

Mistral Solutions (P) Ltd.	Project name	C-05 EVM
#60 Adarsh nagari,100 Feet Ring Road, Domtur Extension	Document name	405 TI X3000V ASSEMBLY BOM REV0
Bangalore 560 071, Ph : +91-80-30912605, Fax :+91-80-20305444	Date	23 APRIL 2016
	BOM Version	1.3
	Schematic Version	1.20
	Board Revision	2
	Total number of Boards required	5

Item Number	Quantity	Part Reference	Mistral Part No	Value	Description	Mfr. name	Mfr. part number
1	208	C1 C3 C12 C15 C17 C25 C28 C30 C40 C41 C44 C45 C46 C47 C50 C53 C58 C61 C62 C65 C67 C68 C71 C82 C83 C84 C85 C86 C87 C89 C90 C106 C109 C122 C131 C134 C136 C143 C147 C159 C162 C165 C170 C171 C173 C236 C238 C266 C268 C272 C277 C279 C280 C286 C290 C293 C294 C308 C311 C312 C319 C328 C329 C331 C332 C333 C338 C341 C345 C347 C349 C351 C354 C359 C361 C363 C364 C367 C368 C370 C371 C372 C373 C374 C375 C376 C377 C378 C379 C380 C382 C383 C391 C393 C394 C395 C405 C406 C410 C412 C413 C416 C420 C421 C423 C424 C425 C426 C427 C428 C429 C430 C431 C432 C433 C434 C436 C437 C438 C447 C454 C458 C459 C460 C461 C467 C470 C480 C481 C482 C483 C486 C492 C532 C622 C626 C630 C634 C635 C638 C639 C541 C542 C543 C545 C546 C547 C555 C556 C557 C561 C563 C565 C567 C568 C569 C570 C672 C674 C675 C676 C678 C679 C580 C583 C584 C585 C587 C588 C589 C590 C591 C592 C693 C594 C595 C596 C598 C700 C701 C703 C708 C733 C743 C746 C748 C753 C755 C761 C762 C763 C777 C778 C781 C782 C783 C784 C789 C792 C805 C809 C816 C817 C818 C819 C820 C821 C822	120009030060-R	0.1uF	CAP CERAMIC 0.1uF 16V 10% X7R 0402	MURATA	GRM155R71C104KA8D
2	9	G2 C4 C5 C166 C360 C744 C745 C897 C908	120011010016-R	22uF	CAP CERAMIC 22uF 25V 10% X7R 1210	MURATA	GRM32ER71E226KE15L
3	1	C6	120014110007-R	100uF 10V	CAP TANTALUM 100uF 10V 20% ESR 3E B3528	KEMET	T49I1B107M010AT
4	11	C7 C73 C76 C95 C414 C4737 C738 C739 C801 C802 C803	120009030191-R	10uF	CAP CERAMIC 10uF 25V 20% X7R 1210	TDK CORPORATION	C123X7R1E100M
5	2	C8 C9	120014110009-R	10000uF 50V	CAP CERAMIC 10000uF 50V 10% X7R 0402	YAGEO	CY4002RX7R98BB103
6	16	C10 C11 C16 C24 C4 C43 C303 C315 C381 C388 C448 C494 C415 C548 C582 C735	120010110025-R	22uF	CAP CERAMIC 22uF 16V 10% X5R 0805	TDK CORPORATION	C2012X5R1C226K
7	14	C14 C18 C24 C39 C103 C118 C129 C130 C167 C452 C726 C734 C740 C784	120011100014-R	0.1uF	CAP CERAMIC 0.1uF 50V 10% X7R 0402	TDK CORPORATION	C1005X7R1H104K
8	47	C15 C19 C31 C34 C57 C59 C66 C73 C88 C201 C206 C213 C240 C254 C265 C276 C282 C287 C291 C305 C384 C385 C387 C389 C390 C396 C401 C409 C411 C418 C419 C423 C550 C552 C560 C612 C632 C648 C659 C666 C687 C699 C741 C758 C778 C794 C810	120014050010-R	1uF	CAP CERAMIC 1uF 10V 10% X5R 0402	AVX CORPORATION	04022D16KAT2A
9	1	C20	120009030203-R	2.2uF	CAP CERAMIC 2.2uF 25V 10% X7R 1210	KEMET	C1210K225K3RACU
10	11	C21 C216 C137 C158 C160 C163 C392 C439 C457 C469 C505	120014030032-R	2.2uF	CAP CERAMIC 2.2uF 16V 20% X5R 0402	TDK CORPORATION	C1005X5R1C225K050BC
11	1	C22	12001110013-R	22uF 35V	CAP TANTALUM 22uF 35V 20% ESR 25mE E7343	AVX CORPORATION	TPME22M035R0025
12	1	G33	120009030526-R	100uF 35V	CAP ELECTROLYTIC 100uF 35V 20% D8C4SE 6666	PANASONIC-ECG	EE-4FV101XP
13	3	C25 C24 C78	120009030154-R	1000uF 50V	CAP CERAMIC 1000uF 50V 10% X7R 0402	YENKELL	C0402X7R09-102NKE
14	4	C27 C104 C774 C806	120009030233-R	15uF	CAP CERAMIC 15uF 50V 5% NPO 0402	PANASONIC-ECG	ECJ-4EC1H1301
15	12	C29 C72 C80 C127 C132 C220 C232 C233 C234 C334 C335 C407	120009030322-R	22uF	CAP CERAMIC 22uF 25V 5% NPO 0402	AVX CORPORATION	04023A20JAT2A
16	4	C32 C36 C37 C38	120011010017-R	1uF	CAP CERAMIC 1uF 25V 10% X7R 0603	MURATA	GRM188R71E105KA12D
17	132	C33 C79 C92 C93 C94 C133 C257 C273 C284 C297 C298 C299 C300 C301 C302 C304 C306 C307 C309 C318 C320 C322 C323 C396 C397 C399 C403 C404 C408 C415 C435 C441 C442 C443 C444 C445 C449 C450 C453 C456 C462 C465 C473 C474 C475 C477 C478 C488 C489 C490 C491 C495 C496 C501 C502 C503 C506 C507 C508 C509 C511 C512 C513 C514 C516 C517 C518 C519 C520 C522 C523 C524 C528 C529 C530 C531 C533 C541 C542 C543 C544 C545 C547 C548 C555 C559 C563 C568 C569 C570 C71 C579 C580 C581 C583 C584 C589 C602 C603 C604 C605 C606 C607 C608 C633 C649 C650 C651 C653 C654 C671 C673 C681 C686 C704 C706 C707 C710 C756 C757 C775 C776 C785 C786 C790 C791 C798 C799 C800 C812 C813 C815	120009030302-R	0.01uF	CAP CERAMIC 0.01uF 16V 10% X7R 0402	PANASONIC-ECG	ECJ-0EB1C103K
18	5	C45 C36 C37 C38 C39	120009E+11	0.47uF	CAP CERAMIC 0.47uF 25V 10% X7R 0603	MURATA	GRM188R71E474KA12D
19	12	C46 C49 C491 C172 C177 C189 C204 C205 C214 C227 C267 C585	120009E+11	100uF	CAP CERAMIC 100uF 10V 20% X5R 1210	TAIYO YUDEN	LMK3250107MM-T
20	2	C51 C48	120009030210-R	120uF	CAP POLYMER 120uF 16V 20% ECASE 8303	NICHICON	PJCU1212MCL1G5
21	2	C52 C53	120009030241-R	18uF	CAP CERAMIC 18uF 50V 5% NPO 0402	AVX CORPORATION	04025A180JAT2A
22	2	C54 C60	120009E+11	33uF	CAP CERAMIC 33uF 50V 5% NPO 0603	YAGEO AMERICA	CY4005GNPN098N330
23	1	C56	120010030006-R	0.01uF	CAP CERAMIC 0.01uF 16V 10% X7R 0402	PANASONIC-ECG	ECJ-4EB1C103K
24	1	C63	120009030502-R	6200uF	CAP CERAMIC 6200uF 10V 10% X7R 0402	KEMET	C0402C322K4RACU
25	15	C69 C100 C105 C113 C146 C222 C288 C350 C355 C356 C711 C713 C717 C720 C723	120011050004-R	4.7uF	CAP CERAMIC 4.7uF 16V 10% X5R 0603	TAIYO YUDEN	EMK107AB473KA-T
26	14	C70 C102 C180 C184 C202 C210 C216 C217 C219 C249 C250 C256 C253 C293	120011010015-R	0.01uF	CAP CERAMIC 0.01uF 10V 10% X5R 0001	TDK CORPORATION	04003X5R1A103K
27	31	C81 C111 C123 C140 C142 C148 C154 C169 C233 C239 C255 C256 C292 C296 C310 C316 C324 C325 C326 C330 C336 C337 C438 C439 C436 C362 C369 C457 C702 C709 C759	120011040011-R	10uF	CAP CERAMIC 10uF 16V 10% X5R 0805	AVX CORPORATION	0805YD106KAT2A
28	1	C91	120011070007-R	3.3uF	CAP CERAMIC 3.3uF 6.3V 10% X5R 0603	TDK CORPORATION	C1608X5R10533K6
29	1	C101	120010120021-R	330uF 6.3V	CAP TANTALUM 330uF 6.3V 20% ESR 10mE D7343-31	KEMET	T5300337M006ATE010
30	6	C107 C108 C136 C468 C485 C498	120009030424-R	4.7uF	CAP CERAMIC 4.7uF 25V 10% X5R 1206	AVX CORPORATION	12063D475KAT2A
31	70	C110 C112 C114 C121 C124 C125 C126 C137 C138 C141 C149 C150 C151 C152 C155 C161 C164 C178 C179 C185 C187 C224 C225 C229 C230 C231 C357 C398 C365 C366 C440 C446 C455 C464 C466 C471 C472 C476 C484 C487 C493 C500 C504 C510 C521 C534 C537 C540 C541 C543 C565 C738 C595 C596 C598 C599 C601 C609 C610 C712 C714 C715 C716 C718 C719 C721 C722 C724 C725 C759	120009E+11	0.1uF	CAP CERAMIC 0.1uF 25V -20% TO +80 V5R 0402	MURATA	GRM155R71E104ZA01D
32	5	C135 C227 C242 C433 C444	120011060001-R	47uF	CAP CERAMIC 47uF 16V 20% X5R 1206	TDK CORPORATION	C216X5R103470M
33	3	C144 C145 C417	120009E+11	0.22uF	CAP CERAMIC 0.22uF 10V 10% X5R 0402	MURATA	GRM155R61A224KE19D
34	1	C168	120011040005-R	8.2uF	CAP CERAMIC 8.2uF 50V 5% C0G 0402	JOHANSSON TECHNOLOGY	500R0758R2CV-4T
35	90	C174 C175 C176 C181 C182 C183 C188 C190 C191 C192 C193 C194 C195 C196 C197 C198 C199 C200 C203 C208 C209 C211 C212 C215 C218 C221 C226 C228 C237 C242 C243 C244 C246 C247 C248 C252 C253 C259 C260 C261 C263 C255 C527 C535 C536 C538 C539 C549 C551 C553 C556 C557 C558 C560 C562 C564 C566 C567 C572 C573 C574 C575 C576 C577 C586 C587 C588 C590 C591 C592 C593 C594 C597 C611 C613 C614 C615 C616 C617 C618 C619 C620 C621 C623 C624 C625 C627 C628 C631 C760	120009E+11	0.1uF	CAP CERAMIC 0.1uF 10V 10% X5R 0001	TAIYO YUDEN	LMK06301010RP-F
36	2	C207 C251	1200105E+11	1uF	CAP CERAMIC 1uF 2.5V 20% X7R 0204	MURATA	L11153K7R050ME21
37	1	C235	120014060013-R	4.7uF	CAP CERAMIC 4.7uF 50V 20% X5R 0805	TDK CORPORATION	C2012X5R1H475M
38	1	C254	120009030451-R	470uF	CAP CERAMIC 470uF 50V 10% X7R 0402	AVX CORPORATION	0402C471KAT2A
39	2	C262 C269	120009030166-R	100uF	CAP CERAMIC 100uF 16V 10% X7R 0603	AVX CORPORATION	0603Y1010KAT2A
40	2	C271 C276	120014110006-R	5uF	CAP CERAMIC 5uF 50V 5% NPO 0402	YAGEO AMERICA	CY4002GNPN098N330
41	2	C283 C295	120009030215-R	12uF	CAP CERAMIC 12uF 50V 5% NPO 0402	AVX CORPORATION	04025A120JAT2A
42	4	C313 C314 C317 C321	120014070037-R	100uF	CAP CERAMIC 100uF 25V 10% NPO 0402	KEMET	C0402C101K6ACU
43	4	C352 C353 C752 C754	120014070039-R	3.3uF	CAP CERAMIC 3.3uF 10V 10% X5R 0603	TDK CORPORATION	C1608X5R1A133K080AC
44	1	C386	120009E+11	1000uF	CAP CERAMIC 1000uF 50V 5% NPO 0402	MURATA	GRM155C1H102JAG1D
45	1	C451	120009E+11	330uF	CAP CERAMIC 330uF 50V 5% NPO 0402	MURATA	C0402C101K6ACU
46	2	C742 C811	120011100005-R	3300uF	CAP CERAMIC 3300uF 50V 5% X7R 0805	MURATA	GRM2168R7H332JAG1D
47	1	C795	12001500202-R	3.3uF	CAP CERAMIC 3.3uF 6.3V 20% X5R 0402	TDK CORPORATION	C1005X5R0135M0020BC
48	1	C796	120009030426-R	4.7uF	CAP CERAMIC 4.7uF 6.3V 10% X5R 0603	KEMET	C0603C4758R9ACU
49	1	C797	120015002003-R	0.33uF	CAP CERAMIC 0.33uF 6.3V 20% JB 0201	TDK CORPORATION	C0603R080334M030BC
50	2	C824 C826	120013030001-R	0.1uF	CAP CERAMIC 0.1uF 100V 10% X7R 0603	YAGEO AMERICA	CY360K3R8X70BB104
51	1	C825	120011200008-R	22uF 100V	CAP ELECTROLYTIC 22uF 100V 20% GCASE 102103	PANASONIC-ECG	EEE-HA2AG2P
52	1	C826	12001400024-R	15V 40V 1A	IC LOW VOLTAGE ADJUSTABLE PRECISION SHUNT REGULATORS SOT23-5	TEXAS INSTRUMENTS	TPS40100-DRVR
53	1	D1	1300010120033-R	B540C-13-F	DIODE SCHOTTKY 40V 5A SMC	DIODES INC	B540C-13-F
54	1	D4	130014060020-R	MMSD103T1G	DIODE SWITCHING 250V 0.2A SOD123	ON SEMICONDUCTOR	MMSD103T1G
55	1	D5	130011010038-R	B240A-13-F	DIODE SCHOTTKY RECTIFIER 40V 2A SMD	DIODES INC	B240A-13-F
56	8	D6 D7 D8 D9 D10 D11 D12 D13	130014110022-R	TPD1E10860DPY	DIODE 1CH LSP PROTECTION SMD(0402)	TEXAS INSTRUMENTS	TPD1E10860DPY
57	2	D14 D15	130015070018-R	TPD2E1830DRTR	DIODE 2-CHANNEL LSP PROTECTION DIODES SOT-3	TEXAS INSTRUMENTS	TPD2E1830DRTR
58	1	D17	130015100009-R	SMC-R64CA	DIODE TVS BI-DIE 1500V 64V SMC	LITTLE FUSE	SMC-R64CA
59	1	D18	130010120013-R	BZT52C-13S	DIODE ZENER 13V 200mW SOD323	DIODES INC	BZT52C-13S-F
60	1	D19	130009E+11	S14C-13-F	DIODE RECTIFIER 40V 1A SMD	DIODES INC	S14C-13-F
61	1	F2	130012030044-R	5A	FUSE 5A 32V 1206	LITTLE FUSE	0400055WR
62	4	FBI FB35 FB38 FB39	130014060028-R	300E	IND FERRITE CHIP 300E 500mA 0603	TDK CORPORATION	MMZ1608R301A
63	32	FB2 FB5 FB7 FB8 FB13 FB14 FB15 FB17 FB19 FB20 FB21 FB23 FB24 FB25 FB27 FB28 FB29 FB32 FB33 FB34 FB41 FB42 FB43 FB44 FB45 FB46 FB47 FB48 FB49 FB53 FB52 FB53	130011070007-R	120E	IND BEAD CHIP 120E 1.2A 0402	TDK CORPORATION	MPZ1005S121C
64	4	FB11 FB26 FB37 FB40	130009E+11	10E	IND FERRITE BEAD CHIP 10E SMD	TDK CORPORATION	HB75ACB201209
65	2	FB26 FB33	130014000051-R	1K	PASSIVE FILTER CHIP 1K 250mA 0402	MURATA	BLM150H1002SN1D
66	4	FL1 FL2 FL6 FL11	13001060030-R	10K	FERRITE BEAD 120E 2A 0603	MURATA	BLM18EG11SN1D
67	2	FL3 FL5	130009030747-R	0.47uF	PASSIVE FILTER EMI 0.47uF 2A 0603	MURATA	NFM10P547480J3
68	3	FL7 FL8 FL19	130009E+11	670uF	PASSIVE FILTER EMI 670uF 0001-3	MURATA	NFL125P105K1C1D
69	4	FL13 FL14 FL15 FL16	130009E+11	50E	PASSIVE FILTER EMI 50E 3000MA 1206	MURATA	BLM131P5005N1L
70	1	FL19	130013030027-R	120E	FERRITE CHIP 120E 13A 0603	MURATA	BLM18KG121T1D1
71	1	J1	150012070001-R	CON MINI USB-B 3-F	CON MINI USB-B TYPE SPDS FEMALE RT TH	MOLEX	548109510
72	1	J2	150014020030-R	CON EDGE 30K2	CON EDGE 30K2 EDGE CARD SOCKET RA SMD	SAMTEC	MEC6-150-02-S-D-RA1-TR
73	1	J3	150011020010-R	CON PWRJACK3 RAPC722	CON POWER JACK 30V 1.5AMPIN-DIA MALE RT TH	SWITCHCRAFT	RAPC-722X
74	2	J4 J49	150011010025-R	HDR_6X1	CON HDR 6X1 2.54MM PITCH ST TH	TYCO ELECTRONICS	87224-6

75	1	J5	150014120003-R	CON36 PCI	CON PCI EXPRESS 36PDS SMD	FCI	10061913-100CLF
76	1	J6	150014110002-R	HDR_1X4	CON HDR 1X4 2.54MM PITCH ST TH	TE CONNECTIVITY	640454-4
77	1	J7	150011110024-R	HDR_2X2	CON HDR 7X2 2.54MM PITCH ST TH	SAMTEC	TSW-107-25-0-D
78	1	J8	150011090001-R	CON_10X2	CON 10X2 1.27MM PITCH MALE SMD	SAMTEC	FTB-110-51-S-D-06
79	9	J9 J11 J15 J16 J17 J44 J45 J46 J48	150011020004-R	HDR_3X1	CON HDR 3X1 2.54MM PITCH ST TH	YAGEO ELECTRONICS	FT224-3
80	15	J10 J11 J14 J25 J26 J27 J28 J29 J30 J39 J40 J41 J42 J43 J50	150009030246-R	HDR_2X1	CON HDR 2X1 2.54MM PITCH ST TH	MOLEX	22-03-2021
81	1	J11	150010100010-R	HDR_2X25	CON HDR 2X25 2.54MM PITCH ST TH	SAMTEC	TSW-125-26-T-D
82	1	J10	150009E-11	HDR_5X1	CON HDR 5X1 2.54MM PITCH ST TH	MOLEX	22-03-2051
83	1	J10	150009E-11	CON_PMC_30X2_F	CON PMC 30X2 0.50MM PITCH FEMALE ST SMD	SAMTEC	QSH-030-01-L-D-A
84	1	J21	150014110009-R	CON_FLEX_1X6	CON FLEX 1X6 686106014122	WURTH ELECTRONICS INC	686106014122
85	1	J22	150014110011-R	CON_FLEX_1X40	CON FLEX 1X40 62684-4011	FCI	62684-01100ALF
86	1	J23	150009E-11	CON_MUSB-B_5_F	CON MINI USB-B TYPE SPOS FEMALE RT SMD	MOLEX	54819-0572
87	1	J31	150014060029-R	CON_R45-14	CON R45 FEMALE 14POS RT TH	LENK-PP	1PG16314A4NL
88	2	J32 J33	150014050028-R	CON_AUDIO4CKA_SJ-3524-SMT	CON AUDIO JACK 4POS FEMALE RT SMD	CLIT INC	SA-3524-SMT-1
89	1	J34	150011100006-R	CON_PMC_20X2_F	CON PMC 20X2 0.50MM PITCH FEMALE ST SMD	SAMTEC	QSH-020-01-L-D-DP-A
90	1	J35	150015070016-R	CON_USB-A_87583-2010BLF	CON USB TYPE-A RECPT 4POS FLAG PCB FEMALE RT SMD	FCI	87583-2010BLF
91	1	J36	15001E-11	CON_HDMI_19X1	CON RECEPTACLE HDMI TYPE A RT SMD	FCI	10029449-001RLF
92	1	J37	150011090007-R	CON_SDCARD_8_DM3AT-SF-PE1M5	CON SD CARD PUSH/POSH 8PDS SMD	HIROSE ELECTRIC EUROPE	DM3AT-SF-PE1M5
93	1	J38	150010120013-R	CON_USB-AB_5_M	CON RECEPTACLE USB 3PDS MALE RT SMD	HBS	ZX62-AB-5PA(11)
94	1	J39	150014000037-R	HDR_2X50	CON HDR 2X50 2.54MM PITCH ST TH	SAMTEC	TSW-150-26-T-D
95	1	J1	150009030559-R	22uH	IND POWER 2.2uH 2.5A 30% SMD	COIL TRONICS	DR1040-220R
96	1	J2	150013060021-R	2.2uH	IND CHIP COIL 2.2uH 30% 100R	MURATA	LCQ42HPN302M30
97	1	J3	150010060031-R	3.3uH	IND COIL 3.3uH 16A 20% SMD	SUSUMU	PCM30104T-3R3MS
98	1	J4	150011000151-R	2.7uH	IND POWER 2.7uH 20% 12.8A SMD	COIL CRAFT	XAL7030-272MEB
99	3	J5 L5 L6 L7	150010060006-R	2.2uH	IND POWER 2.2uH 2.6A 30% SMD	TDR CORPORATION	VLCS2020T-2R2N2B6-3
100	1	J6	150010050102-R	4.7uH	IND POWER 4.7uH 1.7A 30% SMD	TDR CORPORATION	VLCS2020T-4R7N1R1-1
101	2	J5 L10	150010060018-R	2.2uH	IND POWER 2.2uH 61A 20% SMD	EPCOS	B62476A1222M
102	2	L1 L12	150010060008-R	47uH	IND CHOKER 47uH SMD	COIL CRAFT	0805USB-001MLB
103	5	L1 L2 L3 L13 L14 L15	150014050096-R	598-8140-107F	LED ALINGAP YELLOW CLEAR 0805 SMD	DIALIGHT	598-8140-107F
104	6	L106 L127 L128 L129 L130 L131 L132	150014050095-R	598-8170-107F	LED ALINGAP GREEN CLEAR 0805 SMD	DIALIGHT	598-8170-107F
105	2	L11 L13	150014050098-R	598-8191-107F	LED ALINGAP BLUE CLEAR 0805 SMD	DIALIGHT	598-8191-107F
106	2	L14 L15	150014050099-R	598-8110-107F	LED ALINGAP RED CLEAR 0805 SMD	DIALIGHT	598-8110-107F
107	1	M07	180014100012-R	NH0-C-12832ALZ-NSW-BBW-3V3	MODULE LCD COG CHAR 128x32 WHITE BACKLIGHT WITH TRANSPARENT TH	NEUHAUSEN	NH0-C-12832ALZ-NSW-BBW-3V3
108	3	P1 P2 P3	150009030924-R	CON_DS18B_9_M	CON DS18B18 9POS MALE RT TH	NORCOMP	185-400-1138351
109	10	Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q14 Q15 Q19	142009070015-R	BSS138	IC MOSFET N-CHANNEL .50V 20mA SOT23-3	DIODES INC	BSS138-7
110	1	Q13	142014060010-R	FTD434P	IC MOSFET P-CHANNEL .20V 6A SOT-223	FAIRCHILD	FTD434P
111	1	Q80	142015100008-R	SUM60N10-17-E3	IC POWER MOSFET N-CHANNEL D2PAK	VISHAY	SUM60N10-17-E3
112	36	R2 R4 R132 R134 R135 R319 R326 R328 R336 R343 R348 R351 R555 R571 R576 R577 R591 R494 R504 R550 R557 R565 R636 R641 R645 R646 R661 R663 R705 R706 R709 R766 R782 R786 R844 R845 R846 R847 R848 R849 R850 R851 R852 R853 R854 R855 R856 R57 R67 R75 R85 R101 R102 R105 R111 R119 R123 R131 R150 R168 R176 R180 R184 R185 R188 R191 R193 R196 R198 R199 R202 R204 R218 R219 R224 R225 R238 R239 R240 R242 R248 R251 R252 R253 R254 R255 R259 R260 R262 R264 R268 R269 R271 R273 R274 R275 R276 R277 R278 R280 R281 R282 R286 R287 R288 R289 R291 R292 R294 R299 R300 R302 R304 R310 R312 R313 R315 R316 R318 R333 R335 R379 R429 R455 R474 R475 R478 R479 R483 R485 R487 R491 R492 R498 R501 R503 R520 R531 R533 R534 R541 R556 R570 R577 R594 R598 R601 R604 R613 R614 R615 R617 R625 R633 R637 R638 R640 R643 R647 R650 R658 R660 R662 R664 R665 R668 R677 R689 R694 R697 R701 R702 R723 R726 R727 R742 R745 R756 R757 R737 R741 R742 R743 R745 R746 R747 R748 R750 R755 R759 R760 R761 R767 R776 R777 R778 R779 R780 R785 R783 R796 R802 R809 R812 R813 R825 R827 R829 R830 R832 R833 R834 R835 R836 R837 R838 R839 R840 R841 R843 R846 R847 R848 R849 R850 R852 R854 R855 R859 R860 R861 R862 R863 R865 R867 R868 R869 R870 R871 R872 R873 R874 R881 R882 R883 R884 R886 R887 R889 R893 R899 R900 R902 R903 R904 R905 R910 R912 R915 R914 R915 R916 R917 R918 R919 R920 R921 R922 R923 R924 R930 R941 R942 R948 R949 R950 R951 R959 R960 R961 R962 R963 R965 R967 R969 R970 R971 R972 R973 R974 R975 R976 R977 R978 R979 R980 R981 R982 R983 R984 R985 R986 R987 R988 R989 R990 R991 R992 R993 R994 R995 R996 R997 R998 R999 R1000 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011 R1012 R1013 R1014 R1015 R1016 R1017 R1018 R1019 R1020 R1021 R1022 R1023 R1024 R1025 R1026 R1027 R1028 R1029 R1030 R1031 R1032 R1033 R1034 R1035 R1036 R1037 R1038 R1039 R1040 R1041 R1042 R1043 R1044 R1045 R1046 R1047 R1048 R1049 R1050 R1051 R1052 R1053 R1054 R1055 R1056 R1057 R1058 R1059 R1060 R1061 R1062 R1063 R1064 R1065 R1066 R1067 R1068 R1069 R1070 R1071 R1072 R1073 R1074 R1075 R1076 R1077 R1078 R1079 R1080 R1081 R1082 R1083 R1084 R1085 R1086 R1087 R1088 R1089 R1090 R1091 R1092 R1093 R1094 R1095 R1096 R1097 R1098 R1099 R1100 R1101 R1102 R1103 R1104 R1105 R1106 R1107 R1108 R1109 R1110 R1111 R1112 R1113 R1114 R1115 R1116 R1117 R1118 R1119 R1120 R1121 R1122 R1123 R1124 R1125 R1126 R1127 R1128 R1129 R1130 R1131 R1132 R1133 R1134 R1135 R1136 R1137 R1138 R1139 R1140 R1141 R1142 R1143 R1144 R1145 R1146 R1147 R1148 R1149 R1150 R1151 R1152 R1153 R1154 R1155 R1156 R1157 R1158 R1159 R1160 R1161 R1162 R1163 R1164 R1165 R1166 R1167 R1168 R1169 R1170 R1171 R1172 R1173 R1174 R1175 R1176 R1177 R1178 R1179 R1180 R1181 R1182 R1183 R1184 R1185 R1186 R1187 R1188 R1189 R1190 R1191 R1192 R1193 R1194 R1195 R1196 R1197 R1198 R1199 R1200 R1201 R1202 R1203 R1204 R1205 R1206 R1207 R1208 R1209 R1210 R1211 R1212 R1213 R1214 R1215 R1216 R1217 R1218 R1219 R1220 R1221 R1222 R1223 R1224 R1225 R1226 R1227 R1228 R1229 R1230 R1231 R1232 R1233 R1234 R1235 R1236 R1237 R1238 R1239 R1240 R1241 R1242 R1243 R1244 R1245 R1246 R1247 R1248 R1249 R1250 R1251 R1252 R1253 R1254 R1255 R1256 R1257 R1258 R1259 R1260 R1261 R1262 R1263 R1264 R1265 R1266 R1267 R1268 R1269 R1270 R1271 R1272 R1273 R1274 R1275 R1276 R1277 R1278 R1279 R1280 R1281 R1282 R1283 R1284 R1285 R1286 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1296 R1297 R1298 R1299 R1300 R1301 R1302 R1303 R1304 R1305 R1306 R1307 R1308 R1309 R1310 R1311 R1312 R1313 R1314 R1315 R1316 R1317 R1318 R1319 R1320 R1321 R1322 R1323 R1324 R1325 R1326 R1327 R1328 R1329 R1330 R1331 R1332 R1333 R1334 R1335 R1336 R1337 R1338 R1339 R1340 R1341 R1342 R1343 R1344 R1345 R1346 R1347 R1348 R1349 R1350 R1351 R1352 R1353 R1354 R1355 R1356 R1357 R1358 R1359 R1360 R1361 R1362 R1363 R1364 R1365 R1366 R1367 R1368 R1369 R1370 R1371 R1372 R1373 R1374 R1375 R1376 R1377 R1378 R1379 R1380 R1381 R1382 R1383 R1384 R1385 R1386 R1387 R1388 R1389 R1390 R1391 R1392 R1393 R1394 R1395 R1396 R1397 R1398 R1399 R1400 R1401 R1402 R1403 R1404 R1405 R1406 R1407 R1408 R1409 R1410 R1411 R1412 R1413 R1414 R1415 R1416 R1417 R1418 R1419 R1420 R1421 R1422 R1423 R1424 R1425 R1426 R1427 R1428 R1429 R1430 R1431 R1432 R1433 R1434 R1435 R1436 R1437 R1438 R1439 R1440 R1441 R1442 R1443 R1444 R1445 R1446 R1447 R1448 R1449 R1450 R1451 R1452 R1453 R1454 R1455 R1456 R1457 R1458 R1459 R1460 R1461 R1462 R1463 R1464 R1465 R1466 R1467 R1468 R1469 R1470 R1471 R1472 R1473 R1474 R1475 R1476 R1477 R1478 R1479 R1480 R1481 R1482 R1483 R1484 R1485 R1486 R1487 R1488 R1489 R1490 R1491 R1492 R1493 R1494 R1495 R1496 R1497 R1498 R1499 R1500 R1501 R1502 R1503 R1504 R1505 R1506 R1507 R1508 R1509 R1510 R1511 R1512 R1513 R1514 R1515 R1516 R1517 R1518 R1519 R1520 R1521 R1522 R1523 R1524 R1525 R1526 R1527 R1528 R1529 R1530 R1531 R1532 R1533 R1534 R1535 R1536 R1537 R1538 R1539 R1540 R1541 R1542 R1543 R1544 R1545 R1546 R1547 R1548 R1549 R1550 R1551 R1552 R1553 R1554 R1555 R1556 R1557 R1558 R1559 R1560 R1561 R1562 R1563 R1564 R1565 R1566 R1567 R1568 R1569 R1570 R1571 R1572 R1573 R1574 R1575 R1576 R1577 R1578 R1579 R1580 R1581 R1582 R1583 R1584 R1585 R1586 R1587 R1588 R1589 R1590 R1591 R1592 R1593 R1594 R1595 R1596 R1597 R1598 R1599 R1600 R1601 R1602 R1603 R1604 R1605 R1606 R1607 R1608 R1609 R1610 R1611 R1612 R1613 R1614 R1615 R1616 R1617 R1618 R1619 R1620 R1621 R1622 R1623 R1624 R1625 R1626 R1627 R1628 R1629 R1630 R1631 R1632 R1633 R1634 R1635 R1636 R1637 R1638 R1639 R1640 R1641 R1642 R1643 R1644 R1645 R1646 R1647 R1648 R1649 R1650 R1651 R1652 R1653 R1654 R1655 R1656 R1657 R1658 R1659 R1660 R1661 R1662 R1663 R1664 R1665 R1666 R1667 R1668 R1669 R1670 R1671 R1672 R1673 R1674 R1675 R1676 R1677 R1678 R1679 R1680 R1681 R1682 R1683 R1684 R1685 R1686 R1687 R1688 R1689 R1690 R1691 R1692 R1693 R1694 R1695 R1696 R1697 R1698 R1699 R1700 R1701 R1702 R1703 R1704 R1705 R1706 R1707 R1708 R1709 R1710 R1711 R1712 R1713 R1714 R1715 R1716 R1717 R1718 R1719 R1720 R1721 R1722 R1723 R1724 R1725 R1726 R1727 R1728 R1729 R1730 R1731 R1732 R1733 R1734 R1735 R1736 R1737 R1738 R1739 R1740 R1741 R1742 R1743 R1744 R1745 R1746 R1747 R1748 R1749 R1750 R1751 R1752 R1753 R1754 R1755 R1756 R1757 R1758 R1759 R1760 R1761 R1762 R1763 R1764 R1765 R1766 R1767 R1768 R1769 R1770 R1771 R1772 R1773 R1774 R1775 R1776 R1777 R1778 R1779 R1780 R1781 R1782 R1783 R1784 R1785 R1786 R1787 R1788 R1789 R1790 R1791 R1792 R1793 R1794 R1795 R1796 R1797 R1798 R1799 R1800 R1801 R1802 R1803 R1804 R1805 R1806 R1807 R1808 R1809 R1810 R1811 R1812 R1813 R1814 R1815 R1816 R1817 R1818 R1819 R1820 R1821 R1822 R1823 R1824 R1825 R1826 R1827 R1828 R1829 R1830 R1831 R1832 R1833 R1834 R1835 R1836 R1837 R1838 R1839 R1840 R1841 R1842 R1843 R1844 R1845 R1846 R1847 R1848 R1849 R1850 R1851 R1852 R1853 R1854 R1855 R1856 R1857 R1858 R1859 R1860 R1861 R1862 R1863 R1864 R1865 R1866 R1867 R1868 R1869 R1870 R1871 R1872 R1873 R1874 R1875 R1876 R1877 R1878 R1879 R1880 R1881 R1882 R1883 R1884 R1885 R1886 R1887 R1888 R1889 R1890 R1891 R1892 R1893 R1894 R1895 R1896 R1897 R1898 R1899 R1900 R1901 R1902 R1903 R1904 R1905 R1906 R1907 R1908 R1909 R1910 R1911 R1912 R1913 R1914 R1915 R1916 R1917 R1918 R1919 R1920 R1921 R1922 R1923 R1924 R1925 R1926 R1927 R1928 R1929 R1930 R1931 R1932 R1933 R1934 R1935 R1936 R1937 R1938 R1939 R1940 R1941 R1942 R1943 R1944 R1945 R1946 R1947 R1948 R1949 R1950 R1951 R1952 R1953 R1954 R1955 R1956 R1957 R1958 R1959 R1960 R1961 R1962 R1963 R1964 R1965 R1966 R1967 R1968 R1969 R1970 R1971 R1972 R1973 R1974 R1975 R1976 R1977 R1978 R1979 R1980 R1981 R1982 R1983 R1984 R1985 R1986 R1987 R1988 R1989 R1990 R1991 R1992 R1993 R1994 R1995 R1996 R1997 R1998 R1999 R2000 R2001 R2002 R2003 R2004 R2005 R2006 R2007 R2008 R2009 R2010 R2011 R2012 R2013 R2014 R2015 R2016 R2017 R2018 R2019 R2020 R2021 R2022 R2023 R2024 R2025 R2026 R2027 R2028 R2029 R2030 R2031 R2032 R2033 R2034 R2035 R2036 R2037 R2038 R2039 R2040 R2041 R2042 R2043 R2044 R2045 R2046 R2047 R2048 R2049 R2050 R2051 R2052 R2053 R2054 R2055 R2056 R2057 R2058 R2059 R2060 R2061 R2062 R2063 R2064 R2065 R2066 R2067 R2068 R2069 R2070 R2071 R2072 R2073 R2074 R2075 R2076 R2077 R2078 R2079 R2080 R2081 R2082 R2083 R2084 R2085 R2086 R2087 R2088 R2089 R2090 R2091 R2092 R2093 R2094 R2095 R2096 R2097 R2098 R2099 R2100 R2101 R2102 R2103 R2104 R2105 R2106 R2107 R2108 R2109 R2110 R2111 R2112 R2113 R2114 R2115 R2116 R2117 R2118 R2119 R2120 R2121 R2122 R2123 R2124 R2125 R2126 R2127 R2128 R2129 R2130 R2131 R2132 R2133 R2134 R2135 R2136 R2137 R2138 R2139 R2140 R2141 R2142 R2143 R2144 R2145 R2146 R2147 R2148 R2149 R2150 R2151 R2152 R2153 R2154 R2155 R2156 R2157 R2158 R2159 R2160 R2161 R2162 R2163 R2164 R2165 R2166 R2167 R2168 R2169 R2170 R2171 R2172 R2173 R2174 R2175 R2176 R2177 R2178 R2179 R2180 R2181 R2182 R2183 R2184 R2185 R2186 R2187 R2188 R2189 R2190 R2191 R2192 R2193 R2194 R2195 R2196 R2197 R2198 R2199 R2200 R2201 R2202 R2203 R2204 R2205 R2206 R2207 R2208 R2209 R2210 R2211 R2212 R2213 R2214 R2215 R2216 R2217 R2218 R2219 R2220 R2221 R2222 R2223 R2224 R2225 R2226 R2227 R2228 R2229 R2230 R2231 R2232 R2233 R2234 R2235 R2236 R2237 R2238 R2239 R2240 R2241 R2242 R2243 R2244 R2245 R2246 R2247 R2248 R2249 R2250 R2251 R2252 R2253 R2254 R2255 R2256 R2257 R2258 R2259 R2260 R2261 R2262 R2263 R2264 R2265 R2266 R2267 R2268 R2269 R2270 R2271 R2272 R2273 R2274 R2275 R2276 R2277 R2278 R2279 R2280 R2281 R2282 R2283 R2284 R2285 R2286 R2287 R2288 R2289 R2290 R2291 R2292 R2293 R2294 R2295 R2296 R2297 R2298 R2299 R2300 R2301 R2302 R2303 R2304 R2305 R2306 R2307 R2308 R2309 R2310 R2311 R2312 R2313 R2314 R2315 R2316 R2317 R2318 R2319 R2320 R2321 R2322 R2323 R2324 R2325 R2326 R2327 R2328 R2329 R2330 R2331 R2332 R2333 R2334 R2335 R2336 R2337 R2338 R2339 R2340 R2341 R2342 R2343 R2344 R2345 R2346 R2347 R2348 R2349 R2350 R2351 R2352 R2353 R2354 R2355 R2356 R2357 R2358 R2359 R2360 R2361 R2362 R2363 R2364 R2365 R2366 R2367 R2368 R2369 R2370 R2371 R2372 R2373 R2374 R2375 R2376 R2377 R2378 R2379 R2380 R2381 R2382 R2383 R2384 R2385 R2386 R2387 R2388 R2389 R2390 R2391 R2392 R2393 R2394 R2395 R2396 R2397 R2398 R2399 R2400 R2401 R2402 R2403 R2404 R2405 R2406 R2407 R2408 R2409 R2410 R2411 R2412 R2413 R2414 R2415 R2416 R2417 R2418 R2419 R2420 R2421 R2422 R2423 R2424 R2425 R2426 R2427 R2428 R2429 R2430 R2431 R2432 R2433 R2434 R2435 R24					

170	2	R020 R021	110009030884-P	47K 1%	RES 47K 1/16W 1% 0402	YAGEO AMERICA	RG0402R-0747KL
171	2	R023 R026	11001509016-R	10K	RES 10K 23W 5% 1206	PANASONIC	ERJ-PB0103Y
172	9	RA1 RA2 RA3 RA4 RA5 RA11 RA12 RA13 RA14	110009030021-E	23K	RES ARRAY 23K 310W 5% 0402	PANASONIC-ECG	EXB-2BV2301X
173	3	RA6 RA7 RA10	110009030002-R	0E	RES ARRAY 0E 310W 0402	PANASONIC-ECG	EXB-N1V0000X
174	2	RA8 RA9	110009030004-R	0E	RES ARRAY 0E 0402	PANASONIC-ECG	EXB-2HV0000V
175	1	RA16	110009030016-R	1K	RES ARRAY 1K 310W 5% 0402	PANASONIC-ECG	EXB-2BV1021X
176	1	SW1	130006E-11	50A5SPM3QE	SWITCH SLIDE SPST TH	E-SWITCH	50A5SP102-GE
177	8	SW2 SW4 SW5 SW6 SW7 SW8 SW9 SW10	130014060032-R	B3SL-1022P	TACTILE SWITCH SPST-NO SMD	OMRON	B3SL-1022P
178	1	SW3	130011110008-R	GDWB4504	SWITCH DIP SLIDE SMD	TE CONNECTIVITY	GDWB4504
179	5	SW11 SW12 SW13 SW14 SW15	13001400014-R	SDAU1H1SBD	SWITCH DIP SPST LOW PROFILE SMD	OSK COMPONENTS	SDAU1H1SBD
180	1	U1	140014E-11	66AK202	IC ARM CORTX5 AND DSP 32 BIT MICROPROCESSOR BGA625	TEXAS INSTRUMENTS	66AK202
181	1	U2	142010120003-R	TPS380833DBVR	IC VOLT SUPERVISOR 3.3V SOT23-6	TEXAS INSTRUMENTS	TPS3808-33DBVR
182	3	U3 U73 U109	140111E-11	TPD45012DRVR	IC 3CH ESD SOLUTION S086	TEXAS INSTRUMENTS	TPD45012DRVR
183	8	U4 U47 U86 U89 U84 U86 U101 U144	141009070007-R	SN74LVC1604DCKR	IC SINGLE INVERTER GATE SC7W-5	TEXAS INSTRUMENTS	SN74LVC1604DCKR
184	9	U5 U36 U58 U73 U88 U91 U97 U106 U127	141009060026-R	SN74LVC1G08DBVR4	IC SINGLE 2-INPUT POSITIVE AND GATE SOT23-5	TEXAS INSTRUMENTS	SN74LVC1G08DBVR4
185	1	U6	142014100007-R	TPS650060R1ET	IC STEP-DOWN CONVERTER WITH DUAL LDO AND SVS WQFN16	TEXAS INSTRUMENTS	TPS650060R1ET
186	1	U7	142014110002-R	LM22675MR-ADJ/NOPB	IC 1A BUCK VOLTAGE REGULATOR S0IC-8	TEXAS INSTRUMENTS	LM22675MR-ADJ/NOPB
187	1	U8	142009080012-R	TPS79601DBR	IC ADJUSTABLE LDO VOLTAGE REGULATOR HIGH PSRR 1A SON8	TEXAS INSTRUMENTS	TPS79601DBR
188	1	U9	141015020025-R	MT48LC4M16A2B4-6AJ	IC SYNCHRONOUS DRAM FBGA54	MICRON	MT48LC4M16A2B4-6AJ
189	1	U10	142015020003-R	LP3905IM5-3.0/NOPB	IC MICROPOWER LOW NOISE LDO CMOS VOLTAGE REGULATORS 3V SOT23-5	TEXAS INSTRUMENTS	LP3905IM5-3.0/NOPB
190	1	U11	14111410004-R	IS25CD010-INLE	IC FLASH 1MBIT 10MHZ S0IC8	ISSI	IS25CD010-INLE
191	1	U12	142011E-11	XC2C64A-5VQ4C	IC COOLRUNNER II CPLD TQFP94	XILINX	XC2C64A-5VQ4C
192	1	U13	14101050010-R	MAX321CPWR	IC LINE DRIVER/RECEIVER SINGLE CHANNEL RS-232 TSSOP16	TEXAS INSTRUMENTS	MAX321CPWR
193	3	U14 U16 U95	141013120007-R	TCA951TDGKR	IC 2-CHANNEL I2C BUS REPEATER VSSOP8	TEXAS INSTRUMENTS	TCA951TDGKR
194	1	U17	141214100001-R	AM1802BZWTD3	IC PROCESSOR SITARA ARM 300MHZ BGA361	TEXAS INSTRUMENTS	AM1802BZWTD3
195	1	U18	TPS4620R0Y		IC BUCK SYNCHRONOUS STEP DOWN SWIFT CONVERTER QFN14	TEXAS INSTRUMENTS	TPS4620R0Y
196	1	U20	141214090006-R	TM4C129XNCZAD3	IC TIVA C SERIES MICROCONTROLLER NFBGA212	TEXAS INSTRUMENTS	TM4C129XNCZAD3
197	1	U21	130011030004-R	32768KHZ	OSC 32.768KHZ 3.3V SMD	ABRACON	ASEK-32.768KHZ-LRT
198	1	U22	142014070002-R	CSDB933QJ3D	IC SYNCHRONOUS BUCK NEXFET POWER BLOCK SON8	TEXAS INSTRUMENTS	CSDB933QJ3D
199	3	U27 U126 U130	14100903021-R	SN74LVC1G12DCKR	IC SINGLE 3-INPUT POSITIVE AND GATE SC7W-6	TEXAS INSTRUMENTS	SN74LVC1G12DCKR
200	6	U24 U33 U35 U41 U115 U132	143011040001-R	SN74AVC8T245HRL	IC BUS TRANSCEIVER 8-BIT DUAL-SUPPLY QFN24	TEXAS INSTRUMENTS	SN74AVC8T245HRL
201	1	U25	142014110008-R	LP2996AAB/NOPB	IC DDR TERMINATION REGULATOR PSOP8	TEXAS INSTRUMENTS	LP2996AAB/NOPB
202	5	U27 U39 U45 U49 U52	141114100002-P	MT41K512M0RH-125-E	IC 512MB DDR SDRAM FBGA76	MICRON	MT41K512M0RH-125-E
203	1	U29	141114100001-R	LM4C16G-510	IC NAND FLASH EMMC-16GB FBGA153	KINGSTON	EMMC-16G-510
204	8	U30 U31 U64 U69 U125 U126 U128 U136	141009030111-R	SN74AVC4T245PW	IC 4-BIT DUAL SUPPLY BUS TRANSCEIVER TSSOP16	TEXAS INSTRUMENTS	SN74AVC4T245PW
205	1	U32	TPS69118		IC POWER MANAGEMENT BGA98	TEXAS INSTRUMENTS	TPS69118
206	5	U34 U39 U122 U135 U137	141009030109-R	SN74AVC1T45DBVR	IC SINGLE-BIT DUAL-SUPPLY BUS TRANSCEIVER SOT23-6	TEXAS INSTRUMENTS	SN74AVC1T45DBVR
207	3	U37 U133 U134	140131100P4	TS3L110PW4	IC CMOB SPOT SWITCH 84-CHANNEL MULTIPLEXER/DEMULTIPLEXER TSSOP16	TEXAS INSTRUMENTS	TS3L110PW4
208	1	U38	141114100006-R	AT24CM01	IC SERIAL EEPROM TSSOP8	ATMEL	AT24CM01-XHD-T
209	1	U40	141114120003-R	N25Q128A13ESF40F	IC 128MB NOR FLASH MEMORY SOP2-16	MICRON	N25Q128A13ESF40F
210	5	U42 U43 U44 U46 U48	141011080019-R	INA226AIDGSR	IC 8-BIT DIRECTIONAL CURRENT MONITOR MSOP10	TEXAS INSTRUMENTS	INA226AIDGSR
211	1	U50	142014110007-R	TLV77085PQNT	IC LDO LINEAR REGULATOR 200mA 2V SMD	TEXAS INSTRUMENTS	TLV77085PQNT
212	1	U51	141013080010-R	TCA9553RTWR	IC I/O EXPANDER I2C BUS 16-BIT WQFN24	TEXAS INSTRUMENTS	TCA9553RTWR
213	1	U53	142009E-11	TPS61081DRCT	IC STEP-UP 1.3A DC/DC CONVERTER SON10	TEXAS INSTRUMENTS	TPS61081DRCT
214	2	U54 U57	142014060011-R	TPS2051BD	IC C POWER DISTRIBUTION SWITCH S0IC6	TEXAS INSTRUMENTS	TPS2051BD
215	1	U56	140114090011-R	CS2000P-CZZ	IC FRACTIONAL-N CLOCK SYNTHESIZER MSOP10	CIRRUS LOGIC	CS2000P-CZZ
216	1	U60	13001410017-R	20.000MHZ	OSC 20.000MHZ SMD	RAKON	E6718LF
217	1	U62	14101410002-R	CDC16C08V28GZT	IC CLOCK GENERATOR VQFN48	TEXAS INSTRUMENTS	CDC16C08V28GZT
218	7	U64 U76 U124 U129 U130 U146 U147	141009030261-R	SN74AVC1T245BSWR	IC 2-DUAL-BIT DUAL SUPPLY BUS TRANSCEIVER QFN10	TEXAS INSTRUMENTS	SN74AVC1T245BSWR
219	1	U67	143009030062-R	SN74AVCB164245VR	IC 16-BIT DUAL-SUPPLY BUS TRANSCEIVER TVSOP48	TEXAS INSTRUMENTS	SN74AVCB164245VR
220	1	U72	141114090005-R	S25FL512SAGMF1011	IC 512MBIT EEPROM S0IC16	SPANSION	S25FL512SAGMF1011
221	1	U74	141015070007-R	CP2105-F01-GM	IC SINGLE CHIP USB TO DUAL UART BRIDGE QFN24	SILICON LABS	CP2105-F01-GM
222	1	U75	13001410012-R	12.288MHZ	OSC 12.288MHZ SMD	CTS	C38-V-IC-12M2880
223	1	U78	142015020006-R	REF5025AIDGKT	IC PRECISION VOLTAGE REFERENCE 2.5V MSOP8	TEXAS INSTRUMENTS	REF5025AIDGKT
224	1	U79	141014100017-R	DAC8550IBDGKT	IC DAC 16-BIT ULTRA-LOW GLITCH OUTPUT VOLTAGE VSSOP8	TEXAS INSTRUMENTS	DAC8550IBDGKT
225	2	U81 U82	141014060009-R	SN74LVC3244ZKE8	IC 32-BIT BUFFER DRIVER WITH 3-STATE OUTPUTS LFBGA96	TEXAS INSTRUMENTS	SN74LVC3244ZKE8
226	1	U87	141114110001-R	MT29F222G-BABA1AWP-F	IC FLASH MEMORY 2-GBIT 1GBIT 3.3V TSO48	MICRON	MT29F222G-BABA1AWP-F
227	3	U88 U131 U140	141014060023-R	SN74LVC1G07DCK	IC SINGLE BUFFER/DRIVER SC-70	TEXAS INSTRUMENTS	SN74LVC1G07DCKR
228	2	U90 U94	141014100018-R	TPD4E05106-Q1	IC 4-CHANNEL PROTECTION SOLUTION FOR SUPER-SPEED US0N10	TEXAS INSTRUMENTS	TPD4E05106-Q1
229	1	U92	143014060002-R	KS25001RKNCA	IC ETHERNET TRANSCEIVER 10/100/1000 Mbps QFN48	MICREL	KS25001RKNCA
230	1	U93	141214070001-R	MAX3232ECD	IC MULTICHANNEL RS-232 LINE DRIVER/RECEIVER S0IC16	TEXAS INSTRUMENTS	MAX3232CD
231	1	U96	143010600003-R	TLV320AIC3106RGZT	IC LOW-POWER STEREO AUDIO CODEC VQFN48	TEXAS INSTRUMENTS	TLV320AIC3106RGZT
232	2	U98 U100	141010100003-R	ISO1090DUB	IC ISOLATED CAN TRANSCEIVER S0P8	TEXAS INSTRUMENTS	ISO1090DUB
233	1	U102	14101E-11	S08G22ACNU	IC HDMI TRANSMITTER QFN72	SILICON IMAGE	S08G22ACNU
234	1	U103	142014060014-R	TPS7171DCKR	IC LINEAR REGULATOR LDO 150mA SC70-5	TEXAS INSTRUMENTS	TPS7171DCKR
235	2	U104 U105	140114070012-R	PSM712	IC TVS ARRAY DATALINE 600W 43V SOT23	PROY-EK	PSM712
236	1	U107	140110090007-R	TPD2E001DRLR	IC ESD-PROTECTION ARRAY FOR HIGH SPEED DATA INTERFACES SOT-5	TEXAS INSTRUMENTS	TPD2E001DRLR
237	1	U108	140111E-11	TPD125010PWR	IC HDMI COMPANION CHIP TSSOP24	TEXAS INSTRUMENTS	TPD125010PWR
238	1	U111	140111E-11	TPD6E001RSE	IC 6CH ESD-PROTECTION ARRAY QFN10	TEXAS INSTRUMENTS	TPD6E001RSE
239	1	U112	141009070003-R	TMP102ADRILT	IC DIGITAL TEMPERATURE SENSOR WITH SERIAL INTERFACE SOT563-6	TEXAS INSTRUMENTS	TMP102ADRILT
240	2	U116 U141	14201420016-R	TPS54428ERSAR	IC SYNCHRONOUS STEP DOWN SWIFT 4.5A QFN16	TEXAS INSTRUMENTS	TPS54428ERSAR
241	2	U118 U119	142014090002-R	R1Z-3305-HP	IC R1Z DC/DC CONVERTER SMD6	RECOM	R1Z-1.305-HP
242	1	U123	142010200003-R	TPS2290VZTR	IC LOW INPUT VOLTAGE LOAD SWITCH WITH ULTRA-LOW Ron DSBGA4	TEXAS INSTRUMENTS	TPS2290VZTR
243	1	U139	141015040002-R	SN74CBT1G125DBVR	IC SWITCH BUS FET HIGH SPEED WITH LEVEL SHIFTER SOT23-5	TEXAS INSTRUMENTS	SN74CBT1G125DBVR
244	1	U142	141011100005-R	TXS0108EPWR	IC TRANSLATOR BIDIRECTIONAL VOLTAGE-LEVEL SHIFTER TSSOP20	TEXAS INSTRUMENTS	TXS0108EPWR
245	1	U149	142015100007-R	LM5960MMNOPB	IC CONTROLLER HIGH-SIDE PROTECTION VSSOP10	TEXAS INSTRUMENTS	LM5960MMNOPB
246	2	Y1 Y4	130009030095-P	32.768KHZ	CRY 32.768KHZ SMD	CRYSTAL UNITS	FC-135 32.7680KA-A3
247	2	Y2 Y6	130011110059-R	24MHZ	CRY 24MHZ 18pf SMD	ABRACON	ABRM9G-24.000MHZ-18-D2V-T
248	1	Y3	130014110014-R	25.000MHZ	CRY 25.000MHZ 8PF SMD	KVOCERA	CK1225B2500D0FFPCC
249	1	Y5	130014070003-R	23.5762MHZ	CRY 22.5762MHZ 18pf SMD	KVOCERA	CK1225B225760B0PQCC
250	1	Y7	130014100100-R	12.288MHZ	CRY 12.288MHZ SMD	CTS	AT5122SM-1
251	1	Y8	130014120021-R	24.0000MHZ	CRY 24MHZ SMD	NDK	NX3225SA-24.000MHZ-STD-CSR-1
252	1	Y9	130014070029-R	25MHz	CRY 25MHz SMD	CTS	44G-2025SM0000
253	12				Screw #4-40 5/16 inch long zinc-Phillips	BF Fastener	PMS 440 002 PH
254	12				Screw #4-40 1/4 inch long zinc-Phillips	BF Fastener	PMS 440 0025 PH
255	12				Standoff alum female/female 4-40 1/4 inch long	Keystone	3482
256	4				M3 x 25mm Screw		
257	4				M3 nut		
258	12				Rubber Feet #4 screw hole size	Keystone	720
259	8	TP92 TP129 TP202 TP104 TP51 TP201 TP90 TP53			TEST POINT PC MINI 0407 WHITE	Keystone	5002
260	4	J46 J10 J15 J45			SHUNT JUMPER Pitch 2.54mm		

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