

REF_DES	MAXIMV	QTY	MFG PART #	MANUFACTURER	VALUE	DESCRIPTION
C1	20-00U01-01	1	CGA3E2X7R2A103K; C0603C103K1RA; GRM1188R72A103KA01; C1608X7R2A103K080A	TDK;KEMET;MURATA;TDK	0.01UF	CAP; SMT (0603); 0.01UF; 10%; 100V; X7R; CERAMIC; NOTE: NOT RECOMMENDED FOR NEW DESIGN. USE 20-00u01-M8
C2, C3	20-0470P-01	2	C0603C471K1RAC; 06031C471KAT2A	KEMET;AVX	470PF	CAP; SMT (0603); 470PF; 10%; 100V; X7R; CERAMIC
C4, C5, C50	20-000U1-14	3	UMK107AB7105KA; C0603RXR798B105	TAIYO YUDEN;YAGEO	1UF	CAP; SMT (0603); 1UF; 10%; 50V; X7R; CERAMIC
C6, C9, C10, C20, C30, C31	20-000U1-U-88	6	C0402C105K8PAC; C0402KRXSR68B105	KEMET;YAGEO	1UF	CAP; SMT (0402); 1UF; 10%; 10V; X5R; CERAMIC
C7	20-002U2-CA28	1	GRM155R61C225KE44; GRM155R61C225KE11	MURATA;MURATA	2.2UF	CAP; SMT (0402); 2.2UF; 10%; 16V; X5R; CERAMIC
C8	20-004U7-L3	1	C1608XSR1E475K080AC; GRM1188R61E475KE11	TDK;MURATA	4.7UF	CAP; SMT (0603); 4.7UF; 10%; 25V; X5R; CERAMIC
C21	20-002U2-AA4	1	C1005X750J225K050BC; GRM155C70J225KE11	TDK;MURATA	2.2UF	CAP; SMT (0402); 2.2UF; 10%; 6.3V; X7S; CERAMIC
C22, C23	20-00U123-A02	2	TAHM105B0J240V	TAIYO YUDEN	0.22UF	CAP; SMT (0402); 0.22UF; 10%; 50V; X5R; CERAMIC
C24, C25	20-0010U-B40	2	GRM32ER71H106KA12; CL328106KBNNN; UMJ325KB7106KMH; 12105C106K422A	MURATA;SAMSUNG ELECTRONICS;TAIYO YU	10UF	CAP; SMT (1210); 10UF; 10%; 50V; X7R; CERAMIC
C26	20-0U022-860	1	GRM15SR71H223KA12	MURATA	0.022UF	CAP; SMT (0402); 0.022UF; 10%; 50V; X7R; CERAMIC
C32, C40	20-000U1-D5	2	C0201C104K9PAC; GRM033R60J104KE19; C0603X5R0J104K030BC; C0201X5R6R3-104KNI	KEMET;MURATA;VENKEL;TDK	0.1UF	CAP; SMT (0201); 0.1UF; 10%; 6.3V; X5R; CERAMIC
D1	30-DDZ3V085F-00	1	DDZ3V085F	DIODES INCORPORATED	3.115V	DIODE; 2NR; SMT (SOD-323F); VZ=3.115V; IZ=0.02A
J1	01-090431212044P-01	1	09 0431 212 04	BINDER	09 0431 212 04	CONNECTOR; MALE; TH; MALE RECEPTACLE; THREADED; PCB SOLDER; STRAIGHT; 4PINS; NOTE: PURCHASE DIRECT FROM THE MANUFACTURER
J2, J3, J5-J8, J10, J11	EH111000007066	8	1803578	PHOENIX CONTACT	1803578	CONNECTOR; TERM BLOCK; PLUG; CONNECTION TYPE: SCREW CONNECTION; COLOR: GREEN ; 2PINS
J4	01-117270102P-25	1	1727010	PHOENIX CONTACT	1727010	CONNECTOR; FEMALE; THROUGH HOLE; GREEN TERMINAL BLOCK; RIGHT ANGLE; 2PINS
L1	E1111000001413	1	LQH3HP2150MAIR	MURATA	15UH	INDUCTOR; SMT (1008); FERRITE; 15UH; 20%; 0.71A
LED1	30-SMLP12PT-00	1	SML-P12PT	ROHM	SML-P12PT	DIODE; LED; SML-P1 SERIES; ULTRA COMPACT HIGH BRIGHTNESS LED; GREEN; SMT (0402); VF=2.2V; IF=0.02A
LED2	30-SMLLX0404SIUPGUSB-00	1	SML-LX0404SIUPGUSB	LUMEX OPTOCOMPONENTS INC	SML-LX0404SIUPGUSB	DIODE; LED; SML; FULL COLOR; WATER CLEAR LENS; RED-GREEN-BLUE; SMT; VF=2.95V; IF=0.1A
NUT1-NUT4	EH111000007320	4	MHNZ 003	B&F FASTENER SUPPLY	MHNZ 003	NUT; HEX; THREAD SIZE M3; 0.217 IN; ZINC PLATING
R1, R3	80-0243K-AA18	2	CRCW0402243KFK	VISHAY DALE	243K	RES; SMT (0402); 243K; 1%; +/-100PPM/DEGC; 0.0630W
R2	80-090K9-AA18	1	CRCW040290K9FK	VISHAY DALE	90.9K	RES; SMT (0402); 90.9K; 1%; +/-100PPM/DEGC; 0.0630W
R4	80-016K5-23	1	CRCW040216K5FK	VISHAY DALE	16.5K	RES; SMT (0402); 16.5K; 1%; +/-100PPM/DEGC; 0.0630W
R5	80-0010K-23	1	RC0402FR-0710KL	YAGEO PHICOMP	10K	RES; SMT (0402); 10K; 1%; +/-100PPM/DEGC; 0.0630W
R11	80-0470R-05	1	ERJ-1GEF4700	PANASONIC	470	RES; SMT (0201); 470; 1%; +/-100PPM/DEGC; 0.0500W
R12	80-001K4-23	1	CRCW04021K40FK; RC0402FR-071K4I	VISHAY DALE;YAGEO PHICOMP	1.4K	RES; SMT (0402); 1.4K; 1%; +/-100PPM/DEGC; 0.0630W
R13	80-001K1-23	1	CRCW04021K10FK	VISHAY DALE	1.1K	RES; SMT (0402); 1.1K; 1%; +/-100PPM/DEGC; 0.0630W
R14	80-03K09-23	1	CR0402-16W-3091FT; ERJ-2RKF3091	VENKEL LTD.;PANASONIC	3.09K	RES; SMT (0402); 3.09K; 1%; +/-100PPM/DEGC; 0.0630W
R20	80-0001K-18	1	ERJ-2RKF1001	PANASONIC	1K	RES; SMT (0402); 1K; 1%; +/-100PPM/DEGC; 0.1000W
R21	80-0015K-23	1	CRCW040215K0FK	VISHAY DALE	15K	RES; SMT (0402); 15K; 1%; +/-100PPM/DEGC; 0.0630W
R30	80-0010K-AA89	1	ERJ-1GNJ103	PANASONIC	10K	RES; SMT (0201); 10K; 5%; +/-200PPM/DEGC; 0.0500W
R40, R41	80-004K7-23	2	CRCW04024K70PK; MCR01M2PF4701	VISHAY DALE;ROHM SEMICONDUCTOR	4.7K	RES; SMT (0402); 4.7K; 1%; +/-100PPM/DEGC; 0.0630W
R50	80-0150K-23	1	CRCW0402150KFK	VISHAY DALE	150K	RES; SMT (0402); 150K; 1%; +/-100PPM/DEGC; 0.0630W
R51	80-002M2-23	1	CRCW04022M20FK	VISHAY DALE	2.2M	RES; SMT (0402); 2.2M; 1%; +/-100PPM/DEGC; 0.0630W
R52	80-0432K-23	1	CRCW0402432KFK	VISHAY DALE	432K	RES; SMT (0402); 432K; 1%; +/-100PPM/DEGC; 0.0630W
R53	80-01K82-18	1	ERJ-2RKF1821	PANASONIC	1.82K	RES; SMT (0402); 1.82K; 1%; +/-100PPM/DEGC; 0.1000W
SOD1-SOD4	EH111000005977	4	24337	KEYSTONE	24337	STANDOFF; MALE-FEMALE THREADED HEX STANDOFF; ALUMINUM; 5MM HEX SIZE; 10MM LONG; M3 THREAD SIZE
SWD	01-FTSH10501LDVK10P-19	1	FTSH-105-01-L-DV-K	SAMTEC	FTSH-105-01-L-DV-K	CONNECTOR; MALE; SMT; 0.05 (1.27MM) SMT MICRO HEADER; STRAIGHT; 10PINS
U1	00-SAMPLE-01	1	MAX22514ATG+	MAXIM	MAX22514ATG+	EVKIT PART - IC; MAX22514ATG+; PACKAGE OUTLINE DRAWING: 21-0201; LAND PATTERN: 90-0083; PACKAGE CODE: T2445+2C; TQFN24-EP
U2	00-SAMPLE-02	1	MAX22200ET+	MAXIM	MAX22200ET+	EVKIT PART - IC; MAX22200ET+; PACKAGE OUTLINE DRAWING: 21-0140; PACKAGE LAND PATTERN: 90-0013; TQFN32-EP
U3	10-STM32L432KCU3-H	1	STM32L432KCU3	ST MICROELECTRONICS	STM32L432KCU3	IC; UCON; ULTRA LOW POWER ARM; CORTX-M4 32BIT MCU+FPJ; 100DMIPS; UP TO 256KB FLASH; 64KB SRAM; USB FS; ANALOG AUDIO; UFPQFN32
U4	EQ111000002874	1	M24C64-FC56TP/K	ST MICROELECTRONICS	M24C64-FC56TP/K	IC; MMRY; 64-KBIT SERIAL I2C BUS EPROM ; WLCSPS
U5	10-MAX17608ATC-T	1	MAX17608ATC+	MAXIM	MAX17608ATC+	IC; PROT; 1A CURRENT LIMITER WITH OV; UV; AND REVERSE PROTECTION; TQFN12-EP
X1-X8	01-18032772P-25	8	1803277	PHOENIX CONTACT	1803277	CONNECTOR; MALE; THROUGH HOLE; PLUGGABLE TERMINAL BLOCK; RIGHT ANGLE; 2PINS
PCB	N/A	1	MAXREFDES278_APPS_B	MAXIM	PCB	PCB-MAXREFDES278_APPS_B