

TITLE: Bill of Materials
 DATE: 11/22/2021
 DESIGN: max30001_evsys_evkit_a
 VARIANT:assy-01

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

ITEM	REF_DES	DNI/DNP	QTY	MFG PART #	MANUFACTURER	VALUE
	1 1V8, 3V3, BB -			13 PCC03SAAN	SULLINS	PCC03SAAN
	2 AGND, AGNI -			26 5011	KEYSTONE	N/A
	3 AVDD, DVDD -			4 5010	KEYSTONE	N/A
	4 BP_BN, BUFI -			25 5-146280-2	TE CONNECT	5-146280-2
	5 C1, C2 -			2 C0805C473J3	KEMET	0.047UF
	6 C3, C30 -			2 C0805C224J3	KEMET	0.22UF
	7 C4 -			1 UMK107AB7	TAIYO YUDEI	1UF
	8 C5-C7, C16-C -			10 GRM188R61	MURATA	10UF
	9 C9, C10, C14, -			4 C3216X7R1H	TDK	3.3UF
	10 C11-C13, C22 -			4 C1608X7R1E	TDK	0.1UF
	11 C27, C31 -			2 KRM31KR72	MURATA	2.2UF
	12 C32 -			1 C0603C102J5	KEMET;AVX	1000PF
	13 C_BB, C_BIN -			7 41828-50	PLASTICS ON	41828-50
	14 D1 -			1 LTST-C194KC	LITE-ON ELE	LTST-C194KC
	15 J8 -			1 PPPC161LFBI	SULLINS ELE	PPPC161LFBI
	16 J9 -			1 PPPC121LFBI	SULLINS ELE	PPPC121LFBI
	17 KIT1 -			1 89-32630#KF	MAXIM	89-32630#KF
	18 MISC1 -			1 AK67421-1-R	ASSMANN	AK67421-1-R
	19 MISC2 -			1 ECG-PRO-3-\	OLIMEX	ECG-PRO-3-\
	20 MISC3 -			1 LRPC012SAD	SULLINS ELE	LRPC012SAD
	21 MISC4 -			1 LRPC016SAD	SULLINS ELE	LRPC016SAD
	22 R1, R31 -			2 ERA-6ARW5	PANASONIC	51K
	23 R2, R3 -			2 CRCW06031I	VISHAY; PAN	1K
	24 R4, R10 -			2 3296Y-202LF	BOURNS	2K
	25 R5, R6 -			2 CRCW06031I	VISHAY DALE	1.33K
	26 R7 -			1 3296Y-1-103	BOURNS	10K
	27 R9, R11, R36 -			3 CRCW06031I	VISHAY DALE	100K
	28 R12 -			1 RN73C1J324	TE CONNECT	324K
	29 R13, R18, R1 -			4 RG1608P-10	SUSUMU CO	100
	30 R14 -			1 RG1608P-47	SUSUMU CO	470
	31 R20, R25 -			2 ERA-3ARB10	PANASONIC	10K
	32 R26, R27, R2 -			4 CRCW06030I	VISHAY;ROH	0
	33 SU1-SU29 -			29 STC02SYAN	SULLINS ELE	STC02SYAN
	34 U1 -			1 MAX30001G	MAXIM	MAX30001G
	35 U2 -			1 MAX1806EU	MAXIM	MAX1806EU
	36 U3 -			1 MAX8512EX	MAXIM	MAX8512EX
	37 U4 -			1 MAX44263A	MAXIM	MAX44263A

38 U5 -
39 PCB -
40 R8, R15-R17 DNP
41 C8, C24-C26, DNP

1 SG-3030-JF-3 EPSON 32.768KHZ
1 MAX30001E\ MAXIM PCB
0 CRCW06031(VISHAY DALE 100K
0 N/A N/A OPEN

TOTAL

168

DESCRIPTION COMMENTS

CONNECTOR

TEST POINT;

TESTPOINT V

CONNECTOR

CAP; SMT (08 COG

CAP; SMT (08 COG

CAP; SMT (08

CAPACITOR;

CAP; SMT (12

CAPACITOR;

CAP; SMT (12

CAP; SMT (08

CONNECTOR

DIODE; LED; 1

CONNECTOR

CONNECTOR

MODULE; BC

CONNECTOR

CABLE ASSEM

EVKIT PART -

EVKIT PART -

RES; SMT (08

RES; SMT (08

RESISTOR; TI

RES; SMT (08

RESISTOR; TI

RES; SMT (08

TEST POINT;

IC; AFEC; ULT

IC; VREG; LO

IC, VREG, UH

IC; OPAMP; 1

CRYSTAL; SM
PCB:MAX300 -
RES; SMT (0f DNI
PACKAGE OL