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BOM Version	1.3
Schematic Version	1.20
Board Revision	1
Total number of Boards required	1

	Newly added
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QTY	Part Reference	Value	Description	Mfr name	Mfr part number	Distributor name	Distributor part number	Distributor part number A	PC B Footprint	Remarks	
1	208	C1 C3 C12 C13 C17 C25 C28 C30 C40 C41 C44 C45 C46 C47 C50 C51 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 C485 C486 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 C641 C662 C643 C645 C646 C647 C655 C656 C657 C661 C663 C665 C667 C668 C669 C670 C672 C674 C675 C676 C678 C679 C680 C683 C684 C685 C687 C688 C689 C690 C691 C692 C693 C694 C695 C696 C698 C700 C701 C703 C708 C733 C743 C748 C749 C753 C755 C761 C762 C763 C777 C780 C781 C782 C783 C784 C789 C792 C805 C809 C816 C817 C818 C819 C820 C821 C822	0.1uF	CAP CERAMIC 0.1uF 16V 10% X7R 0402	MURATA	GRM155R71C104K88D	DIGIKEY	490-3261-1-ND	399-3521-1-ND	CAPM002	
2	9	C2 C4 C5 C166 C360 C744 C745 C807 C808	22uF	CAP CERAMIC 22uF 25V 10% X7R 1210	MURATA	GRM32ER71E226KE15L	DIGIKEY	490-5313-1-ND	CAP1210		
3	1	C6	100uF 10V	CAP TANTALUM 100uF 10V 20% ESR 3E B3528	KEMET	T491H107M010AT	DIGIKEY	399-9722-1-ND	CAPT3528B		
4	11	C7 C75 C76 C95 C414 C737 C738 C739 C801 C802 C803	10uF	CAP CERAMIC 10uF 25V 20% X7R 1210	TDK CORPORATION	C325257R01E106M	DIGIKEY	445-1434-1-ND	CAP1210		
5	2	C8 C9	1000uF 50V	CAP CERAMIC 1000uF 50V 10% X7R 0805	YAGEO	CC040QKX7R9BB103	DIGIKEY	311-1349-1-ND	CAPM002		
6	16	C10 C11 C16 C24 C42 C43 C303 C315 C381 C388 C448 C494 C513 C546 C582 C738	22uF	CAP CERAMIC 22uF 16V 10% X5R 0402	TDK CORPORATION	C2012X5R1C226K	NA	NA	CAPM005		
7	14	C14 C18 C74 C99 C103 C118 C129 C130 C167 C452 C726 C734 C740 C804	0.1uF	CAP CERAMIC 0.1uF 50V 10% X7R 0402	TDK CORPORATION	C1005X7R1H104K	DIGIKEY	445-5932-1-ND	445-6899-1-ND	CAPM002	
8	47	C15 C19 C31 C34 C37 C39 C66 C73 C88 C201 C206 C213 C240 C244 C265 C276 C282 C287 C291 C305 C384 C385 C387 C389 C390 C399 C401 C409 C411 C418 C419 C422 C550 C552 C600 C612 C632 C648 C659 C666 C697 C699 C741 C758 C778 C794 C810	1uF	CAP CERAMIC 1uF 10V 10% X5R 0402	AVX CORPORATION	0402ZD105KA2TA	DIGIKEY	478-4596-1-ND	C0402C105KSPACTU-ND	CAPM002	
9	1	C29	2.2uF	CAP CERAMIC 2.2uF 25V 10% X7R 1210	KEMET	C1210C225K3RACTU	DIGIKEY	399-3084-1-ND	CAP1210		
10	11	C21 C116 C157 C158 C160 C183 C392 C439 C457 C469 C505	2.2uF	CAP CERAMIC 2.2uF 16V 10% X5R 0402	TDK CORPORATION	C1005X5R1C22K050BIC	DIGIKEY	445-9085-1-ND	CAPM002		
11	1	C22	22uF 35V	CAP TANTALUM 22uF 35V 20% ESR 25mE E7343	TDK CORPORATION	TCME22AM035R0025	DIGIKEY	478-6185-1-ND	CAPT7343E		
12	1	C23	100uF 35V	CAP ELECTROLYTIC 100uF 35V 20% D8C ASE 6666	PANASONIC-ECG	EE-ERK1V101XP	DIGIKEY	PCC1363TR-ND	CAPAE_D8C CASE		
13	3	C25 C44 C78	1000uF 50V	CAP CERAMIC 1000uF 50V 10% X7R 0402	VENKEL	C300237R50-102KNE	NA	NA	490-1303-1-ND	CAPM002	
14	4	C27 C104 C274 C806	15uF	CAP CERAMIC 15uF 50V 5% NP0 0402	PANASONIC-ECG	EC-0EC1H115J	DIGIKEY	PCC150CQCT-ND	490-1072-1-ND	CAPM002	
15	12	C29 C72 C80 C127 C132 C220 C223 C232 C234 C334 C335 C467	22uF	CAP CERAMIC 22uF 25V 5% NP0 0402	AVX CORPORATION	04023A220AT2A	DIGIKEY	04023A220AT2A-ND	CAPM002		
16	4	C32 C96 C97 C98	1uF	CAP CERAMIC 1uF 25V 10% X7R 0603	MURATA	GRM188R71E105KA12D	DIGIKEY	490-5307-1-ND	CAPM003		
17	132	C33 C79 C92 C93 C94 C133 C257 C273 C284 C297 C298 C299 C300 C301 C382 C384 C386 C387 C389 C318 C320 C322 C323 C396 C397 C400 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 C571 C579 C580 C581 C583 C584 C589 C602 C603 C604 C605 C606 C607 C608 C633 C640 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	0.01uF	CAP CERAMIC 0.01uF 16V 10% X7R 0402	PANASONIC-ECG	ECJ-0E1H103K	DIGIKEY	PCC103BQCT-ND	478-1114-1-ND	CAPM002	
18	5	C35 C36 C37 C38 C39	0.47uF	CAP CERAMIC 0.47uF 25V 10% X7R 0603	MURATA	GRM188R71E47KA12D	DIGIKEY	490-3291-1-ND	CAPM003		
19	12	C48 C49 C117 C172 C177 C189 C204 C205 C214 C227 C267 C585	100uF	CAP CERAMIC 100uF 10V 20% X5R 1210	TAIYO YUDEN	LMK325B107MM-T	DIGIKEY	587-1965-1-ND	CAP1210		
20	2	C51 C348	120uF	CAP POLYMER 120uF 16V 20% ECASE 8383	NICHICON	PC1J121MCL1G5	DIGIKEY	493-3054-1-ND	CAPAE_ECASE		
21	2	C52 C53	18uF	CAP CERAMIC 18uF 50V 5% NP0 0402	AVX CORPORATION	04025A180A2TA	DIGIKEY	478-1073-1-ND	CAPM002		
22	2	C54 C60	33uF	CAP CERAMIC 33uF 50V 5% NP0 0805	YAGEO AMERICA	CC3085JRNP09BN330	DIGIKEY	311-1105-1-ND	CAPM005		
23	1	C58	0.01uF	CAP CERAMIC 0.01uF 16V 10% X7R 0402	PANASONIC-ECG	ECJ-0E1H103K	DIGIKEY	PCC213CT-ND	478-1117-1-ND	CAPM002	
24	1	C63	820uF 50V	CAP CERAMIC 820uF 50V 10% X7R 0402	KEMET	C3002323K6RACTU	DIGIKEY	399-1037-1-ND	CAPM002		
25	15	C69 C100 C105 C113 C146 C222 C288 C350 C355 C356 C711 C713 C717 C720 C723	4.7uF	CAP CERAMIC 4.7uF 16V 10% X5R 0603	TAIYO YUDEN	EMK1074BJ475KA-T	DIGIKEY	587-2786-1-ND	CAPM003		
26	14	C70 C102 C180 C184 C202 C210 C216 C217 C219 C249 C250 C258 C652 C793	0.01uF	CAP CERAMIC 0.01uF 10V 10% X5R 0201	TDK CORPORATION	C0603X5R1A103K	DIGIKEY	445-1793-1-ND	CAP0201		
27	31	C81 C111 C123 C140 C142 C148 C154 C169 C233 C239 C255 C256 C292 C296 C310 C316 C324 C325 C326 C330 C336 C337 C339 C340 C346 C362 C369 C677 C702 C709 C750	10uF	CAP CERAMIC 10uF 16V 10% X5R 0805	AVX CORPORATION	0805YD106KA2TA	DIGIKEY	478-5165-1-ND	587-1295-1-ND	CAPM005	
28	1	C91	3.3uF	CAP CERAMIC 3.3uF 6.3V 10% X5R 0603	TDK CORPORATION	C1608X5R0J33K	DIGIKEY	445-5176-1-ND	CAPM003		
29	1	C101	330uF 6.3V	CAP TANTALUM 330uF 6.3V 20% ESR 10mE D7343-31	KEMET	T530D337M006A1E010	DIGIKEY	399-4125-1-ND	CAPT7343D		
30	6	C107 C108 C156 C468 C485 C498	4.7uF	CAP CERAMIC 4.7uF 25V 10% X5R 1206	AVX CORPORATION	12063D475KA2TA	DIGIKEY	478-1570-1-ND	CAP1206		
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 C358 C365 C366 C440 C446 C455 C464 C466 C471 C472 C476 C484 C487 C493 C500 C509 C510 C521 C534 C537 C540 C554 C561 C565 C578 C595 C596 C598 C599 C601 C609 C610 C712 C714 C715 C716 C718 C719 C721 C722 C724 C725 C759	0.1uF	CAP CERAMIC 0.1uF 25V -20% TO +80 Y5V 0402	MURATA	GRM155F51E104Z0A10D	DIGIKEY	490-3271-1-ND		CAPM002	
32	5	C115 C127 C433 C443 C444	47uF	CAP CERAMIC 47uF 16V 20% X5R 1206	TDK CORPORATION	C3216X5R1C476M	DIGIKEY	445-6003-1-ND	CAP1206		
33	3	C144 C145 C417	0.22uF	CAP CERAMIC 0.22uF 10V 10% X5R 0402	MURATA	GRM155R61A224KE19D	DIGIKEY	490-3910-1-ND	CAPM002		
34	1	C168	8.2uF	CAP CERAMIC 8.2uF 50V 5% C0G 0402	JOHANSON TECHNOLOGY	50R0758R2CV4T	DIGIKEY	712-1293-1-ND	CAPM002		
35	90	C174 C175 C176 C181 C182 C183 C188 C190 C191 C192 C193 C194 C195 C196 C197 C198 C199 C200 C201 C208 C209 C211 C212 C215 C218 C221 C226 C228 C237 C242 C243 C244 C246 C247 C248 C252 C253 C259 C260 C261 C263 C265 C257 C535 C536 C538 C539 C540 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	0.1uF	CAP CERAMIC 0.1uF 10V 10% X5R 0201	TAIYO YUDEN	LMK063BJ104K-F	DIGIKEY	587-2241-1-ND		CAP0201	
36	2	C207 C251	1uF	CAP CERAMIC 1uF 2.5V 20% X7S 0204	MURATA	LL1153C70E105ME21	NA	NA	CAP0204		
37	1	C235	4.7uF	CAP CERAMIC 4.7uF 50V 20% X5R 0805	TDK CORPORATION	C2012X5R1H475M	DIGIKEY	445-5981-1-ND	CAPM005		
38	1	C254	470uF	CAP CERAMIC 470uF 50V 10% X7R 0402	AVX CORPORATION	04025C471KA2TA	DIGIKEY	478-1097-1-ND	CAPM002		

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