

TITLE: Bill of Materials							
DATE: 10/25/2017							
DESIGN: maxrefdes1044_apps_p1							
NOTE: DNI--> DO NOT INSTALL(PACKOUT) ; DNP--> DO NOT PROCURE							
ITEM	REF_DES	DNI/DNP	QTY	MFG PART #	MANUFACTURER	VALUE	DESCRIPTION
1	BAT	-	1	BATTERY_PAD_3MM	N/A	BATTERY_PAD_3MM	EVKIT PART-BATTERY PAD; 2.35MM X 0.40MM; 3MM PITCH; CUSTOM BATTERY PAD FOOTPRINT
2	C1, C5, C15-C17, C19, C20	-	7	CGA2B3X7R1H104K; C1005X7R1H104K050BB; GRM155R71H104KE14	TDK; MURATA	0.1UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 0.1UF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R
3	C2, C14, C22	-	3	GRM155R60J475ME87; GRM153R60J475ME15	MURATA	4.7UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 4.7UF; 6.3V; TOL=20%; TG=-55 DEGC TO +85 DEGC; TC=X5R
4	C3, C4	-	2	EVK105CH4R3JW	TAIYO YUDEN	4.3PF	CAP; SMT (0402); 4.3PF; 5%; 16V; COH; CERAMIC CHIP
5	C6, C7	-	2	HPC0402A470FXZ	VISHAY SILICONIX	47PF	CAPACITOR; SMT (0402); SILICON; 47PF; 10V; TOL=1%; MODEL=; TG=-55 DEGC TO +125 DEGC; TC=+/-30PPM/DEG
6	C8-C13, C18, C23, C28-C30	-	11	GRM155C80J105KE15	MURATA	1UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 1UF; 6.3V; TOL=10%; MODEL=GRM SERIES; TG=-55 DEGC TO +105 DEGC; TC=X6S
7	C21	-	1	GRM155R60J106ME44; GRM155R60J106ME47; C1005X5R0J106M050BC; CL05A106MQ5NUN; C0402C106M9PAC	MURATA; TDK; SAMSUNG ELECTRONICS; KEMET	10UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 10UF; 6.3V; TOL=20%; TG=-55 DEGC TO +85 DEGC; TC=X5R
8	C24	-	1	GRM155R61C225KE44	MURATA	2.2UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 2.2UF; 16V; TOL=10%; TG=-55 DEGC TO +85 DEGC; TC=X5R
9	C25, C26	-	2	GRM155R61C105KA12	MURATA	1UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 1UF; 16V; TOL=10%; TG=-55 DEGC TO +85 DEGC; TC=X5R
10	C27	-	1	GRM188Z71C475KE21	MURATA	4.7UF	CAPACITOR; SMT (0603); CERAMIC CHIP; 4.7UF ; 16V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R
11	D1	-	1	LT L29S-P2R1-25-Z	OSRAM	LT L29S-P2R1-25-Z	DIODE; LED; SMART; GREEN; SMT (0603); PIV=5V; IF=0.015A; -40 DEGC TO +100 DEGC
12	J1	-	1	VG-2832TSWUG01	FUTUREWAY TECHNOLOGY	VG-2832TSWUG01	MODULE; DSPLY; OEL DISPLAY MODULE; WIREMOUNT; 8.7MMX29MMX1.2MM;
13	L1	-	1	FCM1608KF-601T03	TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD	600	INDUCTOR; SMT (0603); FERRITE-BEAD; 600; TOL=+/-25%; 0.35A ;
14	L2	-	1	BLM18AG601SN1	MURATA	600	INDUCTOR; SMT (0603); FERRITE-BEAD; 600; TOL=+/-; 0.5A
15	R1	-	1	ERJ-2RKF1002	PANASONIC	10K	RESISTOR; 0402; 10K OHM; 1%; 100PPM; 0.10W; THICK FILM
16	R2, R3	-	2	CRCW040227R0FK	VISHAY DALE	27	RESISTOR; 0402; 27 OHM; 1%; 100PPM; 0.063W; THICK FILM
17	R4	-	1	ERJ-2RKF1001X	PANASONIC	1K	RESISTOR; 0402; 1K OHM; 1%; 100PPM; 0.10W; THICK FILM
18	R6	-	1	ERJ-2RKF5102	PANASONIC	51K	RESISTOR; 0402; 51K OHM; 1%; 100PPM; 0.1W; THICK FILM
19	R7	-	1	ERJ-2RKF9102	PANASONIC	91K	RESISTOR; 0402; 91K OHM; 1%; 100PPM; 0.1W; THICK FILM
20	R8	-	1	CRCW0402200KFK; RF73H1ELTP2003	VISHAY DALE	200K	RESISTOR; 0402; 200K; 1%; 100PPM; 0.0625W; THICK FILM
21	R9	-	1	CRCW0402300KFK	VISHAY DALE	300K	RESISTOR; 0402; 300K OHM; 1%; 100PPM; 0.063W; THICK FILM
22	R10	-	1	ERJ-2RKF1803X	PANASONIC	180K	RESISTOR, 0402, 180K OHM, 1%, 100PPM, 0.0625W, THICK FILM
23	R11	-	1	ERJ-2GEJ104X	PANASONIC	100K	RESISTOR; 0402; 100K OHM; 5%; 200PPM; 0.10W; THICK FILM
24	R12, R13, R16, R20	-	4	ERJ-2GE0R00X	PANASONIC	0	RESISTOR; 0402; 0 OHM; 0%; JUMPER; 0.10W; THICK FILM
25	R14	-	1	ERJ-2RKF3903X	PANASONIC	390K	RESISTOR, 0402, 390K OHM, 1%, 100PPM, 0.0625W, THICK FILM
26	R15	-	1	ERJ2RHD1002	PANASONIC	10K	RES; SMT (0402); 10K; 0.5%; +/-50PPM/DEGC; 0.063W
27	R17-R19	-	3	ERJ-2RKF4701	PANASONIC	4.7K	RESISTOR; 0402; 4.7K OHM; 1%; 100PPM; 0.10W; THICK FILM
28	R27	-	1	ERJ-2RKF4703X	PANASONIC	470K	RESISTOR, 0402, 470K OHM, 1%, 100PPM, 0.0625W, THICK FILM
29	R38	-	1	ERJ-2RKF1003X	PANASONIC	100K	RESISTOR; 0402; 100K OHM; 1%; 100PPM; 0.10W; THICK FILM
30	S1, S2	-	2	EVP-AWCD2A	PANASONIC	EVP-AWCD2A	SWITCH; SPST; SMT; STRAIGHT; 15V; 0.02A; EVP-AW SERIES
31	U2	-	1	MAX30101EFD+	MAXIM	MAX30101EFD+	IC; SN5R; HIGH-SENSITIVITY PULSE OXIMETER AND HEART-RATE SENSOR IC FOR WEARABLE HEALTH; OLGA14 3.3X5.6
32	U5	-	1	MAX6864UK31D3L+	MAXIM	MAX6864UK31D3L+	IC; UP; NANOPOWER MICROPROCESSOR SUPERVISORY CIRCUIT WITH MANUAL RESET AND WATCHDOG TIMER; SOT23-5
33	U7	-	1	FT234XD	FUTURE TECHNOLOGY	FT234XD	IC; INFC; USB TO BASIC UART; DFN12-EP
34	U8	-	1	ZX62RD-AB-5P8	HIROSE ELECTRIC CO LTD.	ZX62RD-AB-5P8	CONNECTOR; MALE; SMT; MICRO-USB CONNECTOR MEETING REQUIREMENTS OF USB 2.0 STANDARD; RIGHT ANGLE; 5PINS
35	U9	-	1	STM32L432KCU6	ST MICROELECTRONICS	STM32L432KCU6	IC; UCON; ULTRA LOW POWER ARM; CORTEX -M4 32BIT MCU+FPU; 100DMIPS; UP TO 256KB FLASH; 64KB SRAM; USB FS; ANALOG AUDIO ; UFQFPN32
36	U10	-	1	MAX1555EZK+	MAXIM	MAX1555EZK+	IC; PWM; DUAL INPUT USB/AC ADAPTER 1-CELL LI+ BATTERY CHARGER; SOT23-5
37	U11, U12	-	2	MAX8892EXK+	MAXIM INTEGRATED	MAX8892EXK+	IC; VREG; HIGH PSRR; LOW DROP-OUT LINEAR REGULATOR; SC70-5
38	U13, U14	-	2	MAX40200AUK+	MAXIM	MAX40200AUK+	EVKIT PART-IC; SWTC; ULTRA-TINY MICROPOWER; 1A IDEAL DIODE WITH ULTRA-LOW VOLTAGE DROP; PACKAGE OUTLINE: 21-0057; PACKAGE CODE: U5-1; SOT23-5
39	Y1	-	1	NX3215SA-32.768K-EXS00A	NIHON DEMPA KOGYO CO	32.768KHZ	CRYSTAL; SMT 3.2MMX1.5MM; 6PF; 32.768KHZ; +/-20PPM; +/-0.04PPM
40	PCB	-	1	MAXREFDES1044_APPS_P1	MAXIM	PCB	PCB:MAXREFDES1044_APPS_P1
41	J2, J3	DNP	0	SSW-102-01-T-S	SAMTEC	SSW-102-01-T-S	CONNECTOR; FEMALE; THROUGH-HOLE 0.025in POST SOCKET; STRAIGHT; 2PINS
42	J4	DNP	0	PBC05SAAN	SULLINS ELECTRONICS	PBC05SAAN	CONNECTOR; MALE; THROUGH HOLE; BREAKAWAY; STRAIGHT; 5PINS; -65 DEGC TO +125 DEGC
TOTAL			70				