

TITLE: Bill of Materials

DATE: 05/16/2017

DESIGN: max77734_solderdown_revb

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

Column1	Column2	Column3	Column4
ITEM	REF_DES		QTY
1	NEN, SCL, SDA, AMUX, NIRQ, EN_EXT, POKLDO		7
2	VL, LDO, SYS, VIO, BATT, BATTN, CHGIN, INLDO		8
3	C1		1
4	C2		1
5	C3		1
6	C4		1
7	C5, C11		2
8	C6		1
9	C7		1
10	C10, C114		2
11	C12		1
12	C14, C108, C150, C151, C155-C157, C159, C217, C221-C223, C234, C235, C237, C244		16
13	C15		1
14	C110-C113, C115, C118, C120, C158, C242		9
15	C152, C153		2
16	C154		1
17	C216		1

18	C218, C219		2
19	C220, C249, C251		3
20	D1		1
21	D100, D101		2
22	D102, D103		2
23	FB100		1
24	GND1-GND4		4
25	SNS, THM, SINK1, SINK2, TBIAS, IN_SINK		6
26	J1, J8		2
27	J2, J5		2
28	J3, J4, J206, J207		4
29	J6, J7, J101		3
30	J9		1
31	J100		1
32	Q1		1
33	Q203		1
34	Q205		1
35	Q206		1
36	R1, R13, R15, R287, R288		5
37	R3, R142, R277, R279		4
38	R4, R122		2
39	R5, R7, R8, R14		4

40	R12		1
41	R100, R118		2
42	R103, R123, R150		3
43	R107, R108		2
44	R110		1
45	R2, R6, R9-R11, R115, R132, R157, R159, R161, R214, R280, R283		13
46	R133, R135, R136, R143, R148, R152, R155, R162-R165, R210-R213, R251, R259, R285, R286, R303, R304		21
47	R151		1
48	R156		1
49	R158		1
50	R160		1
51	R109, R111, R248		3
52	R249		1
53	R250		1
54	R252, R253		2
55	R254, R255		2
56	R257		1
57	R258		1
58	R299		1
59	R300		1
60	RT1		1
61	SW1		1
62	SW2		1
63	U1		1
64	U100		1
65	U101		1
66	U102-U104		3
67	U107		1

68	U108		1
69	U203		1
70	U205		1
71	U209		1
72	U210		1
73	Y101		1
74	PCB		1
75	R260	DNP	0
76	C8, C9, C129, C134	DNP	0
TOTAL			186

Column5	Column6	Column7
MFG PART #	MANUFACTURER	VALUE
5002	KEystone	N/A
5010	KEystone	N/A
C1005X5R1E225K050	TDK	2.2UF
GRM155R60J475ME87; GRM153R60J475ME15	MURATA	4.7UF
GRM155R70J105MA12	MURATA	1UF
GRM155C80J225KE95	MURATA	2.2UF
ANY	ANY	0.1UF
C1608X5R0J226M080AC	TDK	22UF
ANY	ANY	10UF
ANY	ANY	0.47UF
ANY	ANY	0.01UF
ANY	ANY	0.1UF
GRM188R61A105KA61; C1608X5R1A105K	MURATA/TDK	1UF
ANY	ANY	1UF
GRM1555C1H150FA01	MURATA	15PF
ANY	ANY	4.7UF
ANY	ANY	1000PF

C0402C180J5GAC; GRM1555C1H180JA01J;C1005COG1H180J050	KEMET/MURATA/TKD	18PF
C1005X5R1H472K050	TDK	4700PF
HSMF-C163	AVAGO TECHNOLOGIES	HSMF-C163
LTST-C190YKT	LITE-ON ELECTRONICS; INC.	LTST-C190YKT
LTST-C190CKT	LITE-ON ELECTRONICS; INC.	LTST-C190CKT
BLM18PG221SN1	MURATA	220
9020 BUSS	WEICO WIRE	MAXIMPAD
5000	KEYSTONE	N/A
10103592-0001LF	FCI CONNECT	10103592-0001LF
TSW-103-07-T-S	SAMTEC	TSW-103-07-T-S
TSW-102-07-T-S	SAMTEC	TSW-102-07-T-S
TSW-103-07-L-D	SAMTEC	TSW-103-07-L-D
S2B-PH-K-S(LF)(SN)	JST MANUFACTURING	S2B-PH-K-S(LF)(SN)
PEC08SAAN	SULLINS ELECTRONICS CORP.	PEC08SAAN
FDY300NZ	FAIRCHILD SEMICONDUCTOR	FDY300NZ
IRFHM8337TRPBF	INTERNATIONAL RECTIFIER	IRFHM8337TRPBF
FDN360P	FAIRCHILD SEMICONDUCTOR	FDN360P
2N7002	N/A	2N7002
CRCW040210K0FK; RC0402FR-0710K	VISHAY DALE; YAGEO PHICOMP	10K
ANY	ANY	0
ANY	ANY	1M
CRCW06030000Z0	VISHAY DALE	0

3296Y-1-204LF	BOURNS	200K
ANY	ANY	4.7K
ANY	ANY	22
ANY	ANY	2.2K
CRCW0402470RFK	VISHAY DALE	470
ANY	ANY	100K
ANY	ANY	0
CRCW0402150RFK; 9C04021A1500FL	VISHAY DALE	150
CRCW0402105KFK	VISHAY DALE	105K
CRCW0402169KFK	VISHAY DALE	169K
CRCW04024752FK; 9C04021A4752FLHF3; CRCW040247K5FK	VISHAY DALE	47.5K
CRCW0402100RFK;9C04021A1000FL;RC0402FR-07100RL	VISHAYDALE;PANASONIC;YAGEOPHYCOMP	100
CRCW0402680RFK;RC0402FR-07680RL	VISHAY DALE/YAGEO PHICOMP	680
CRCW040220K0FK	VISHAY DALE	20K
CRCW04024991FK	VISHAY DALE	4.99K
ANY	ANY	1K
CRCW04021M00FK	VISHAY DALE	1M
CSR1206FT1R00	STACKPOLE ELECTRONICS INC.	1
ERJ-2RKF4703X	PANASONIC	470K
CRCW0402649KFK	VISHAY DALE	649K
NCP15XH103F03RC	MURATA	10K
EVQ-Q2K03W	PANASONIC	EVQ-Q2K03W
CL-SB-12B-11	NIDEC COPAL ELECTRONICS CORP	CL-SB-12B-11
MAX77734CENP+T	MAXIM	MAX77734CENP+T
MAXQ2000-RBX+	MAXIM	MAXQ2000-RBX+
FT232RQ	FUTURE TECHNOLOGY DEVICES INTL LTD.	FT232RQ
MAX8512EXK	MAXIM	MAX8512EXK
MAX3395EETC	MAXIM	MAX3395EETC

24AA02T-I/OT	MICROCHIP	24AA02T-I/OT
MAX44251AUA+	MAXIM	MAX44251AUA+
MAX5805AAUB+	MAXIM	MAX5805AAUB+
MAX11644EUA+	MAXIM	MAX11644EUA+
MAX6037BAUK41+	MAXIM	MAX6037BAUK41+
CX3225SB16000D0FLIZZ	KYOCERA-KINSEKI	16MHZ
MAX77734_SOLDERDOWN_REVB	MAXIM	PCB
N/A	N/A	OPEN
N/A	N/A	OPEN

Column8	Column9
DESCRIPTION	COMMENTS
TEST POINT; PIN DIA=0.1IN; TOTAL LENGTH=0.3IN; BOARD HOLE=0.04IN; WHITE; PHOSPHOR BRONZE WIRE SILVER;	
TESTPOINT WITH 1.80MM HOLE DIA, RED, MULTIPURPOSE;	
CAPACITOR; SMT (0402); CERAMIC CHIP; 2.2UF; 25V; TOL=10%; TG=-55 DEGC TO +85 DEGC; TC=X5R	
CAPACITOR; SMT (0402); CERAMIC CHIP; 4.7UF; 6.3V; TOL=20%; TG=-55 DEGC TO +85 DEGC; TC=X5R	
CAPACITOR; SMT (0402); CERAMIC CHIP; 1UF; 6.3V; TOL=20%; TG=-55 DEGC TO +125 DEGC; TC=X7R	
CAPACITOR; SMT (0402); CERAMIC CHIP; 2.2UF; 6.3V; TOL=10%; TG=-55 DEGC TO +105 DEGC; TC=X6S	
CAPACITOR; SMT; 0402; CERAMIC; 0.1uF; 10V; 10%; X5R; -55degC to + 125degC; 0 +/-30PPM/degC; FORMFACTOR ;	
CAPACITOR; SMT (0603); CERAMIC CHIP; 22UF; 6.3V; TOL=20%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R	
CAPACITOR; SMT (0402); CERAMIC CHIP; 10UF; 6.3V; TOL=20%; MODEL=; TG=-55 DEGC TO +85 DEGC; TC=X5R; FORMFACTOR	
CAPACITOR; SMT; 0603; CERAMIC; 0.47uF; 10V; 10%; X5R; -55degC to + 125degC, ; FORMFACTOR	
CAPACITOR; SMT (0402); CERAMIC CHIP; 0.01UF; 6.3V; TOL=10%; MODEL=C0402C SERIES; TG=-55 DEGC TO +125 DEGC; TC=X7R	
CAPACITOR; SMT (0402); CERAMIC CHIP; 0.1UF; 25V; TOL=10%; MODEL=C SERIES; TG=-55 DEGC TO +125 DEGC; TC=X7R; FORMFACTOR	
CAPACITOR; SMT (0603); CERAMIC CHIP; 1UF; 10V; TOL=10%; MODEL=; TG=-55 DEGC TO +85 DEGC; TC=X5R;	
CAPACITOR; SMT (0402); CERAMIC CHIP; 1UF; 6.3V; TOL=20%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R ; FORMFACTOR	
CAPACITOR; SMT (0402); CERAMIC CHIP; 15PF; 50V; TOL=1%; TG=-55 DEGC TO +125 DEGC; TC=C0G	
CAPACITOR; SMT (0402); CERAMIC CHIP; 4.7UF; 10V; TOL=20%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R; FORMFACTOR	
CAPACITOR; SMT (0402); CERAMIC CHIP; 1000PF; 50V; TOL=10%; MODEL=C0G; TG=-55 DEGC TO +125 DEGC; TC=+; FORMFACTOR	

CAPACITOR; SMT (0402); CERAMIC CHIP; 18PF; 50V; TOL=5%; TG=-55 DEGC TO +125 DEGC; TC=C0G	
CAPACITOR; SMT (0402); CERAMIC CHIP; 4700PF; 50V; TOL=10%; TG=-55 DEGC TO +85 DEGC; TC=X5R	
DIODE; LED; MINIATURE BI-COLOR SURFACE MOUNT CHIPLEAD; RED-GREEN; SMT (0603); VF=1.9V; 3.4V; IF=0.02A; 0.01A	
DIODE; LED; STANDARD; YELLOW; SMT (0603); PIV=5.0V; IF=0.02A; -55 DEGC TO +85 DEGC	
DIODE; LED; STANDARD; RED; SMT (0603); PIV=5.0V; IF=0.04A; -55 DEGC TO +85 DEGC	
INDUCTOR; SMT (0603); FERRITE-BEAD; 220; TOL=+/-25%; 1.4A; -55 DEGC TO +125 DEGC	
EVK KIT PARTS; MAXIM PAD; WIRE; NATURAL; SOLID; WEICO WIRE; SOFT DRAWN BUS TYPE-S; 20AWG	
TEST POINT; PIN DIA=0.1IN; TOTAL LENGTH=0.3IN; BOARD HOLE=0.04IN; RED; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH;	
CONNECTOR; FEMALE; SMT; MICRO USB B-TYPE REVERSE; RIGHT ANGLE; 5PINS	
CONNECTOR; THROUGH HOLE; TSW SERIES; SINGLE ROW; STRAIGHT; 3PINS	
CONNECTOR; THROUGH HOLE; TSW SERIES; SINGLE ROW; STRAIGHT; 2PINS; -55 DEGC TO +105 DEGC	
CONNECTOR; MALE; THROUGH HOLE; THROUGH HOLE 0.025 POST HEADER; STRAIGHT; 6PINS	
CONNECTOR; MALE; THROUGH HOLE; 2.0MM PITCH; DISCONNECTABLE CRIMP STYLE CONNECTOR; SIDE ENTRY TYPE; RIGHT ANGLE; 2PINS	
CONNECTOR; MALE; THROUGH HOLE; .100IN CONTACT CENTER; MALE BREAKAWAY HEADER ; STRAIGHT; 8PINS	
TRAN; SINGLE N-CHANNEL 2.5V SPECIFIED POWERTRENCH MOSFET; NCH; SC89; PD-(0.625W); I-(0.6A); V-(20V)	
TRAN; HEXFET POWER MOSFET; NCH; PQFN8; PD-(2.8W); I-(18A); V-(30V)	
TRANSISTOR, MOSFET P-CHANNEL, SUPERSOT-3, PD=0.5W, ID=-2.0A, VDSS=-30V, VGSS=+/-20V	
TRAN; ; NCH; SOT-23; PD-(0.33W); IC-(0.5A); VCEO-(60V); -55 DEGC TO +150 DEGC	
RESISTOR; 0402; 10K; 1%; 100PPM; 0.0625W; THICK FILM	
RESISTOR; 0603; 0 OHM; 0%; JUMPER; 0.10W; THICK FILM; FORMFACTOR	
RESISTOR; 0603; 1M; 1%; 100PPM; 0.10W; THICK FILM; FORMFACTOR	
RESISTOR; 0603; 0 OHM; 0%; JUMPER; 0.1W; THICK FILM	

RESISTOR; THROUGH HOLE-RADIAL LEAD; 3296 SERIES; 200K OHM; 10%; 100PPM; 0.5W	
RESISTOR, 0402, 4.7K OHM, 1%, 100PPM, 0.0625W, THICK FILM; FORMFACTOR	
RESISTOR, 0402, 22 OHM, 1%, 100PPM, 0.0625W, THICK FILM; FORMFACTOR	
RESISTOR, 0402, 2.2K OHM, 1%, 100PPM, 0.0625W, THICK FILM; FORMFACTOR	
RESISTOR, 0402, 470 OHM, 1%, 100PPM, 0.0625W, THICK FILM	
RESISTOR; 0402; 100K; 1%; 100PPM; 0.0625W; THICK FILM; FORMFACTOR	
RESISTOR; 0402; 0 OHM; 1%; 100PPM; 0.0625W; THICK FILM; FORMFACTOR	
RESISTOR; 0402; 150 OHM; 1%; 100PPM; 0.0625W; THICK FILM	
RESISTOR; 0402; 105K OHM; 1%; 100PPM; 0.063W ; THICK FILM	
RESISTOR; 0402; 169K OHM; 1%; 100PPM; 0.063W; THICK FILM	
RESISTOR; 0402; 47.5K; 1%; 100PPM; 0.0625W; THICK FILM	
RESISTOR;0402;100OHM;1%;100PPM;0.063W;THICKFILM	
RESISTOR, 0402, 680 OHM, 1%, 100PPM, 0.0625W, THICK FILM	
RESISTOR; 0402; 20K OHM; 1%; 100PPM; 0.063W; THICK FILM	
RESISTOR; 0402; 4.99K; 1%; 100PPM; 0.0625W; THICK FILM	
RESISTOR; 0402; 1K; 1%; 100PPM; 0.0625W; THICK FILM; FORMFACTOR	
RESISTOR; 0402; 1M; 1%; 100PPM; 0.0625W; THICK FILM	
RESISTOR; 1206; 1 OHM; 1%; 100PPM; 0.5W; THICK FILM	
RESISTOR, 0402, 470K OHM, 1%, 100PPM, 0.0625W, THICK FILM	
RESISTOR; 0402; 649K OHM; 1%; 100PPM; 0.063W; THICK FILM	
THERMISTOR; SMT (0402); THICK FILM (NICKEL PLATED); 10K; TOL=+/-1%	
SWITCH; SPST; SMT; 15V; 0.02A; LIGHT TOUCH SWITCH; RCOIL= OHM; RINSULATION= OHM; PANASONIC	
SWITCH; SPDT; SMT; 12V; 0.02A; CL-SB SERIES; SLIDE SWITCH; RCOIL=0.05 OHM; RINSULATION=100M OHM; NIDEC COPAL ELECTRONICS CORP	
EVKIT PART-IC; MAX77734; 0.4MM PITCH PACKAGE; BGA20; PACKAGE OUTLINE: 21-100154; PACKAGE CODE: N201B2+1	
IC; CTRL; LOW-POWER LCD MICROCONTROLLER; TQFN56-EP 8X8	
IC; INFC; UART INTERFACE IC USB TO SERIAL; QFN32-EP 5X5	
IC, VREG, Ultra-Low-Noise, High PSRR, Adjustable Vout, SC70-5	
IC; TRANS; 15KV ESD-PROTECTED HIGH-DRIVE CURRENT QUAD-LEVEL TRANSLATOR WITH SPEED-UP CIRCUITRY; TQFN12 4X4	

IC; EPROM; 2K I2C SERIAL EEPROM; SOT23-5	
IC; OPAMP; ULTRA-PRECISION; LOW-NOISE OP AMP; UMAX8	
IC; DAC; ULTRA-SMALL, SINGLE-CHANNEL, 12-BIT BUFFERED OUTPUT DAC WITH INTERNAL REFERENCE AND I2C INTERFACE; UMAX10	
IC; ADC; LOW-POWER; 2-CHANNEL; I2C; 12-BIT ADCS IN ULTRA-TINY 1.9MMX2.2MM PACKAGE; UMAX8 1.9X2.2	
IC; VREF; LOW-POWER; FIXED; ADJUSTABLE REFERENCE WITH SHUTDOWN; SOT23-5	
CRYSTAL; SMT (3225) 3.2X2.5; 8PF; 16MHZ; +/-10PPM; +/-15PPM	
PCB:MAX77734_SOLDERDOWN_REVB	-
RESISTOR; 0402; OPEN; FORMFACTOR	
CAPACITOR; SMT (0402); OPEN; FORMFACTOR	