

# Bill of Materials

Migou Platform

Source Data From: MIGOU.PrjPcb  
 Project: MIGOU.PrjPcb  
 Variant: None

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Designator	Quan	Value	Footprint	Manufacturer 1	Manufacturer Part Number	Supplier 1	Supplier Part Number 1	Description 1
BL1	1		2450FB15A050E	<a href="#">Johanson Technology Inc.</a>	<a href="#">2450FB15A050E</a>	Digi-Key	<a href="#">712-1065-1-ND</a>	FILTER BALUN CER CHIP 2.4GHZ
BTN-1, BTN-2	2		Push button SMD 2 leads	<a href="#">C&amp;K</a>	<a href="#">RS-282G05A3-SM RT</a>	Digi-Key	<a href="#">CKN10384CT-ND</a>	SWITCH TACTILE SPST-NO 0.05A 12V
C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C40, C41, C45, C47, C48, C53, C54, C57, C58, C62, C63, C68, C69, C74, C101, C132, C149, C154, C173, C189, C191, C192, C196, C197, C198	38	10n	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM155R71C103KA01D</a>	Digi-Key	<a href="#">490-1313-1-ND</a>	CAP CER 10000PF 16V X7R 0402
C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C42, C43, C49, C50, C51, C55, C59, C60, C64, C65, C67, C72, C73, C75, C76, C79, C83, C84, C85, C86, C87, C102, C104, C105, C106, C107, C108, C109, C111, C113, C115, C137, C141, C145, C176, C178, C180, C182, C184, C186, C188, C193, C194, C199, C200, C201	59	100n	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM155R71C104KA88D</a>	Digi-Key	<a href="#">490-3261-1-ND</a>	CAP CER 0.1UF 16V X7R 0402
C27, C28, C29, C30, C31, C32, C33, C34	8	100p	0402 CAP	<a href="#">Würth Electronics Inc.</a>	<a href="#">885012205019</a>	Digi-Key	<a href="#">732-7514-1-ND</a>	CAP CER 100PF 16V X7R 0402
C35	1	100u	CAP POL SMD 6.6x6.6	<a href="#">Würth Electronics Inc.</a>	<a href="#">875105344010</a>	Digi-Key	<a href="#">732-6425-1-ND</a>	CAP ALUM POLY 100UF 20% 16V SMD
C36, C37, C38	3	220u	CAP POL SMD 6.6x6.6	<a href="#">Würth Electronics Inc.</a>	<a href="#">875105244013</a>	Digi-Key	<a href="#">732-6413-1-ND</a>	CAP ALUM POLY 220UF 20% 10V SMD
C39	1	330u	CAP POL SMD 6.6x6.6	<a href="#">Würth Electronics Inc.</a>	<a href="#">875105245015</a>	Digi-Key	<a href="#">732-6415-1-ND</a>	CAP ALUM POLY 330UF 20% 10V SMD
C44, C46, C52, C56, C61, C66, C190, C195	8	10u	0603 Cap	<a href="#">Murata Electronics North America</a>	<a href="#">GRM188R60J106ME47D</a>	Digi-Key	<a href="#">490-3896-1-ND</a>	CAP CER 10UF 6.3V X5R 0603
C70, C71	2	47p	0402 CAP	<a href="#">Yageo</a>	<a href="#">CC0402JRNPO9BN470</a>	Digi-Key	<a href="#">311-1021-1-ND</a>	CAP CER 47PF 50V NPO 0402
C77, C139, C143, C147, C150, C174, C175, C177, C179, C181, C183, C185, C187	13	22u	0805 CAP	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">CL21A226KPCLRNC</a>	Digi-Key	<a href="#">1276-6786-1-ND</a>	CAP CER 22UF 10V X5R 0805
C78, C98, C99	3	2.2p	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM1555C1H2R2BA01D</a>	Digi-Key	<a href="#">490-6227-1-ND</a>	CAP CER 2.2PF 50V NP0 0402
C80	1	1n	0402 CAP	<a href="#">KEMET</a>	<a href="#">C0402C102K8RACTU</a>	Digi-Key	<a href="#">399-7757-1-ND</a>	CAP CER 1000PF 10V X7R 0402
C81, C116, C117	3	10p	0402 CAP	<a href="#">AVX Corporation</a>	<a href="#">04025U100CAT2A</a>	Digi-Key	<a href="#">478-5991-1-ND</a>	CAP CER 10PF 50V NP0 0402
C82, C120, C125, C136, C140, C144, C148, C172	8	10u	0805 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM21BR71A106KA73L</a>	Digi-Key	<a href="#">490-10516-1-ND</a>	CAP CER 10UF 10V X7R 0805
C88, C89, C90	3	1u	0402 CAP	<a href="#">KEMET</a>	<a href="#">C0402C105K9PACTU</a>	Digi-Key	<a href="#">399-4873-1-ND</a>	CAP CER 1UF 6.3V X5R 0402

C91, C92	2	1.8p	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM1555C1H1R8WA01D</a>	Digi-Key	<a href="#">490-6216-1-ND</a>	CAP CER 1.8PF 50V NP0 0402
C93	1	0.8p	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM1555C1HR80WA01D</a>	Digi-Key	<a href="#">490-6270-1-ND</a>	CAP CER 0.8PF 50V NP0 0402
C94, C95	2	1.2p	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM1555C1H1R2WA01D</a>	Digi-Key	<a href="#">490-6210-1-ND</a>	CAP CER 1.2PF 50V NP0 0402
C96	1	15p	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM1555C1H150FA01D</a>	Digi-Key	<a href="#">490-6200-1-ND</a>	CAP CER 15PF 50V NP0 0402
C97	1	8.2p	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM1555C1H8R2WA01D</a>	Digi-Key	<a href="#">490-10689-1-ND</a>	CAP CER 8.2PF 50V NP0 0402
C100	1	4.7n	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM155R71C472KA01D</a>	Digi-Key	<a href="#">490-6334-1-ND</a>	CAP CER 4700PF 16V X7R 0402
C103, C110, C112, C114, C162	5	4.7u	0603 Cap	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">CL10B475KQ8NQNC</a>	Digi-Key	<a href="#">1276-2087-1-ND</a>	CAP CER 4.7UF 6.3V X7R 0603
C118	1	10u	0805 CAP	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">CL21B106KOQNNNE</a>	Digi-Key	<a href="#">1276-2872-1-ND</a>	CAP CER 10UF 16V X7R 0805
C119, C121, C128	3	4.7u	0805 CAP	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">CL21B475KPFNNNE</a>	Digi-Key	<a href="#">1276-2972-1-ND</a>	CAP CER 4.7UF 10V X7R 0805
C122	1	10n	0603 Cap	<a href="#">Murata Electronics North America</a>	<a href="#">GRM188R71H103JA01D</a>	Digi-Key	<a href="#">490-9734-1-ND</a>	CAP CER 10000PF 50V X7R 0603
C123, C126	2	47u	0805 CAP	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">CL21A476MQCLRNC</a>	Digi-Key	<a href="#">1276-2420-1-ND</a>	CAP CER 47UF 6.3V X5R 0805
C124, C164, C167	3	1u	0603 Cap	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">CL10B105KP8NNNC</a>	Digi-Key	<a href="#">1276-1946-1-ND</a>	CAP CER 1UF 10V X7R 0603
C127	1	0.47u	0603 Cap	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">CL10B474KQ8NNNC</a>	Digi-Key	<a href="#">1276-1062-1-ND</a>	CAP CER 0.47UF 16V X7R 0603
C129, C130, C131, C135, C153, C155, C156, C157, C158, C159, C160, C161, C163, C168, C169, C170, C171, C207, C209	19	100n	0603 Cap	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">CL10B104KB8SFNC</a>	Digi-Key	<a href="#">1276-1936-1-ND</a>	CAP CER 0.1UF 50V X7R 0603
C133, C151	2	150u	1206 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM31CR60J157ME11L</a>	Digi-Key	<a href="#">490-13969-1-ND</a>	CAP CER 150UF 6.3V X5R 1206
C134, C152	2	1000u	CAP POL 10x12.5 Pitch 5mm	<a href="#">Nichicon</a>	<a href="#">UVR1A102MPD</a>	Digi-Key	<a href="#">493-1025-ND</a>	CAP ALUM 1000UF 20% 10V RADIAL
C138, C142, C146	3	3.3n	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM155R71H332JA01D</a>	Digi-Key	<a href="#">490-10780-1-ND</a>	CAP CER 3300PF 50V X7R 0402
C165, C166, C203, C204	4	20p	0402 CAP	<a href="#">Murata Electronics North America</a>	<a href="#">GRM1555C1H200GA01D</a>	Digi-Key	<a href="#">490-6217-1-ND</a>	CAP CER 20PF 50V NP0 0402
C202	1	47u	CAP POL SMD 6.6x6.6	<a href="#">Wurth Electronics Inc.</a>	<a href="#">875105344006</a>	Digi-Key	<a href="#">732-6421-1-ND</a>	CAP ALUM POLY 47UF 20% 16V SMD
C205, C206	2		0402 CAP					
C208	1	100p	0603 Cap	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">CL10B101KB8NNNC</a>	Digi-Key	<a href="#">1276-1909-1-ND</a>	CAP CER 100PF 50V X7R 0603
CMC1	1		DLW21SN900SQ2L	<a href="#">Murata Electronics North America</a>	<a href="#">DLW21SN900SQ2L</a>	Digi-Key	<a href="#">490-5137-1-ND</a>	CMC 330MA 2LN 90 OHM SMD
CN-1	1		Header-1x3-Jumper					
CN-2	1		HEADER-2X3					
CN-3	1		HEADER-2X5 JTAG	<a href="#">On Shore Technology Inc.</a>	<a href="#">302-S101</a>	Digi-Key	<a href="#">ED1543-ND</a>	CONN HEADER VERT 10POS GOLD
CN-4	1		Header-1x3					
CN-5, CN-6	2		Bat-Con-S2B-PH-K-S	<a href="#">JST Sales America Inc.</a>	<a href="#">S2B-PH-K-S(LF)(SN)</a>	Digi-Key	<a href="#">455-1719-ND</a>	CONN HEADER PH SIDE 2POS 2MM
CN-7, CN-8	2		HEADER-1x2-Jumper					
CN-9, CN-10	2		Header-2x12					
CV1	1			<a href="#">Wurth Electronics Inc.</a>	<a href="#">36003250</a>	Digi-Key	<a href="#">732-2491-ND</a>	
DC-1	1		DC-Conn-RAPC 722	<a href="#">Switchcraft Inc.</a>	<a href="#">RAPC722X</a>	Digi-Key	<a href="#">SC1313-ND</a>	CONN PWR JACK 2X5.5MM SOLDER
F1, F2, F3	3		FIDUCIAL					
FB1	1	120 Ohm @ 100 MHz	0603 Ferrite	<a href="#">Murata Electronics North America</a>	<a href="#">BLM18PG121SN1D</a>	Digi-Key	<a href="#">490-1037-1-ND</a>	FERRITE BEAD 120 OHM 0603 1LN
FB2	1	220 Ohm @ 100 MHz	0603 Ferrite	<a href="#">Wurth Electronics Inc.</a>	<a href="#">74279263</a>	Digi-Key	<a href="#">732-1581-1-ND</a>	FERRITE BEAD 220 OHM 0603 1LN
FB3, FB4, FB5	3	600 Ohm @ 100 MHz	0603 Ferrite	<a href="#">Murata Electronics North America</a>	<a href="#">BLM18KG601SN1D</a>	Digi-Key	<a href="#">490-5258-1-ND</a>	FERRITE BEAD 600 OHM 0603 1LN
FR1	1		WE36103255	<a href="#">Wurth Electronics Inc.</a>	<a href="#">36103255</a>	Digi-Key	<a href="#">732-2489-ND</a>	
L1	1	5.6n	0402 IND	<a href="#">Johanson Technology Inc.</a>	<a href="#">L-07C5N6SV6T</a>	Digi-Key	<a href="#">712-1462-1-ND</a>	FIXED IND 5.6NH 300MA 270 MOHM
L2	1	2.2u	IND-2.2UH-IFSC1515AHER2R2M01	<a href="#">Vishay Dale</a>	<a href="#">IFSC1515AHER2R2M01</a>	Digi-Key	<a href="#">541-1404-1-ND</a>	FIXED IND 2.2UH 3A 45 MOHM SMD
L3, L8	2	1u	0806 Ind	<a href="#">Bourns Inc.</a>	<a href="#">SRP2010-1R0M</a>	Digi-Key	<a href="#">SRP2010-1R0MCT-ND</a>	FIXED IND 1UH 2.1A 72 MOHM SMD
L4, L5, L6, L7, L15	5	2.2u	IND-2.2UH-4020	<a href="#">Wurth Electronics Inc.</a>	<a href="#">74438356022</a>	Digi-Key	<a href="#">732-8232-1-ND</a>	FIXED IND 2.2UH 4.7A 35 MOHM SMD
L9, L10, L11, L12, L13, L14, L16	7	100n	0603 IND	<a href="#">Panasonic Electronic Component</a>	<a href="#">ELJ-RER10JFA</a>	Digi-Key	<a href="#">PCD1985CT-ND</a>	FIXED IND 100NH 200MA 1.8 OHM
LD1, LD3	2		0603 LED-Green	<a href="#">Kingbright</a>	<a href="#">APT1608ZGC</a>	Digi-Key	<a href="#">754-1126-1-ND</a>	LED GREEN CLEAR 0603 SMD
LD2, LD6	2		0603 LED-BLUE	<a href="#">Kingbright</a>	<a href="#">APT1608QBC/D</a>	Digi-Key	<a href="#">754-1434-1-ND</a>	LED BLUE CLEAR 0603 SMD
LD4	1		0603 LED-RED	<a href="#">Kingbright</a>	<a href="#">APT1608SECK</a>	Digi-Key	<a href="#">754-1120-1-ND</a>	LED ORANGE CLEAR 0603 SMD

LD5	1		0603 LED-RED	<a href="#">Kingbright</a>	<a href="#">APT1608EC</a>	Digi-Key	<a href="#">754-1117-1-ND</a>	LED RED CLEAR 0603 SMD
MicroSD-1	1		MicroSD	<a href="#">Hirose Electric Co Ltd</a>	<a href="#">DM3AT-SF-PEJM5</a>	Digi-Key	<a href="#">HR1964CT-ND</a>	CONN MICRO SD CARD PUSH-PUSH R/A
P1	1		U.FL-R-SMT-1	<a href="#">Hirose Electric Co Ltd</a>	<a href="#">U.FL-R-SMT-1(10)</a>	Digi-Key	<a href="#">H11891CT-ND</a>	CONN UMC JACK STR 50 OHM SMD
Q1	1		SOT-23-3	<a href="#">Diodes Incorporated</a>	<a href="#">DMP3056L-7</a>	Digi-Key	<a href="#">DMP3056L-7DICT-ND</a>	MOSFET P-CH 30V 4.3A SOT23
Q2, Q3	2		PowerPAK SO-8	<a href="#">Vishay Siliconix</a>	<a href="#">SI7997DP-T1-GE3</a>	Digi-Key	<a href="#">SI7997DP-T1-GE3CT-ND</a>	MOSFET 2P-CH 30V 60A PPAK SO-8
R1, R12, R15, R17, R25, R26, R27, R91	8	10k	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF1002X</a>	Digi-Key	<a href="#">P10.0KLCT-ND</a>	RES SMD 10K OHM 1% 1/10W 0402
R2, R19	2	100	0402 RES	<a href="#">Vishay Dale</a>	<a href="#">CRCW0402100RFKEDHP</a>	Digi-Key	<a href="#">541-100YCT-ND</a>	RES SMD 100 OHM 1% 1/5W 0402
R3, R4, R5, R6	4	1k	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF1001X</a>	Digi-Key	<a href="#">P1.00KLCT-ND</a>	RES SMD 1K OHM 1% 1/10W 0402
R7, R8, R9, R10	4	33	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF33R0X</a>	Digi-Key	<a href="#">P33.0LCT-ND</a>	RES SMD 33 OHM 1% 1/10W 0402
R11	1	220	0402 RES	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">RC1005F221CS</a>	Digi-Key	<a href="#">1276-3963-1-ND</a>	RES SMD 220 OHM 1% 1/16W 0402
R13	1	100k	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF1003X</a>	Digi-Key	<a href="#">P100KLCT-ND</a>	RES SMD 100K OHM 1% 1/10W 0402
R14, R16, R31, R32	4	0	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2GE0R00X</a>	Digi-Key	<a href="#">P0.0JCT-ND</a>	RES SMD 0.0OHM JUMPER 1/10W 0402
R18	1	390k	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF3903X</a>	Digi-Key	<a href="#">P390KLCT-ND</a>	RES SMD 390K OHM 1% 1/10W 0402
R20, R68, R69, R82	4	0	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3GEY0R00V</a>	Digi-Key	<a href="#">P0.0GCT-ND</a>	RES SMD 0.0OHM JUMPER 1/10W 0603
R21, R22, R74, R81	4	330	0603 Res	<a href="#">Yageo</a>	<a href="#">RC0603FR-07330RL</a>	Digi-Key	<a href="#">311-330HRCT-ND</a>	RES SMD 330 OHM 1% 1/10W 0603
R23	1	2.2k	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF2201X</a>	Digi-Key	<a href="#">P2.20KLCT-ND</a>	RES SMD 2.2K OHM 1% 1/10W 0402
R24	1	27	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF27R0X</a>	Digi-Key	<a href="#">P27.0LCT-ND</a>	RES SMD 27 OHM 1% 1/10W 0402
R28	1	12k	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF1202X</a>	Digi-Key	<a href="#">P12.0KLCT-ND</a>	RES SMD 12K OHM 1% 1/10W 0402
R29	1	39k	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF3902V</a>	Digi-Key	<a href="#">P39.0KHCT-ND</a>	RES SMD 39K OHM 1% 1/10W 0603
R30, R53	2		0603 Res					
R33	1	28k	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF2802V</a>	Digi-Key	<a href="#">P28.0KHCT-ND</a>	RES SMD 28K OHM 1% 1/10W 0603
R34, R41, R44, R54, R55, R70, R71, R72	8	10k	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF1002V</a>	Digi-Key	<a href="#">P10.0KHCT-ND</a>	RES SMD 10K OHM 1% 1/10W 0603
R35	1	110	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF1100X</a>	Digi-Key	<a href="#">P110LCT-ND</a>	RES SMD 110 OHM 1% 1/10W 0402
R36, R37	2	1.1k	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF1101V</a>	Digi-Key	<a href="#">P1.10KHCT-ND</a>	RES SMD 1.1K OHM 1% 1/10W 0603
R38	1	4.53k	0603 Res	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">RC1608F4531CS</a>	Digi-Key	<a href="#">1276-4708-1-ND</a>	RES SMD 4.53K OHM 1% 1/10W 0603
R39	1	8.45k	0603 Res	<a href="#">Samsung Electro-Mechanics Ame</a>	<a href="#">RC1608F8451CS</a>	Digi-Key	<a href="#">1276-4738-1-ND</a>	RES SMD 8.45K OHM 1% 1/10W 0603
R40	1	330	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2RKF3300X</a>	Digi-Key	<a href="#">P330LCT-ND</a>	RES SMD 330 OHM 1% 1/10W 0402
R42, R43, R48, R49, R50, R51, R56, R59, R62, R65, R75, R76, R77, R78, R79, R80, R83, R84, R85, R88, R89, R90	22	100k	0603 Res	<a href="#">Yageo</a>	<a href="#">RC0603FR-07100KL</a>	Digi-Key	<a href="#">311-100KHRCT-ND</a>	RES SMD 100K OHM 1% 1/10W 0603
R45, R46	2	100	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF1000V</a>	Digi-Key	<a href="#">P100HCT-ND</a>	RES SMD 100 OHM 1% 1/10W 0603
R47	1	0.01	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3LWFR010V</a>	Digi-Key	<a href="#">P19180CT-ND</a>	RES SMD 0.01 OHM 1% 1/4W 0603
R52	1	0.2	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3BSFR20V</a>	Digi-Key	<a href="#">P17453CT-ND</a>	RES SMD 0.2 OHM 1% 1/4W 0603
R57, R60	2	470k	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF4703V</a>	Digi-Key	<a href="#">P470KHCT-ND</a>	RES SMD 470K OHM 1% 1/10W 0603
R58, R61	2	150k	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF1503V</a>	Digi-Key	<a href="#">P150KHCT-ND</a>	RES SMD 150K OHM 1% 1/10W 0603
R63	1	510k	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF5103V</a>	Digi-Key	<a href="#">P510KHCT-ND</a>	RES SMD 510K OHM 1% 1/10W 0603
R64	1	240k	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF2403V</a>	Digi-Key	<a href="#">P240KHCT-ND</a>	RES SMD 240K OHM 1% 1/10W 0603
R66	1	60.4	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3EKF60R4V</a>	Digi-Key	<a href="#">P60.4HCT-ND</a>	RES SMD 60.4 OHM 1% 1/10W 0603
R67	1	0.62	0603 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-3BQFR62V</a>	Digi-Key	<a href="#">P17403CT-ND</a>	RES SMD 0.62 OHM 1% 1/4W 0603
R86	1	10.2k	0603 Res	<a href="#">Vishay Dale</a>	<a href="#">CRCW060310K2FKEA</a>	Digi-Key	<a href="#">541-10.2KHCT-ND</a>	RES SMD 10.2K OHM 1% 1/10W 0603
R87	1	20.5k	0603 Res	<a href="#">Vishay Dale</a>	<a href="#">CRCW060320K5FKEA</a>	Digi-Key	<a href="#">541-20.5KHCT-ND</a>	RES SMD 20.5K OHM 1% 1/10W 0603
R92	1		0402 RES					
R93, R94, R95, R96, R97, R98, R99	7	1	0402 RES	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-2GEJ1R0X</a>	Digi-Key	<a href="#">P1.0JCT-ND</a>	RES SMD 1 OHM 5% 1/10W 0402
R100	1	0	0805 Res	<a href="#">Panasonic Electronic Component</a>	<a href="#">ERJ-6GEY0R00V</a>	Digi-Key	<a href="#">P0.0ACT-ND</a>	RES SMD 0.0 OHM JUMPER 1/8W 0805
SMA-1, SMA-2	2		Jack SMA 142-0701-801	<a href="#">Cinch Connectivity Solutions Johr</a>	<a href="#">142-0701-801</a>	Digi-Key	<a href="#">J502-ND</a>	CONN SMA JACK 50 OHM EDGE MNT
SW-1	1		WE01014042	<a href="#">Würth Electronics Inc.</a>	<a href="#">450301014042</a>	Digi-Key	<a href="#">450301014042-ND</a>	SWITCH SLIDE SPDT 500MA 12V
SW-2	1		219-3MSTR	<a href="#">CTS Electrocomponents</a>	<a href="#">219-3MSTR</a>	Digi-Key	<a href="#">CT3094CT-ND</a>	SWITCH SLIDE DIP SPST 100MA 20V

SW-3	1		WE02014072	<a href="#">Wurth Electronics Inc.</a>	<a href="#">450302014072</a>	Digi-Key	<a href="#">450302014072-ND</a>	SWITCH SLIDE SPDT 500MA 12V
TCXO1	1	26.0 MHz	ASTXR-12-26.000MHZ-511741	<a href="#">Abracon LLC</a>	<a href="#">ASTXR-12-26.000MHZ-511741</a>	Digi-Key	<a href="#">535-12689-ND</a>	OSC TCXO 26.000MHZ CLIP SNWV SMD
TP1, TP2, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP19, TP20	16		Test Point 0.9mm					
TP3, TP4, TP5, TP21, TP22, TP23, TP24	7		Test Point 0.3mm					
U1	1		MCSM-FG-484	<a href="#">Microsemi Corporation</a>	<a href="#">M2S050-FGG484</a>	Digi-Key	<a href="#">1100-1224-ND</a>	IC FPGA SOC 50K LUTS 484FBGA
U2	1		SOT-23-3	<a href="#">Richtek USA Inc.</a>	<a href="#">RT9818C-29GV</a>	Digi-Key	<a href="#">1028-1020-1-ND</a>	IC VOLT DETECTOR 2.9V SOT23-3
U3	1		QFN-32	<a href="#">FTDI, Future Technology Devices</a>	<a href="#">FT232RQ-REEL</a>	Digi-Key	<a href="#">768-1008-1-ND</a>	IC USB FS SERIAL UART 32-QFN
U4	1		QFN-48	<a href="#">Microchip Technology</a>	<a href="#">AT86RF215-ZUR</a>	Digi-Key	<a href="#">AT86RF215-ZURCT-ND</a>	IC RF TXRX 802.15.4/ISM 48-VFQFN
U5	1		FT232HQ	<a href="#">FTDI, Future Technology Devices</a>	<a href="#">FT232HQ-REEL</a>	Digi-Key	<a href="#">768-1102-1-ND</a>	IC HS USB TO UART/FIFO 48QFN
U6	1		93LC56BT-I/OT	<a href="#">Microchip Technology</a>	<a href="#">93LC56BT-I/OT</a>	Digi-Key	<a href="#">93LC56BT-I/OTCT-ND</a>	IC EEPROM 2KBIT 2MHZ SOT23-6
U7	1		QFN-24	<a href="#">Texas Instruments</a>	<a href="#">BQ24166RGET</a>	Digi-Key	<a href="#">296-36560-1-ND</a>	IC BATT CHRG MGMT LI-ION 24VQFN
U8	1		DRZ12-1950X2450TP	<a href="#">Texas Instruments</a>	<a href="#">BQ27441DRZR-G1A</a>	Digi-Key	<a href="#">296-39941-1-ND</a>	IC BATT FUEL GAUGE LI-ION 12SON
U9, U10	2		SOT-23-5	<a href="#">Maxim Integrated</a>	<a href="#">MAX9938FEUK+T</a>	Digi-Key	<a href="#">MAX9938FEUK+TCT-ND</a>	IC OPAMP CURR SENS 60KHZ SOT23-5
U11, U12, U13	3		QFN-16	<a href="#">Texas Instruments</a>	<a href="#">TPS62150AQRGTTQ1</a>	Digi-Key	<a href="#">296-37879-1-ND</a>	IC REG BUCK ADJ 1A SYNC 16QFN
U14	1		TPS6209718	<a href="#">Texas Instruments</a>	<a href="#">TPS6209718RWKT</a>	Digi-Key	<a href="#">296-43331-1-ND</a>	IC REG BUCK 1.8V 2A 11VQFN
U15	1		USBLC6-2SC6	<a href="#">STMicroelectronics</a>	<a href="#">USBLC6-2SC6</a>	Digi-Key	<a href="#">497-5235-1-ND</a>	TVS DIODE 5.25VWM 17VC SOT23-6
U16	1		LQFP-64	<a href="#">STMicroelectronics</a>	<a href="#">STM32L496RGT6</a>	Farnell	<a href="#">2725138</a>	STMICROELECTRONICS - STM32L496RGT6 - MCU, ARM CORTEx-M4, 80MHZ, LQFP-64
U17	1		SOT323-5L	<a href="#">STMicroelectronics</a>	<a href="#">USBDF01W5</a>	Digi-Key	<a href="#">497-3086-1-ND</a>	FILTER RC(PI) 33 OHM/47PF SMD
U18	1		MSOP-8	<a href="#">Microchip Technology</a>	<a href="#">AT30TS75A-XM8M-T</a>	Digi-Key	<a href="#">AT30TS75A-XM8M-TCT-ND</a>	SENSOR TEMP I2C/SMBUS 8MSOP
U19	1		DFN - 10	<a href="#">NXP USA Inc.</a>	<a href="#">MMA8652FCR1</a>	Digi-Key	<a href="#">MMA8652FCR1CT-ND</a>	ACCELEROMETER 2-8G I2C 10DFN
U20	1		TPS62097	<a href="#">Texas Instruments</a>	<a href="#">TPS62097RWKT</a>	Digi-Key	<a href="#">296-43330-1-ND</a>	IC REG BUCK ADJ 2A 11VQFN
USB-1, USB-2, USB-3	3		USB-MicroB	<a href="#">Amphenol FCI</a>	<a href="#">10103594-0001LF</a>	Digi-Key	<a href="#">609-4050-1-ND</a>	CONN RCPT STD MICRO USB TYPE B
XTAL-1	1	12MHz	7M-12.000MEEQ-T	<a href="#">TXC CORPORATION</a>	<a href="#">7M-12.000MEEQ-T</a>	Digi-Key	<a href="#">887-1316-1-ND</a>	CRYSTAL 12.0000MHZ 10PF SMD
XTAL-2	1	8 MHz	XTAL2PIN-5mmx3.2mm	<a href="#">TXC CORPORATION</a>	<a href="#">7A-8.000MAAE-T</a>	Digi-Key	<a href="#">887-1740-1-ND</a>	CRYSTAL 8.0000MHZ 12PF SMD
XTAL-3	1	32.768 kHz	XTAL2PIN-5mmx3.2mm	<a href="#">Abracon LLC</a>	<a href="#">ABS10-32.768KHZ-1-T</a>	Digi-Key	<a href="#">535-9806-1-ND</a>	CRYSTAL 32.7680KHZ 12.5PF SMD
XTAL-4	1		Crystal 11.5 x 3.5mm					
	416							

Approved	Notes