

TITLE: Bill of Materials
DATE: 05/29/2020
DESIGN: max77655_evkit_d
VARIANT:dni

NOTE: DNI--> DO NOT INSTALL(PACKOUT) ; DNP--> DO NOT PROCURE

ITEM	REF_DES	DNI/DNP	QTY	MFG PART #	MANUFACTURER	VALUE	DESCRIPTION	COMMENTS
1	AIN0, AIN1, AIN6, AIN7, NEN_EXT, NIRQ, SCL, SDA, VIL_SBB0-VIL_SBB3	-	12	5002	KEystone	N/A	TEST POINT; PIN DIA=0.1IN; TOTAL LENGTH=0.3IN; BOARD HOLE=0.04IN; WHITE; PHOSPHOR BRONZE WIRE SILVER;	
2	B0_SNS, B1_SNS-B3_SNS, IN_SNS	-	5	5000	KEystone	N/A	TEST POINT; PIN DIA=0.1IN; TOTAL LENGTH=0.3IN; BOARD HOLE=0.04IN; RED; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH;	
3	C1, C234, C235	-	3	GRM155R61C104KA88	MURATA	0.1UF	CAPACITOR; SMT (0402); CERAMIC; 0.1UF; 16V; TOL=10%; MODEL=GRM SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R	
4	C2	-	1	16TQC100MYF	PANASONIC	100UF	CAPACITOR; SMT (7343); TANTALUM CHIP; 100UF; 16V; TOL=20%; MODEL=TQC SERIES	
5	C3	-	1	GRM155R61A106ME44;GRM155R61A106ME11;0402ZD106MAT2A;CLO5A106MP5NUNC	MURATA;MURATA;AVX;SAMSUNG	10UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 10UF; 10V; TOL=20%; TG=-55 DEGC TO +85 DEGC; TC=X5R	
6	C4	-	1	C0402C103K5RAC;GRM155R71H103KA88;C1005X7R1H103K050BE;CLO5B103KB5NNN;UMK105B7103KV	KEMET;MURATA;TDK;SAMSUNG ELECTRONIC;TAIYO YUDEN	0.01UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 0.01UF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R	
7	C5	-	1	ANY	ANY	22UF	CAPACITOR; SMT (0603); CERAMIC CHIP; 22UF; 10V; TOL=20%; MODEL=CL SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R; FORMFACTOR	
8	C6, C14	-	2	C1608X5R1A226M080AC; GRM188R61A226ME15	TDK;MURATA	22UF	CAPACITOR; SMT (0603); CERAMIC CHIP; 22UF; 10V; TOL=20%; TG=-55 DEGC TO +85 DEGC; TC=X5R	
9	C7, C9, C200, C205, C210, C215, C220, C238, C248, C250-C252	-	12	C0402C472J5RAC	KEMET	4700PF	CAPACITOR; SMT; 0402; CERAMIC; 4700pF; 50V; 5%; X7R; -55degC to +125degC; 0 +/-15% degC MAX.	
10	C8, C11	-	2	GRM188R60J476ME15	MURATA	47UF	CAPACITOR; SMT (0603); CERAMIC CHIP; 47UF; 6.3V; TOL=20%; TG=-55 DEGC TO +85 DEGC; TC=X5R	
11	C10, C16, C29, C36, C41, C42	-	6	C0402C105K8PAC;CC0402KRX5R6BB105	KEMET;YAGEO	1UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 1UF; 10V; TOL=10%; TG=-55 DEGC TO +85 DEGC; TC=X5R	
12	C19	-	1	C0402C152K5RAC;GRM155R71H152KA01	KEMET;MURATA	1500PF	CAPACITOR; SMT (0402); CERAMIC CHIP; 1500PF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R	
13	C21, C28, C31	-	3	C1005X5R1A475K050	TDK	4.7UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 4.7UF; 10V; TOL=10%; TG=-55 DEGC TO +85 DEGC; TC=X5R	
14	C22, C25-C27, C30, C32-C35, C37-C39, C44, C73	-	14	GRM155R71A104JA01	MURATA	0.1UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 0.1UF; 10V; TOL=5%; TG=-55 DEGC TO +125 DEGC; TC=X7R	
15	C23, C24	-	2	C0402COG500270JNP; GRM1555C1H270JA01	VENKEL LTD.;MURATA	27PF	CAPACITOR; SMT; 0402; CERAMIC; 27pF; 50V; 5%; C0G; -55degC to +125degC; 0 +/-30PPM/degC	
16	C63, C65-C67	-	4	ANY	ANY	0.1UF	CAPACITOR; SMT; 0402; CERAMIC; 0.1uF; 10V; 10%; X5R; -55degC to +125degC; 0 +/-30PPM/degC; FORMFACTOR ;	
17	C68, C69, C71, C72, C201, C206, C211, C216	-	8	ANY	ANY	0.01UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 0.01UF; 10V; TOL=10%; MODEL=C0402C SERIES; TG=-55 DEGC TO +125 DEGC; TC=X7R	
18	C202, C207, C212, C217, C221-C223, C237, C244, C268, C272-C277	-	16	ANY	ANY	0.1UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 0.1UF; 25V; TOL=10%; MODEL=C SERIES; TG=-55 DEGC TO +125 DEGC; TC=X7R; FORMFACTOR	
19	C203, C204, C208, C209, C213, C214, C218, C219	-	8	GRM155R71H102JA01;GCM155R71H102JA37	MURATA;MURATA	1000PF	CAPACITOR; SMT (0402); CERAMIC CHIP; 1000PF; 50V; TOL=5%; MODEL=GRM SERIES; TG=-55 DEGC TO +125 DEGC; TC=X7R	
20	C239-C242	-	4	ANY	ANY	1UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 1UF; 6.3V; TOL=20%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R ; FORMFACTOR	
21	C269-C271	-	3	ANY	ANY	1UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 1UF; 16V; TOL=10%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R; FORMFACTOR	
22	D1	-	1	B0530W-7-F	DIODES INCORPORATED	B0530W	DIODE; SCH; SMT (SOD-123); PIV=30V; IF=0.5A	
23	DS1, DS2	-	2	LTST-C190CKT	LITE-ON ELECTRONICS INC.	LTST-C190CKT	DIODE; LED; STANDARD; RED; SMT (0603); PIV=5.0V; IF=0.04A; -55 DEGC TO +85 DEGC	
24	GND1, GND5-GND7	-	4	5011	KEystone	N/A	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.445IN; BOARD HOLE=0.063IN; BLACK; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH;	
25	GND2-GND4, GND8, GND10, IN	-	6	9020 BUSS	WEICO WIRE	MAXIMPAD	EVK KIT PARTS; MAXIM PAD; WIRE; NATURAL; SOLID; WEICO WIRE; SOFT DRAWN BUS TYPE-S; 20AWG	
26	GNDS_SBB0-GNDS_SBB3, GND_SNS	-	5	5001	KEystone	N/A	TEST POINT; PIN DIA=0.1IN; TOTAL LENGTH=0.3IN; BOARD HOLE=0.04IN; BLACK; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH;	
27	J1	-	1	10118193-0001LF	FCI CONNECT	10118193-0001LF	CONNECTOR; FEMALE; SMT; MICRO USB B TYPE RECEPTACLE; RIGHT ANGLE; 5PINS	

28	J2	-	1	PBC06SAAN	SULLINS ELECTRONICS CORP.	PBC06SAAN	CONNECTOR; MALE; THROUGH HOLE; BREAKAWAY; STRAIGHT; 6PINS; -65 DEGC TO +125 DEGC
29	J3, J4	-	2	PBC03DAAN	SULLINS ELECTRONICS CORP.	PBC03DAAN	CONNECTOR; MALE; THROUGH HOLE; BREAKAWAY; STRAIGHT; 6PINS; -65 DEGC TO +125 DEGC
30	J5, J200-J207	-	9	TSW-102-07-T-S	SAMTEC	TSW-102-07-T-S	CONNECTOR; THROUGH HOLE; TSW SERIES; SINGLE ROW; STRAIGHT; 2PINS; -55 DEGC TO +105 DEGC
31	J9	-	1	S2B-PH-K-S(LF)(SN)	JST MANUFACTURING	S2B-PH-K-S(LF)(SN)	CONNECTOR; MALE; THROUGH HOLE; 2.0MM PITCH; DISCONNECTABLE CRIMP STYLE CONNECTOR; SIDE ENTRY TYPE; RIGHT ANGLE; 2PINS
32	L1	-	1	DFE201610E-1R5M=P2	MURATA	1.5UH	INDUCTOR; SMT (0806); MAGNETICALLY SHIELDED; 1.5UH; TOL=+/-20%; 2.1A
33	L2, L4, L5	-	3	BLM18AG601SN1	MURATA	600	INDUCTOR; SMT (0603); FERRITE-BEAD; 600; TOL=+/-; 0.5A
34	L3	-	1	DFE201210S-1R5M	MURATA	1.5UH	INDUCTOR; SMT (0805); METAL; 1.5UH; 20%; 2.0A
35	L7	-	1	CIGT252012LM1ROMNE	SAMSUNG	1UH	INDUCTOR; SMT (1008); METAL; 1UH; 20%; 3.8A
36	L8	-	1	DFE252012F-2R2M	MURATA	2.2UH	INDUCTOR; SMT (1008); SHIELDED; 2.2UH; 20%; 2.3A
37	L9	-	1	MAMK2520H2R2M	TAIYO YUDEN	2.2UH	INDUCTOR; SMT (1008); WIREWOUND; 2.2UH; 20%; 2.2A
38	PVDD, SBBO-SBB3, VDD, VUSB	-	7	5010	KEYSTONE	N/A	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.445IN; BOARD HOLE=0.063IN; RED; PHOSPHOR BRONZE WIRE SIL;
39	Q1, Q2	-	2	BSS138	ON SEMICONDUCTOR	BSS138	TRAN; LOGIC LEVEL ENHANCEMENT MODE FIELD EFFECT TRANSISTOR; NCH; SOT-23; PD-(0.36W); I-(0.22A); V-(50V); -55 DEGC TO +150 DEGC
40	Q200-Q203	-	4	IPC100N04S5L1R1ATMA1	INFINEON	IPC100N04S5L1R1ATMA1	TRAN; OPTIMOS 5 POWER-TRANSISTOR; NCH; PG-TDSON-8-34; PD-(150W); I-(100A); V-(40V)
41	Q205	-	1	FDN360P	FAIRCHILD SEMICONDUCTOR	FDN360P	TRANSISTOR, MOSFET P-CHANNEL, SUPERSOT-3, PD=0.5W, ID=-2.0A, VDSS=-30V, VGSS=+/-20V
42	Q206	-	1	2N7002;2N7002;2N7002;2N7002	DIODES INCORPORATED;ST MICROELECTRONICS;ON SEMICONDUCTOR;MICRO COMMERCIAL COMPONENTS	2N7002	TRAN; ; NCH; SOT-23; PD-(0.33W); IC-(0.5A); VCEO-(60V); -55 DEGC TO +150 DEGC
43	R1, R204, R225, R238, R251, R286, R302-R306	-	11	ANY	ANY	0	RESISTOR; 0402; 0 OHM; 1%; 100PPM; 0.0625W; THICK FILM; FORMFACTOR
44	R2, R6	-	2	ERJ-2GEJ103	PANASONIC	10K	RESISTOR; 0402; 10K OHM; 5%; 200PPM; 0.10W; THICK FILM
45	R3, R8, R33	-	3	CRCW040210M0FK	VISHAY DALE	10M	RESISTOR, 0402, 10M OHM, 1%, 100PPM, 0.0625W, THICK FILM
46	R4, R13, R210, R231, R244, R257, R301	-	7	CRCW04021M00FK	VISHAY DALE	1M	RESISTOR; 0402; 1M; 1%; 100PPM; 0.0625W; THICK FILM
47	R7, R32	-	2	CRCW04021R00FK	VISHAY DALE	1	RESISTOR, 0402, 1 OHM, 1%, 100PPM, 0.0625W, THICK FILM
48	R9, R19, R20, R29-R31, R52-R54	-	9	ERJ-2GE0R00	PANASONIC	0	RESISTOR; 0402; 0 OHM; 0%; JUMPER; 0.10W; THICK FILM
49	R10, R11	-	2	ERJ-2RKF27R0X;RC0402FR-0727RL;CRCW040227R0FK	PANASONIC;YAGEO PHICOMP;VISHAY DALE	27	RESISTOR, 0402, 27 OHM, 1%, 100PPM, 0.0625W, THICK FILM
50	R12	-	1	CRCW040212K0FK;MCR01MZPF1202	VISHAY DALE;ROHM SEMICONDUCTOR	12K	RESISTOR, 0402, 12K OHM, 1%, 100PPM, 0.0625W, THICK FILM
51	R16	-	1	CRCW04024752FK;9C04021A4752FLHF3;CRCW040247K5FK	VISHAY DALE;YAGEO;VISHAY DALE	47.5K	RESISTOR; 0402; 47.5K; 1%; 100PPM; 0.0625W; THICK FILM
52	R5, R214, R283, R17, R24	-	5	CRCW0402100KFK;RC0402FR-07100KL	VISHAY;YAGEO	100K	RESISTOR; 0402; 100K; 1%; 100PPM; 0.0625W; THICK FILM
53	R18	-	1	CRCW0402150RFK;9C04021A1500FL	VISHAY DALE;YAGEO	150	RESISTOR; 0402; 150 OHM; 1%; 100PPM; 0.0625W; THICK FILM
54	R21, R22	-	2	CRCW04024K70FK;MCR01MZPF4701	VISHAY DALE;ROHM SEMICONDUCTOR	4.7K	RESISTOR, 0402, 4.7K OHM, 1%, 100PPM, 0.0625W, THICK FILM
55	R23	-	1	CRCW0402169KFK	VISHAY DALE	169K	RESISTOR; 0402; 169K OHM; 1%; 100PPM; 0.063W; THICK FILM
56	R25, R26	-	2	CRCW04022K20FK;RC0402FR-072K2L	VISHAY DALE;YAGEO PHICOMP	2.2K	RESISTOR, 0402, 2.2K OHM, 1%, 100PPM, 0.0625W, THICK FILM
57	R27	-	1	CRCW040222R0FK	VISHAY DALE	22	RESISTOR, 0402, 22 OHM, 1%, 100PPM, 0.0625W, THICK FILM
58	R28	-	1	CRCW0402470RFK	VISHAY DALE	470	RESISTOR, 0402, 470 OHM, 1%, 100PPM, 0.0625W, THICK FILM
59	R34	-	1	CRCW04023R90FN	VISHAY DALE	3.9	RESISTOR, 0402, 3.9 OHM, 1%, 100PPM, 0.0625W, THICK FILM
60	R201, R222, R235, R248, R289	-	5	9C04021A1000FL; RC0402FR-07100RL	PANASONIC;YAGEO PHYCOMP	100	RESISTOR; 0402; 100 OHM; 1%; 100PPM; 0.063W; THICK FILM
61	R202, R223, R236, R249	-	4	CRCW0402680RFL;RC0402FR-07680RL	VISHAY DALE;YAGEO PHICOMP	680	RESISTOR, 0402, 680 OHM, 1%, 100PPM, 0.0625W, THICK FILM
62	R203, R224, R237, R250	-	4	CRCW040220K0FK	VISHAY DALE	20K	RESISTOR; 0402; 20K OHM; 1%; 100PPM; 0.063W; THICK FILM
63	R205, R206, R226, R228, R239, R240, R252, R253	-	8	ERJ-2RKF2002	PANASONIC	20K	RESISTOR; 0402; 20K OHM; 1%; 100PPM; 0.1W; THICK FILM
64	R14, R207, R208, R229, R230, R242, R243, R254, R255	-	9	ANY	ANY	1K	RESISTOR; 0402; 1K; 1%; 100PPM; 0.0625W; THICK FILM; FORMFACTOR
65	R211, R233, R245, R258	-	4	CRL1206-JW-R100ELF	BOURNS	0.1	RESISTOR, 1206, 0.1 OHM, 1%, 200PPM, 0.25W, THICK FILM

66	R212, R213, R227, R234, R246, R247, R259, R260	-	8	CRCW0402787KFK	VISHAY DALE	787K	RESISTOR; 0402; 787K OHM; 1%; 100PPM; 0.063W; METAL FILM
67	R277, R279	-	2	ANY	ANY	0	RESISTOR; 0603; 0 OHM; 0%; JUMPER; 0.10W; THICK FILM; FORMFACTOR
68	R281, R282, R287, R288	-	4	CRCW040210K0FK;RC0402FR-0710KL	VISHAY DALE;YAGEO PHICOMP	10K	RESISTOR; 0402; 10K; 1%; 100PPM; 0.0625W; THICK FILM
69	R293, R295, R297, R299	-	4	ERJ-2RK4703	PANASONIC	470K	RESISTOR, 0402, 470K OHM, 1%, 100PPM, 0.0625W, THICK FILM
70	R294, R296, R298, R300	-	4	CRCW0402649KFK	VISHAY DALE	649K	RESISTOR; 0402; 649K OHM; 1%; 100PPM; 0.063W; THICK FILM
71	SW1	-	1	EVQ-Q2K03W	PANASONIC	EVQ-Q2K03W	SWITCH; SPST; SMT; 15V; 0.02A; LIGHT TOUCH SWITCH; RCOIL= OHM; RINSULATION= OHM; PANASONIC
72	SW2	-	1	CL-SB-12B-11	NIDEC COPAL ELECTRONICS CORP	CL-SB-12B-11	SWITCH; SPDT; SMT; 12V; 0.2A; CL-SB SERIES; SLIDE SWITCH; RCOIL=0.05 OHM; RINSULATION=100M OHM
73	U1	-	1	MAX77655AEWE+	MAXIM	MAX77655AEWE+	EVKIT PART - IC; MAX77655AEWE+; LOW IQ SIMO PMIC WITH 4-OUTPUTS DELIVERING UP TO700MA TOTAL OUTPUT CURRENT; PACKAGE OUTLINE DRAWING: 21-100374; PACKAGE CODE: W161N1+1
74	U2	-	1	FT2232HL	FUTURE TECHNOLOGY DEVICES INTL LTD.	FT2232HL	IC; MMR; DUAL HIGH SPEED USB TO MULTIPURPOSE UART/FIFO; LQFP64
75	U3, U4	-	2	MAX8512EXK+	MAXIM	MAX8512EXK	IC, VREG, Ultra-Low-Noise, High PSRR, Adjustable Vout, SC70-5
76	U5	-	1	MAX3395EETC+	MAXIM	MAX3395EETC	IC; TRANS; 15KV ESD-PROTECTED HIGH-DRIVE CURRENT QUAD-LEVEL TRANSLATOR WITH SPEED-UP CIRCUITRY; TQFN12 4X4
77	U7	-	1	AT24CS02-SSHM	MICROCHIP	AT24CS02-SSHM	IC; EPROM; I2C-COMPATIBLE TWO-WIRE SERIAL EEPROM; 150MIL; NSOIC8
78	U200-U203	-	4	MAX44251AUA+	MAXIM	MAX44251AUA+	IC; OPAMP; ULTRA-PRECISION; LOW-NOISE OP AMP; UMAX8
79	U205	-	1	MAX5825AWP+	MAXIM	MAX5825AWP+T	IC; DAC; ULTRA-SMALL; OCTAL CHANNEL; 12-BIT BUFFERED OUTPUT DAC WITH INTERNAL REFERENCE AND I2C INTERFACE; WLP20
80	U209	-	1	MAX11614EEE+	MAXIM	MAX11614EEE+	IC; ADC; LOW-POWER; 8-CHANNEL; I2C; 12-BIT ADC IN ULTRA-SMALL PACKAGE; QSOP16
81	U210	-	1	MAX6071AAUT41+	MAXIM	MAX6071AAUT41+	IC; VREF; LOW NOISE; HIGH-PRECISION SERIES VOLTAGE REFERENCE; SOT23-6
82	U211	-	1	MAX1697UEUT+	MAXIM	MAX1697UEUT+	IC; INV; INVERTING CHARGE PUMP WITH SHUTDOWN; SOT23-6
83	Y1	-	1	7M-12.000MAAJ	TXC CORPORATION	12MHZ	CRYSTAL; SMT; 18PF; 12MHZ; +/-30PPM; +/-30PPM
84	PCB	-	1	MAX77655	MAXIM	PCB	PCB:MAX77655
85	B0_S, B1_S-B3_S	DNP	0	U.FL-R-SMT-1	HIROSE ELECTRIC CO LTD.	U.FL-R-SMT-1	CONNECTOR; MALE; SMT; ULTRA SMALL SURFACE MOUNT COAXIAL CONNECTOR; STRAIGHT; 2PINS
86	C12	DNP	0	TPSD107K020R0085	AVX	100UF	CAPACITOR; SMT; 7343; TANTALUM; 100uF; 20V; 10%; TPS; -55degC to +125degC
87	L6	DNP	0	DFE201610E-1R5M=P2	MURATA	1.5UH	INDUCTOR; SMT (0806); MAGNETICALLY SHIELDED; 1.5UH; TOL=+/-20%; 2.1A
88	C13, C15, C17, C18, C53, C54, C56-C59, C61, C62	DNP	0	N/A	N/A	OPEN	CAPACITOR; SMT (0402); OPEN; FORMFACTOR
89	R15, R37	DNP	0	N/A	N/A	OPEN	RESISTOR; 0402; OPEN; FORMFACTOR
TOTAL			290				