452 R463 R465 R473 R480 R486 R489 R490 R491 R492 R498 R501 R504 R506 R508 R509 R510 R516 R517 R520 R521 R524 R527 R528 R530 R531 R537 R538 R539 R540 R541 R542 R546 R547 R548 R560 R561 R565 R568 R574 R597 R603 R618	YAGEO AMERICA	RC0201JR-0710KL
121	0	DNI	DNI	DNI	R4 R5 R13 R20 R21 R47 R49 R98 R152 R153 R174 R177 R180 R252 R295 R296 R297 R299 R300 R301 R302 R303 R306 R354 R401 R432 R442 R454 R497 R505 R511 R534 R544 R564 R566 R576 R609 R619	DNI	DNI
122	2	110010070001-R	8.2K_1%	RES 8.2K 1/20W 1% 0201	R6 R19	VISHAY	CRCW02018K20FKED
123	79	110010070067-R	0E	RES 0E 1/20W 5% 0201	R8 R10 R24 R42 R48 R51 R53 R54 R55 R56 R69 R73 R75 R77 R82 R89 R105 R106 R123 R130 R169 R171 R197 R243 R265 R266 R267 R268 R269 R270 R272 R282 R316 R317 R318 R320 R321 R322 R325 R327 R329 R361 R364 R365 R374 R393 R394 R398 R404 R405 R406 R407 R416 R421 R422 R426 R431 R436 R439 R448 R469 R507 R532 R533 R536 R545 R549 R550 R551 R554 R555 R556 R557 R567 R573 R580 R582 R612 R613	YAGEO AMERICA	RC0201JR-070RL
124	0	DNI	DNI	DNI	R11 R25 R28 R43 R52 R60 R67 R71 R74 R76 R81 R88 R109 R137 R170 R173 R178 R194 R198 R201 R204 R244 R257 R258 R259 R260 R261 R264 R312 R319 R377 R385 R386 R387 R395 R396 R446 R472 R476 R478 R481 R482 R483 R484 R493 R575 R614 R615	DNI	DNI

125	18	110011040018-R	10K_1%	RES 10K 1/20W 1% 0201	R23 R44 R196 R199 R235 R262 R273 R274 R275 R276 R277 R338 R345 R368 R399 R428 R467 R475	YAGEO AMERICA	RC0201FR-0710KL
126	13	110009030522-R	22E_1%	RES 22E 1/20W 1% 0201	R26 R27 R34 R35 R37 R59 R309 R326 R341 R342 R343 R515 R529	YAGEO AMERICA	RC0201FR-0722RL
127	31	110021090007-R	4.7K	RES 4.7K 1/20W 5% 0201	R30 R31 R57 R184 R233 R234 R239 R278 R279 R281 R293 R294 R388 R391 R408 R409 R433 R434 R477 R479 R502 R503 R512 R523 R526 R535 R543 R552 R558 R559 R570	YAGEO AMERICA	RC0201JR-074K7L
128	0	DNI	DNI	DNI	R36	DNI	DNI
129	3	110020100039-R	10K_1%	RES 10K 1/10W 1% AUTO 0402	R38 R39 R292	VISHAY	MCS0402MC1002FE000
130	0	DNI	DNI	DNI	R50 R247 R248 R569	DNI	DNI
131	17	110018030052-R	0E	RES 0E 1/10W JUMPER 0402	R61 R66 R72 R95 R102 R103 R375 R376 R378 R379 R380 R381 R382 R383 R417 R418 R617	PANASONIC-ECG	ERJ-2GEOR00X
132	14	110009030506-R	220E	RES 220E 1/10W 5% 0402	R62 R143 R150 R162 R222 R228 R236 R240 R330 R366 R367 R585 R589 R590	PANASONIC-ECG	ERJ-2GEJ221X
133	0	DNI	DNI	DNI	R65 R400 R563	DNI	DNI
134	0	DNI	DNI	DNI	R68 R241	DNI	DNI
135	15	110010080019-R	0E	RES 0E 1/16W JUMPER 0402	R78 R107 R108 R163 R313 R323 R348 R411 R435 R447 R587 R588 R591 R606 R608	VISHAY	CRCW04020000Z0ED
136	8	110009030187-R	100K_1%	RES 100K 1/10W 1% 0402	R80 R140 R256 R357 R360 R424 R429 R453	PANASONIC-ECG	ERJ-2RKF1003X
137	0	DNI	DNI	DNI	R83 R84 R85 R93 R96 R333 R334 R337 R346 R347 R592 R594 R595 R596 R600 R601 R604 R605	DNI	DNI
138	4	110018030003-R	0.01E_1%	RES 0.01E 1W 1% 1206-4	R94 R120 R132 R356	SUSUMU	KRL3216T4A-M-R010-F-T1
139	2	110018100018-R	0.001E_1%	RES CURRENT SENSE 0.001E 1W 1% 0612-4	R101 R131	BOURNS	CST0612-FC-R001E
140	0	DNI	DNI	DNI	R110	DNI	DNI
141	0	DNI	DNI	DNI	R111 R112 R114 R115 R116 R117 R118 R373	DNI	DNI
142	6	110022080045-R	49.9K_1%	RES 49.9K 1/20W 1% 0201	R113 R133 R242 R315 R371 R372	STACKPOLE ELECTRONICS	RMCF0201FT49K9
143	3	110011060017-R	240E_1%	RES 240E 1/10W 1% 0402	R119 R122 R349	PANASONIC-ECG	ERJ-2RKF2400X
144	6	110011020013-R	0E	RES 0E 1/10W 5% 0603	R121 R157 R193 R226 R389 R583	PANASONIC-ECG	RC0603JR-070RL
145	2	110020120011-R	16.5K_1%	RES 16.5K 1/16W 1% 0402	R124 R134	YAGEO AMERICA	RC0402FR-0716K5L
146	2	110016010003-R	3.4K_1%	RES 3.4K 1/20W 1% 0201	R125 R135	PANASONIC-ECG	ERJ-1GNF3401C
147	0	DNI	DNI	DNI	R127	DNI	DNI
148	4	110011060021-R	10K	RES 10K 1/16W 5% 0402	R138 R139 R443 R444	YAGEO AMERICA	RC0402JR-0710KL
149	4	110009030078-R	0E	RES 0E 1/20W JUMPER 0201	R148 R362 R363 R500	PANASONIC-ECG	ERJ-1GN0R00C
150	11	110009030411-R	1K_1%	RES 1K 1/10W 1% 0402	R159 R160 R203 R384 R449 R474 R494 R514 R518 R522 R525	PANASONIC-ECG	ERJ-2RKF1001X
151	19	110009030176-R	100K	RES 100K 1/20W 5% 0201	R185 R186 R187 R188 R189 R190 R191 R192 R271 R286 R311 R455 R456 R457 R458 R459 R460 R461 R462	YAGEO AMERICA	RC0201JR-07100KL
152	1	110011060012-R	130K_1%	RES 130K 1/10W 1% 0402	R195	PANASONIC-ECG	ERJ-2RKF1303X
153	1	110011040004-R	680K_1%	RES 680K 1/10W 1% 0402	R200	PANASONIC-ECG	ERJ-2RKF6803X
154	1	110009030846-R	49.9E_1%	RES 49.9E 1/16W 1% 0402	R202	VISHAY	CRCW040249R9FKEDC
155	19	110009030097-R	1.1K_1%	RES 1.1K 1/20W 1% 0201	R205 R206 R207 R208 R209 R210 R211 R212 R213 R214 R215 R216 R217 R218 R219 R220 R305 R392 R495	YAGEO AMERICA	RC0201FR-071K1L
156	0	DNI	DNI	DNI	R225 R229 R230 R231 R245	DNI	DNI
157	2	110009030074-R	0E	RES 0E 1/8W 5% 0805	R227 R578	YAGEO AMERICA	RC0805JR-070RL
158	1	110009030803-R	4.87K_1%	RES 4.87K 1/10W 1% 0402	R232	PANASONIC-ECG	ERJ-2RKF4871X
159	2	110017080023-R	30K	RES 30K 1/16W 5% 0402	R237 R487	VISHAY	CRCW040230K0JNED
160	1	110009030486-R	20K_1%	RES 20K 1/16W 1% 0402	R238	VISHAY	CRCW040220K0FKED
161	0	DNI	DNI	DNI	R246 R249 R572	DNI	DNI

162	0	DNI	DNI	DNI	R251	DNI	DNI
163	3	110010070052-R	33E	RES 33E 1/20W 5% 0201	R254 R499 R562	YAGEO AMERICA	RC0201JR-0733RL
164	0	DNI	DNI	DNI	R255	DNI	DNI
165	0	DNI	DNI	DNI	R280	DNI	DNI
166	0	DNI	DNI	DNI	R298 R310 R352	DNI	DNI
167	1	110016060004-R	4.3K_1%	RES 4.3K 1/16W 1% 0402	R308	YAGEO AMERICA	RC0402FR-074K3L
168	3	110021020006-R	499E_0.1%	RES 499E 1/16W 0.1% 0402	R328 R331 R344	YAGEO AMERICA	RT0402BRD07499RL
169	1	110018020020-R	17.8K_1%	RES 17.8K 1/16W 1% 0402	R332	VISHAY	CRCW040217K8FKED
170	3	110009030427-R	2.2K	RES 2.2K 1/20W 5% 0201	R335 R355 R513	YAGEO AMERICA	RC0201JR-072K2L
171	5	110016050020-R	2.49K_1%	RES 2.49K 1/16W 1% 0402	R336 R340 R598 R599 R602	YAGEO AMERICA	RC0402FR-072K49L
172	2	110009030945-R	5.76K_1%	RES 5.76K 1/10W 1% 0402	R339 R593	PANASONIC-ECG	ERJ-2RKF5761X
173	3	110010120018-R	2.2K	RES 2.2K 1/16W 5% 0402	R350 R369 R370	YAGEO AMERICA	RC0402JR-072K2L
174	2	110015110012-R	11K_1%	RES 11K 1/16W 1% 0402	R351 R611	YAGEO AMERICA	RC0402FR-0711KL
175	1	110010030027-R	316K_1%	RES 316K 1/10W 1% 0402	R358	PANASONIC-ECG	ERJ-2RKF3163X
176	1	110012010013-R	0E	RES 0E 1/4W JUMPER 0603 (HP)	R359	VISHAY	CRCW0603000020EAHP
177	1	110020090011-R	0.005E_1%	RES 0.005E 1W 1% AUTO 1206 (HP)	R397	VISHAY	WSLP12065L000FEA
178	1	110014060045-R	1M_1%	RES 1M 1/16W 1% 0402	R413	YAGEO AMERICA	RC0402FR-071ML
179	1	110015080004-R	10E	RES 10E 1/16W 5% 0402	R420	YAGEO AMERICA	RC0402JR-0710RL
180	1	110010070032-R	44.2K_1%	RES 44.2K 1/16W 1% 0402	R423	VISHAY	CRCW040244K2FKEDC
181	0	DNI	DNI	DNI	R425	DNI	DNI
182	1	110017010016-R	2.2K_1%	RES 2.2K 1/20W 1% 0201	R437	YAGEO AMERICA	RC0201FR-072K2L
183	1	110020100049-R	2.05K_1%	RES 2.05K 1/16W 1% 0402	R441	VISHAY	CRCW04022K05FKED
184	1	110009060005-R	100K_1%	RES 100K 1/20W 1% 0201	R445	YAGEO AMERICA	RC0201FR-07100KL
185	0	DNI	DNI	DNI	R468 R485	DNI	DNI
186	1	110009030966-R	51K	RES 51K 1/16W 5% 0402	R488	VISHAY	CRCW040251K0JNED
187	2	110014070015-R	100E_1%	RES 100E 1/16W 1% 0402	R496 R519	YAGEO AMERICA	RC0402FR-07100RL
188	1	110019040053-R	12K_1%	RES 12K 1/10W 1% 0402	R553	PANASONIC-ECG	ERJ-2RKF1202X
189	0	DNI	DNI	DNI	R577	DNI	DNI
190	2	110009030522-R	22E_1%	RES 22E 1/20W 1% 0201	R584 R586	PANASONIC-ECG	ERJ-1GEF22R0C
191	0	DNI	DNI	DNI	R607	DNI	DNI
192	0	DNI	DNI	DNI	R610	DNI	DNI
193	0	DNI	DNI	DNI	R616	DNI	DNI
194	2	110018090033-R	0E	RES ARRAY 0E 31mW JUMPER 0201-4	RA1 RA2	PANASONIC-ECG	EXB-18VR000X
195	4	110015050003-R	1K	RES ARRAY 1K 31mW 5% 0201-4	RA3 RA4 RA5 RA6	PANASONIC-ECG	EXB-18V102JX
196	3	130015110004-R	7914G-1-000E	SWITCH SPST-NO 4MM SQ SMD 7914G	SW1 SW4 SW5	BOURNS	7914G-1-000E
197	2	130020100001-R	416131160808	SWITCH SLIDE SPST ST SMD	SW2 SW3	WURTH ELECTRONICS	416131160808
198	0	DNI	DNI	DNI	TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP9 TP10 TP11 TP12 TP13 TP14 TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP24 TP25 TP26 TP27 TP28 TP29 TP30 TP32 TP33 TP34 TP35 TP36 TP37 TP38 TP39 TP40 TP41 TP45 TP46 TP47 TP49 TP50 TP51 TP52 TP53 TP54 TP55 TP56 TP57 TP58 TP61 TP62 TP63 TP65 TP66 TP67 TP68 TP69 TP70 TP71 TP72 TP73 TP75 TP76 TP77 TP78 TP79 TP80 TP81 TP82 TP83 TP84 TP85 TP86 TP87 TP88 TP89 TP90 TP91 TP92 TP93 TP94 TP95 TP96 TP97 TP98 TP99 TP100 TP101 TP102 TP103 TP104 TP105 TP106 TP118 TP119 TP120 TP121 TP122 TP123 TP124 TP125 TP126	DNI	DNI
199	0	DNI	DNI	DNI	TP8 TP42 TP43 TP44 TP48 TP115 TP116 TP117	DNI	DNI
200	0	DNI	DNI	DNI	TP31 TP74	DNI	DNI
201	0	DNI	DNI	DNI	TP59 TP60 TP64 TP110 TP111 TP112 TP113 TP114	DNI	DNI

202	1	141009030362-R	TXS0104ERGYR	IC 4-BIT BIDIRECTIONAL VOLTAGE-LEVEL TRANSLATOR QFN14	U1	TEXAS INSTRUMENTS	TXS0104ERGYR
203	1	141220090002	XAM62A74ATMGHIAMB	IC AM62A SK EVM SoC MICROPROCESSOR FCBGA484	U18	TEXAS INSTRUMENTS	XAM62A74ATMGHIAMB
204	3	141014090009-R	TCA6424ARGJR	IC I2C I/O EXPANDER 24B UQFN32	U2 U92 U100	TEXAS INSTRUMENTS	TCA6424ARGJR
205	1	141122110001-R	MT53E1G32D2FW-046 AUT:B	IC 4GB AUTO LPDDR4/LPDDR4x SDRAM TFBGA200	U26	MICRON	MT53E1G32D2FW-046 AUT:B
206	0	DNI	DNI	DNI	U3	DNI	DNI
207	0	DNI	DNI	DNI	U4	DNI	DNI
208	1	141217080002-R	TM4C1294NCPDTT3R	IC 32-BIT MICROCONTROLLER WITH 1MB FLASH TQFP128	U47	TEXAS INSTRUMENTS	TM4C1294NCPDTT3R
209	1	141016030006-R	TCA9543APWR	IC 2-CHANNEL I2C BUS SWITCH WITH INTERRUPT LOGIC AND RESET TSSOP14	U5	TEXAS INSTRUMENTS	TCA9543APWR
210	1	130020110041-R	25.000MHz	OSC 25.000MHz CMOS SMD	U6	ECS INC	ECS-2520MV-250-CN-TR
211	1	141020050011-R	LMK1C1104PWR	IC LVCMOS CLOCK BUFFER TSSOP8	U7	TEXAS INSTRUMENTS	LMK1C1104PWR
212	1	141021020023-R	TS3DV642RUATQ1	IC 8Gbps 12-CHANNEL DIFFERENTIAL 1:2 AND 2:1 MUX WQFN42	U8	TEXAS INSTRUMENTS	TS3DV642RUATQ1
213	2	130022050049-R	12.288MHz	OSC 12.288MHz CMOS AUTO SMD	U9 U86	KYOCERA	MC2016Z12.2880C19XSH
214	4	141012050010-R	TXS0102DQER	IC 2-BIT BI-DIR VOLTAGE-LEVEL TRANSLATOR FOR OPEN-DRAIN AND PUSH-PULL X2SON8	U10 U102 U106 U112	TEXAS INSTRUMENTS	TXS0102DQER
215	5	141009060026-R	SN74LVC1G08DBVRE4	IC SINGLE 2-INPUT POSITIVE AND GATE SOT23-5	U11 U32 U45 U93 U94	TEXAS INSTRUMENTS	SN74LVC1G08DBVRE4
216	1	141121040002-R	W35N01JWTBAG	IC 1.7-1.95V 1Gb SERIAL SLC NAND FLASH MEMORY OCTAL SPI TFBGA24	U12	WINBOND	W35N01JWTBAG
217	1	141010060001	SiI9022ACNU	IC HDMI TRANSMITTER QFN72	U13	SILICON IMAGE	SiI9022ACNU
218	2	141017080030-R	TMP100NA/3K	IC TEMPERATURE SENSOR WITH I2C AND SMBUS INTERFACE SOT23-6	U16 U29	TEXAS INSTRUMENTS	TMP100NA/3K
219	6	142021080022-R	INA231AIYFDR	IC HIGH OR LOW SIDE MEASUREMENT BI-DIR CURRENT AND POWER MONITOR WITH 1.8V I2C INTERFACE DSBGA12	U17 U25 U82 U83 U84 U85	TEXAS INSTRUMENTS	INA231AIYFDR
220	1	142016050007-R	TPS22918DBVR	IC ON RESISTANCE LOAD SWITCH SOT23-6	U20	TEXAS INSTRUMENTS	TPS22918DBVR
221	1	142022050034-R	TLV705075YFPT	IC 200mA 0.75V LOW IQ LOW-DROPOUT REGULATOR DSBGA4	U21	TEXAS INSTRUMENTS	TLV705075YFPT
222	1	141011080020-R	TPD6E001RSER	IC 6CH ESD-PROTECTION ARRAY UQFN10	U22	TEXAS INSTRUMENTS	TPD6E001RSER
223	6	141021010013-R	SN74LVC1G11DRYR	IC SINGLE 3-INPUT POSITIVE-AND GATE SON6	U24 U36 U41 U42 U96 U116	TEXAS INSTRUMENTS	SN74LVC1G11DRYR
224	1	142022050033	PTPS65931211RWERQ1	IC POWER MANAGEMENT WITH 5 BUCKS AND 4 LDOS FOR SAFETY-RELEVANT AUTOMOTIVE APPLICATIONS VQFN56	U27	TEXAS INSTRUMENTS	PTPS65931211RWERQ1
225	1	141120020001-R	MTFC16GAPALBH-IT	IC 16GB e-MMC MEMORY TFBGA153	U28	MICRON	MTFC16GAPALBH-IT
226	1	141018090014-R	TPD3S014-Q1	IC ESD PROTECTION FOR AUTO USB PORT WITH CURRENT LIMIT SWITCH SOT23-6	U30	TEXAS INSTRUMENTS	TPD3S014TDBVRQ1
227	1	140118090001-R	TMUX154EDGSR	IC ESD PROTECTED 2-CH 2:1 SWITCH WITH POWERED-OFF PROTECTION VSSOP10	U31	TEXAS INSTRUMENTS	TMUX154EDGSR
228	4	141009030117-R	SN74CB3Q3257PWR	IC 4BIT 1-OF-2 FET MULTIPLEXER/DEMULTIPLEXER TSSOP16	U33 U52 U55 U95	TEXAS INSTRUMENTS	SN74CB3Q3257PWR
229	1	141117020010-R	W25Q80DVSNI8	IC SERIAL FLASH MEMORY SOIC8	U34	WINBOND	W25Q80DVSNI8-TR
230	2	141017090019-R	SN74LVC3G17DCUR	IC TRIPLE SCHMITT-TRIGGER BUFFER VSSOP8	U35 U108	TEXAS INSTRUMENTS	SN74LVC3G17DCUR
231	1	142014070020-R	TPS22965DSGT	IC 5.7V 6A 1-CHANNEL 16mE ON-RESISTANCE LOAD SWITCH WSON8	U37	TEXAS INSTRUMENTS	TPS22965DSGT
232	1	141119090004-R	AT24C512C-MAHM-T	IC 1.7-3.6V 512kb I2C COMPATIBLE SERIAL EEPROM UDFN8	U38	MICROCHIP	AT24C512C-MAHM-T
233	1	142015110013-R	CSD17308Q3	IC MOSFET N-CHANNEL 30V 47A VSON8	U39	TEXAS INSTRUMENTS	CSD17308Q3
234	2	141009070007-R	SN74LVC1G04DCKR	IC SINGLE INVERTER GATE SC70-5	U40 U103	TEXAS INSTRUMENTS	SN74LVC1G04DCKR
235	1	142022010015-R	TPS630702RNMR	IC ADJ BUCK-BOOST CONVERTER WITH 3.6A SWITCH CURRENT VQFN-HR15	U43	TEXAS INSTRUMENTS	TPS630702RNMR

236	1	141022040005-R	SN74LVC07ADGVR	IC HEX BUFFER AND DRIVER WITH OPEN DRAIN OUTPUT TVSOP14	U44	TEXAS INSTRUMENTS	SN74LVC07ADGVR
237	2	140110060007-R	TPD2E001DRLR	IC ESD-PROTECTION DIODE ARRAYS SOT-5	U46 U79	TEXAS INSTRUMENTS	TPD2E001DRLR
238	1	141013080006-R	FT4232HL	IC HIGH SPEED QUAD USB UART LQFP64	U48	FTDI	FT4232HL-REEL
239	1	142017080015-R	LM4040B25IDCKR	IC PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE SC70-5	U49	TEXAS INSTRUMENTS	LM4040B25IDCKR
240	0	DNI	DNI	DNI	U50	DNI	DNI
241	1	141017110007-R	TXB0104RUTR	IC 4-BIT BIDIRECTIONAL VOLTAGE-LEVEL TRANSLATOR UQFN12	U51	TEXAS INSTRUMENTS	TXB0104RUTR
242	1	142021010016-R	TPS22946YZPR	IC CURRENT-LIMITED LOAD SWITCH WITH SHUTOFF AUTO-RESTART AND OVERCURRENT CONDITION TIME-OUT DSBGA6	U53	TEXAS INSTRUMENTS	TPS22946YZPR
243	7	141011040011-R	SN74AVC4T245RSVR	IC 2-BIT BUS TRANSCEIVER WITH CONFIGURABLE VOLTAGE TRANSLATION AND 3 STATE O/P UQFN16	U54 U110 U111 U114 U118 U119 U123	TEXAS INSTRUMENTS	SN74AVC4T245RSVR
244	1	130020060007-R	32.768KHz	OSC 32.768KHz CMOS SMD	U56	ECS INC	ECS-327MVATX-2-CN-TR
245	1	142020090007-R	TPS22902YFPR	IC 3.6V 500mA 78mE ON-RESISTANCE LOAD SWITCH WITH CONTROLLED TURNON DSBGA4	U57	TEXAS INSTRUMENTS	TPS22902YFPR
246	1	141011080021-R	TPD12S016PWR	IC HDMI COMPANION CHIP WITH I2C LEVEL SHIFTING,12-CH ESD TSSOP24	U58	TEXAS INSTRUMENTS	TPD12S016PWR
247	1	142021080018-R	TLV75510PDQNR	IC 500mA 1V LOW IQ LDO REGULATOR X2SON-4	U63	TEXAS INSTRUMENTS	TLV75510PDQNR
248	1	142021090022-R	TLV75512PDQNR	IC 500mA 1.2V LOW IQ LDO REGULATOR X2SON-4	U65	TEXAS INSTRUMENTS	TLV75512PDQNR
249	2	143017080002-R	DP838671RRGZ	IC HIGH IMMUNITY 10/100/1000 Mb/s ETHERNET PHY LAYER TRANSCEIVER VQFN48	U78 U125	TEXAS INSTRUMENTS	DP838671RRGZ
250	1	142021100006-R	TPS62824DMQR	IC 1A ADJ STEP-DOWN CONVERTER WITH 1% OUTPUT ACCURACY VSON-HR6	U81	TEXAS INSTRUMENTS	TPS62824DMQR
251	2	141021110017-R	TCA9517DR	IC 2-CHANNEL BI-DIR LEVEL-SHIFTING I2C BUS REPEATER SOIC8	U87 U99	TEXAS INSTRUMENTS	TCA9517DR
252	1	143010060003-R	TLV320AIC3106IRGZT	IC LOW-POWER STEREO AUDIO CODEC VQFN48	U88	TEXAS INSTRUMENTS	TLV320AIC3106IRGZT
253	1	142018100002-R	LM5141QRGETQ1	IC WIDE I/P RANGE SYNCHRONOUS BUCK CONTROLLER VQFN24	U89	TEXAS INSTRUMENTS	LM5141QRGETQ1
254	1	142021070017-R	TPS65988DHRSHR	IC 2-PORT USB TYPE-C AND USB PD CONTROLLER WITH INTEGRATED POWER SWITCH VQFN56	U90	TEXAS INSTRUMENTS	TPS65988DHRSHR
255	2	142021100001-R	TVS2200DRVR	IC 22V FLAT-CLAMP SURGE PROTECTION DEVICE WSON6	U91 U104	TEXAS INSTRUMENTS	TVS2200DRVR
256	2	143011040001-R	SN74AVC8T245RHL	IC BUS TRANSCEIVER 8-BIT DUAL-SUPPLY QFN24	U98 U101	TEXAS INSTRUMENTS	SN74AVC8T245RHLR
257	1	142009080012-R	TPS79601DRBR	IC 1A HIGH PSRR RF ADJ LDO LINEAR REGULATOR SON8	U105	TEXAS INSTRUMENTS	TPS79601DRBR
258	2	141020100011-R	SN74LVC1G32DPWR	IC SINGLE 2-INPUT POSITIVE-OR GATE X2SON5	U107 U117	TEXAS INSTRUMENTS	SN74LVC1G32DPWR
259	2	141016030002-R	SN74AVC2T244DQMR	IC 2-BIT UNIDIRECTIONAL VOLTAGE-LEVEL TRANSLATOR X2SON8	U109 U122	TEXAS INSTRUMENTS	SN74AVC2T244DQMR
260	1	141118020002-R	93LC46B	IC 1K MICROWIRE COMPATIBLE SERIAL EEPROM MSOP8	U113	MICROCHIP	93LC46B-I/MS
261	1	141010020012-R	TPD4E004DRYR	IC 4-CH ESD PROTECTION ARRAY FOR HIGH SPEED DATA INTERFACE SON6	U115	TEXAS INSTRUMENTS	TPD4E004DRYR
262	0	DNI	DNI	DNI	U120	DNI	DNI
263	1	142014100001-R	TPS73533DRVR	IC 500mA LOW DROPOUT REGULATOR SON6	U121	TEXAS INSTRUMENTS	TPS73533DRVR
264	1	130020100043-R	25.000MHz	CRY 25.000MHz 6pF SMD	Y1	MURATA	XRCGB25M000F3M00R0
265	2	130019040003-R	32.768KHz	CRY 32.768KHz 9pF SMD	Y2 Y3	ECS INC	ECS-.327-9-34QCS-TR
266	1	130020100044-R	16.000MHz	CRY 16.000MHz 8pF SMD	Y4	MURATA	XRCGB16M000FXN01R0
267	1	130018080040-R	12.000MHz	CRY 12.000MHz 18pF SMD	Y5	CTS	445I23D12M00000