TITLE: Bill of Materials
DATE: 09/09/2019
DESIGN: max86141_spo2_1mm_apps_p3
VARIANT:do_not_purchase

ITEM	QTY	REF DES	MAXINV	MFG PART #	MANUFACTURER	VALUE	DESCRIPTION	STATUS
							CAPACITOR; SMT (0402); CERAMIC CHIP; 22UF; 6.3V; TOL=20%; TC=X5R	
		C1-C5,					;NOTE: THESE PARTS HAVE 52 WEEKS LEAD TIME; MANUFACTURING	NOT
1	7	C10, C11	20-0022U-BA80	GRM155R60J226ME11	MURATA	22UF	DELAYS HAVE BEEN REPORTED ON THIS PRODUCT	RECOMMENDED
		C6, C9,						EVKIT-NOT FOR
2	3	C13	20-0001U-EA78	GRM033C81A105ME05	MURATA	1UF	CAP; SMT (0201); 1UF; 20%; 10V; X6S; CERAMIC CHIP	TEST
				GRM155R61A106ME44;				
				GRM155R61A106ME11;				
				0402ZD106MAT2A;	MURATA; MURATA;		CAPACITOR; SMT (0402); CERAMIC CHIP; 10UF; 10V; TOL=20%; TG=-55	
3	1	C7	20-0010U-BA12	CL05A106MP5NUNC	AVX; SAMSUNG	10UF	DEGC TO +85 DEGC; TC=X5R	ACTIVE
					,		CAPACITOR; SMT (0201); CERAMIC CHIP; 1UF; 10V; TOL=20%; TG=-55 DEGC	
4	1	C8	20-0001U-AA20	GRM033R61A105ME15	MURATA	1UF	TO +85 DEGC; TC=X5R	ACTIVE
							CAPACITOR; SMT (0201); CERAMIC CHIP; 0.1UF; 16V; TOL=10%; TG=-55	EVKIT-NOT FOR
5	2	C12, C15	20-000U1-BA99	GRM033C71C104KE14	MURATA	0.1UF	DEGC TO +125 DEGC; TC=X7S	TEST
	_	012, 013	20 00001 27.03	CHINGSON TOTO INCT I		0.10.	2200 10 1223 2200, 10 X/2	NOT
6	1	DS1	30-CTDBLP31125C8C56J6Q6-00	CT DBLP31.12-5C8C-56-J6Q6	OSRAM	CT DBLP31.12-5C8C-56-J6Q6	DIODE; LED; GREEN; SMT; VF=2.3V; IF=0.02A; NOTE:SPECIAL ORDER ONLY	RECOMMENDED
	-	551	55 C.552. 511236663636Q6 C6	0. 221. 21.11 2000 30 30 00	0010101	0. 552. 51.12 5000 50 50 000	Siesz, Ezs, enzzn, em, v. ziev, ii. eiezz, nerziei zeinz enzzn enz	
							DIODE; LED; RED; GREEN; INFRARED; SMT; VF=2.1V; 3V; 1.3V; IF=0.04A;	NOT
7	2	DS2, DS3	30-SFH7013-00	SFH 7013	OSRAM	SFH 7013	0.03A; 0.06A; NOTE: ORDERED DIRECTLY FROM MANUFACTURER	RECOMMENDED
		032, 033	30-31117013-00	31117013	OSITAIVI	31117013	CONNECTOR; FEMALE; SMT; EASY-ON TYPE FPC CONNECTOR; RIGHT	EVKIT-NOT FOR
8	1	J1	01-501616257525P-29	5016162575	MOLEX	5016162575	ANGLE; 25PINS	TEST
	1	71	01 3010102373231 23	3010102373	IVIOLEX	3010102373	ANGLE, 231 INS	11231
					VISHAY		EVKIT CUSTOM - DIODE; SILICON PIN PHOTODIODE; SMT; VR=20V;	
9	2	PD1. PD2	00-SAMPLE-01	VEMD8080	SEMICONDUCTORS	VEMD8080	IR=0.00001A	EVKIT-CUSTOM
		R1-R5.	OU SAIVII EE UI	VEIVIDOGG	SEIVIICONDOCTORS	VEIVIDGOGO	IN-0.00001A	EVKIT-COSTOWI
		R10, R11,						
		R13, R16-						
		R18, R21,		CRCW02010000ZS; ERJ-	VISHAY DALE;			
10	13	R22	80-0000R-95	1GN0R00	PANASONIC	0	RESISTOR; 0201; 0 OHM; 0%; JUMPER; 0.05W; THICK FILM	ACTIVE
10	13	NZZ	80-0000K-93	IGNOROO	PANASONIC	U	RESISTOR; 0201; 10 OHM; 1%; 100PPM; 0.05W; THICK FILM 3-LAYER	ACTIVE
11	1	R6	80-0010R-95	ERJ-1GEF10R0	PANASONIC	10	ELECTRODE	ACTIVE
11	1	NO	80-0010K-93	EKJ-1GEF10K0	PANASONIC	10	RESISTOR; 0201; 3.3K OHM; 1%; 100PPM; 0.05W; THICK FILM 3-LAYER	ACTIVE
12	2	R7, R9	80-003K3-95	ERJ-1GEF3301C	PANASONIC	3.3K	ELECTRODE	ACTIVE
12		117, 113	00-003/2-33	FIN-TGEL2201C	FAINASUNIC	3.31	LLLCINODL	ACTIVE
13	2	R12, R23	80-0100K-23	N/A	N/A	100K	RESISTOR; 0402; 100K; 1%; 100PPM; 0.0625W; THICK FILM; FORMFACTOR	EVKIT-CUSTOM
12		N12, N23	00-0100V-52	IV/A	IN/A	100K	EVKIT PART-IC; OPTICAL ANALOG FRONT-END (AFE) OPTIMIZE FOR HR ON	LVKIT-CUSTOW
14	1	U1	00-SAMPLE-02	MAX86141	MAXIM	MAX86141	WRIST APPLICATION; WLP20	EVKIT-CUSTOM
14	1	01	UU-SAIVIPLE-UZ	IVIAA00141	INIWVIINI	IVIAA00141	WINDI AFFLICATION, WLFZU	EVKIT-COSTOW EVKIT-NOT FOR
15	1	U2	10-KX1221037-L	KX122-1037	KIONIX	KX122-1037	IC; SNSR; +/-2G/4G/8G TRI-AXIS DIGITAL ACCELEROMETER; LGA12	TEST
12	1	UZ	10-IVV155102\-F	VV155-1021	KIUNIA	IVV155-1021	IC, SNSN, +/-20/40/00 INI-AND DIGITAL ACCELERUIVIETER; LGATZ	EVKIT-NOT FOR
16	1	U3	10-MAX4740ETE-T	MAX4740ETE+	MAXIM	MAX4740ETE+	IC. ASMI, OLIAD SDDT ALIDIO SMITCH, TOENIAG ED 2V2	TEST
10	1	03	TU-IVIAX4/4UETE-T	IVIAA4/4UETE+	IVIAAIIVI	IVIAA4/4UETE+	IC; ASW; QUAD SPDT AUDIO SWITCH; TQFN16-EP 3X3	IESI
							EVKIT PART - IC; MAX32664GWEZ+; ULTRA-LOW POWER BIOMETRIC	
			00 CANADI E 03	MANY22664614757	B 4 6 3/18 4	MANY22CCACUA'57	SENSOR HUB; WLP16; PACKAGE OUTLINE DRAWING NUMBER: 21-100241;	EVILLE CONTROL
17	1	U4	00-SAMPLE-03	MAX32664GWEZ+	MAXIM	MAX32664GWEZ+	PACKAGE CODE: W161K1+1	EVKIT-CUSTOM
40			50 20V75 257	C144 C4 C	CITIZEN	22 7500//17	CDVCTAL CART 4 CAR AVALANA CDE DO 7000VUZ . / 2000V	EVKIT-NOT FOR
18 TOTAL	43	Y1	60-32K76-0ET	CM1610H32768DZB	CITIZEN	32.7680KHZ	CRYSTAL; SMT 1.6MMX1MM; 6PF; 32.7680KHZ; +/-20PPM	TEST

PACKOUT (These are purchased parts but not assembled on PCB and will be shipped with PCB)

ITEM	QTY	REF DES	MAXINV	MFG PART #	MANUFACTURER	VALUE	DESCRIPTION	STATUS

TOTAL 0

TOTAL 43