

Item Reference	Description	Qty	Designator	Uninstalled Designator, Notes	MFG/MFGPN
100-0024	RES., 0 OHM, 1/8W, 5%, 0805	0		NO STUFF R102	yageo/9C08052A0R00JLHFT yageo/RC0805JR-070RL
100-0025	RES, 0 OHM, 1/16W, 0402	1	R85		Rohm/MCR01MZPJ000 Yageo/RC0402JR-070RL
100-0079	RES 33 OHM 1/20W 5% 0201 SMD	8	R21, R22, R23, R28, R37, R80, R81, R84	NO STUFF R24	Panasonic/ERJ-1GEJ330C
100-0095	RES 43.0K OHM 1/16W .5% 0402 SMD	2	R94, R105		Susumu Co Ltd/RR0510P-433-D
100-0214	RES, 10K, 1/16W, 5%, 0402	1	R107		Vishay/CRCW040210K0JNED
100-0300	RES, 0, .05W, 0201	11	R2, R4, R5, R6, R7, R12, R31, R41, R53, R54, R68	NO STUFF R3,R10,R20,R34,R35,R42,R43,R46,R47,R69,R72,R73,R79,R87,R89	VISHAY/CRCW02010000Z0ED
100-0301	RES, 100K, .05W, 5%, 0201	17	R14, R18, R27, R29, R38, R44, R48, R50, R51, R52, R58, R59, R60, R61, R62, R65, R74	NO STUFF R25	Panasonic/ERJ-1GEJ104C
100-0324	RES 2.2k ohm 5% 1/16W 0402 Thick Film Chip Resistor	1	R91		Vishay/CRCW04022K20JNED
100-0325	RES 10.0 ohm 1% 1/16W 0402 Thick Film Chip Resistor	1	R55		Vishay/CRCW040210R0FKED
100-0331	RES., 300 OHMS, 1/16W, 5%, 0402	2	R32, R96		Rohm/MCR01MZPJ301 Yageo/RC0402JR-07300RL
100-2051	RES 22.0K OHM 1/16W 1% 0402 SMD	1	R95		Yageo/RC0402FR-0722KL
100-2319	RES, 348K, 0.063W, 1%, 0402, SMD, IND	1	R92		Koa Speer/RK73H1ETTP3483F Yageo/RC0402FR-07348KL
100-2329	RES, 330K, .063W, 1%, 0402, SMD, IND	1	R99		Vishay/CRCW0402330KFKED
100-2332	RES, 12K, 1%, 0.05W, 0201	1	R49		Vishay/Dale/CRCW020112K0FNED yageo/RC0201FR-0712KL
100-2338	RES, 2.2K, 1/20W, 5%, 0201, SMD	1	R70		Panasonic/ERJ-1GEJ222C
100-2339	RES, 10K, .05W, 5%, 0201	18	R1, R8, R11, R13, R15, R16, R17, R56, R66, R67, R71, R82, R83, R86, R88, R98, R101, R103	NO STUFF R19,R57	Panasonic/ERJ-1GEJ103C
100-2340	RES, 1K, 1/20W, 5%, 0201, SMD	5	R9, R26, R36, R76, R97		Panasonic/ERJ-1GEJ102C
100-2341	RES, 3.90M OHM, 0.0625W, 1%, 0402 SMD	2	R90, R100		Vishay/CRCW04023M90FKED

100-2343	RES, 0.10,1/4W,1%, 0805, SMD	1	RSENSE1		Rohm/MCR10EZHF1R100
100-2344	RES, 100, 1/20W, 5%, 0201, SMD	2	R77, R78		Panasonic/ERJ-1GEJ101C
100-2345	RES., 16.9k, 1/10W, 1%, 0402, 100 PPM / C	1	R104		Panasonic/ERJ-2RKF1692X
100-2349	RES, 1.50M, 1/16W, 1%, 0402, SMD	1	R93		Vishay/CRCW04021M50FKED
100-2352	RES., 21.5k, 1/16W, 1%, 0402	1	R106		VISHAY/CRCW040221K5FKED
100-2353	RES, 10M, .05W, 5%, 0201	8	R30, R33, R39, R40, R45, R63, R64, R75		Panasonic/ERJ-1GEJ106C
103-0002	RES, ARRAY, 0.0 OHM, 4 IND, 0804	5	RN1, RN2, RN3, RN4, RN5		Panasonic/EXB-N8VR000X Vishay/CRA04P0830000ZTD
150-0024	CAP, 10UF, 6.3V, 20%, 0805, X5R, CER	4	C40, C56, C62, C63		Murata/GRM21BR60J106ME19L
150-0056	CAP CER 330PF 50V 5% C0G 0402	1	C66		Murata/GRM1555C1H331JA01D
150-0072	CAP 1UF 6.3V CERAMIC X5R 0402	1	C50	NO STUFF C53	Murata/GRM155R60J105ME19D Panasonic/ECJ-0EB0J105M
150-0099	CAP 10UF 16V CERAMIC X5R 1210	4	C69, C71, C72, C73		AVX Corporation/1210YD106MAT2A Panasonic/ECJ-4YB1C106K
150-0127	CAP, CER, .01UF, 6.3V, X5R, 0201	4	C44, C58, C64, C65		Murata/GRM033R61A103KA01D Panasonic/ECJ-ZEB1A103K
150-0131	CAP, .1UF, 6.3V, +/-10%, X5R, 0201	40	C1, C2, C3, C4, C5, C6, C7, C11, C13, C14, C15, C16, C17, C19, C20, C21, C22, C23, C24, C25, C26, C28, C29, C30, C32, C33, C36, C37, C38, C39, C41, C42, C43, C45, C49, C51, C52, C59, C60, C67		Murata/GRM033R60J104KE19D
150-0169	Cap, 100uF, 6.3V, +/- 20%, 1210SMD	1	C68		AVX Corporation/12106D107MAT2A
150-0181	CAP 0.22uF 10% 16V X7R 0603 Ceramic Chip Capacitor	2	C70, C74		Murata/GRM188R71C224KA01D
150-2062	CAP., CER., 4.7uF, X5R, 6.3V, 20%, 0603	3	C18, C27, C31		AVX Corporation/06036D475MAT2A Taiyo Yuden/JMK107BJ475MA-T
150-2076	CAP, CER, 100pF, 25V, 5%, COG, 0201	0		NO STUFF C8,C9,C10,C12,C46,C47,C48	Murata/GRM0335C1E101JD01D
150-2081	CAP, CER, .1UF, 16V, A+/- 10%, X7R, 0402	3	C54, C55, C57		Kemet/C0402C104M4RACTU Murata/GRM155R71C104KA88D
150-2096	CAP, 30PF, 5%, 25V, 0201, X7R	2	C34, C35		Murata/GRM0335C1E300JD01D TDK/C0603C0G1E300J
150-2099	CAP, CER, 2200PF, 1KV, 10%, X7R, 1206	0		NO STUFF C61	Murata/GRM31BR73A222KW01L

200-0032	FERRITE CHIP, 220 OHM, 2000MA, 0805	2	FB1, FB2		Murata/BLM21PG221SN1D
200-0109	INDUCTOR, 33UH, 1.2A, 20%, 5x5x4MM, SMD	1	L1		Taiyo Yuden/NR5040T330M
210-0003	DIODE, SCHOTTKY, DUAL, COMMON CATHODE, 30V, 200MA, SOT-23	1	D1		Fairchild/BAT54C
210-0042	DIODE, SCHOTTKY, 40V, 0.5A, SOD123	4	D2, D3, D4, D5		Diodes Inc./B0540W-7-F
240-0015	MOSFET N-CH 0V 2.9A SOT23-3	1	Q4		Vishay/SI2316DS-T1-E3
250-0109	CONN, HEADER, 2POS, .100, SNGL	3	P2, P3, P4		MMT Precision Corp/PHa1092-P0201GfN-0584 Samtec/TSW-102-07-F-S
250-0175	CONN, HEADER, LOPRO, STR, 20POS, 15AU	1	P1		MMT Precision Corp/RPHa000-P1002G15N Tyco/1761602-7 Tyco/5103308-5
250-0374	USB Micro B Jack Right Angle SMD	1	J1		FCI/10103594-0001LF
250-0387	CONN, HEADER, 2MM, PTH, AU, 8POS	1	JP1		Harwin/M22-2520405
250-0392	CONN, SOCKET 2x16, .100IN, SHROUD, RA, S26 KEYED, SSW SERIES	1	J2		Samtec/SSW-116-02-F-D-RA-025
250-0394	CONN, HEADER, 3POS, 2MM, 1 ROW, STR, 30AU, SMT	3	JP7, JP8, JP9	NO STUFF JP2	Harwin/M22-2510305
250-0397	CONN, HEADER, 2POS, 2MM, 1 ROW, STR, 30AU, SMT	2	JP5, JP10		Hirose/A3C-2P-2DSA
270-0046	LED Green 6mcd 0603	3	LED1, LED2, LED3		LiteON/LTST-C190GKT
280-0296	IC, SPDT Analog switch, 1.1 to 4.5V, SC70-6	2	U1, U26		Intersil/ISL43L210HZ-T
280-0308	IC EEPROM 1KBIT 2MHZ SOT23-6	1	U17		Microchip/93AA46BT-I/OT
280-0312	IC 20V 390mA N-Channel Enhancement Mode MOSFET SC70	3	Q1, Q2, Q3		Diodes Inc./DMN2004WK-7
280-0315	IC INVERTER ULP SCHMITT SC70-5	1	U18		Fairchild/NC7SP14P5X
280-0327	IC, USB HS QUAD UART/SYNC, 64-QFN	1	U10		FTDI/FT4232HQ
280-0330	IC, QUAD 2-IN NOR GATE, 14-TSSOP	2	U2, U5		NXP Semiconductors/74LVC02APW,118
280-0333	IC, HOT SWAP CTRL, SOT23	1	U23		Linear Technology/LTC4210-1IS6#TRMPBF
280-0334	IC, LDO 100MA 5V SOT23-5	1	U33		Linear Technology/LT1761ES5-5#TRMPBF

280-0335	IC, DC-DC CONTROLLER 1A ISO XFRMR DRIVER	1	U31		Linear Technology/LT3439EFE#PBF
280-0336	IC, LDO, 500MA, LOW NOISE DFN	2	U28, U32		Linear Technology/LT1763IDE#TRPBF
280-0337	IC, SWITCH, QUAD, NO, SPST, 16TSSOP	0		NO STUFF U8,U12,U16,U19,U25	Intersil/ISL43141VZ
280-0338	IC, SWITCH, QUAD, SPST, NO, 16MINIQFN	0		NO STUFF U7,U11,U15,U21,U24	Vishay/DG612AEN-T1-E4
280-0339	IC, ISOLATOR, 4CH, 3.75V, 2-2 BIT, 16-SOIC, NB PUPH	3	U14, U20, U27		Silicon Labs/SI8642EC-B-IS1
280-0340	IC, ISOLATOR, 4CH, 3.75V, 3-1 BIT, 16-SOIC, NB, PUPH	3	U6, U9, U22		Silicon Labs/SI8641EC-B-IS1
280-0341	IC, ISOLATOR, 4CH, 3.75V, 4-0 BIT, 16-SOIC, NB, PUPH	1	U3		Silicon Labs/SI8640EC-B-IS1
280-0343	IC, COMPARATOR, NANO POWER, W REF & HYST	1	U29		Linear Technology/LTC1540IDD#PBF
280-0344	IC, LOGIC GATE, UNIV, 2INPUT, SC70-6	2	U4, U13		Fairchild/NC7SZ58P6X
280-0345	IC, SUPERVISOR SELECT VOLTAGE, DFN8	1	U30		Linear Technology/LTC2916IDDB-1#TRMPBF
340-0069	CRYSTAL, 12.000MHZ, 20 PF, +/-10PPM ACCURACY, +/-30PPM STABILITY, 13.2x4.8mm, SMT	1	X1		Abracorn Corporation/ABLS-12.000MHZ-20-D1Y-T ECS Inc./ECS-120-20-5PX-TR ECS Inc./ECS-120-20-5PXDN-TR
410-0016	XFMR., POWER, 1200uH, 2.5:1:1 1500 Vrms	1	T2		PULSE/PA0510NL
410-0017	XFMR., 20 9UH, .25A, PUSH-PULL	0		NO STUFF T1	Coiltronics/CTX02-13665
430-0045	SWITCH, TACTILE SPST-NO 0.05A 12V, SMT	1	PB1		C & K Components/PTS635SL25SMTR LFS
600-0184	PCB, PITT	1		rev2	
705-0184	PCA ASSEMBLY DRAWING, PITT	0		rev2 REF DOC	
710-0184	PCA SCHEMATIC, PITT	0		rev07 REF DOC	
Add On Parts					
Item Reference	Description	Qty	Designator	Uninstalled Designator, Notes	MFG/MFGPN
250-0383	CONN, JUMPER, SHORTING, 2MM, GOLD RED	4	JP6, JP7, JP8, JP9		Harwin/M22-1920005
250-0385	CONN, JUMPER, SHORTING, 2MM, GOLD BLUE	5	JP1,JP10	No Stuff JP2	Harwin/M22-1910046
760-0053	SCREW, MACH, PHIL, 4-40, .250 IN, NYLON	4	HOLE1,HOLE2,HOLE7,HOLE8		B&F FASTENER/NY PMS 440 0025 PH

763-0002	STANDOFF, HEX .625"L, 4-40, THR NYL	4	HOLE1,HOLE2,HOLE 7,HOLE8		Keystone/1902F
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