

TITLE: Bill of Materials
 DATE: 07/08/2020
 DESIGN: max25605_evkit_a
 VARIANT:dni

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

ITEM	REF_DES	DNI/DNP	QTY	MFG PART #	MANUFACTURER	VALUE
1	BAT_VIN_U1	-	19	9020 BUSS	WEICO	WIRE MAXIMPAD
2	C1, C38	-	2	C0603C103K	KEMET	0.01UF
3	C2, C4	-	2	C0603C475K	KEMET;TAIYO	4.7UF
4	C3, C5	-	2	C0603C105K	KEMET;MUR	1UF
5	C6, C8, C26, C	-	5	CC0603KRX7	YAGEO;MUR	0.1UF
6	C7, C9, C14, C	-	6	GRM1885C1	MURATA;TD	1000PF
7	C10, C11, C2	-	4	C0603X7R50	VENKEL LTD.	4700PF
8	C12, C13, C3	-	4	C0603C104K	KEMET;TDK;F	0.1UF
9	C16, C17, C2	-	6	C2012X7R1H	TDK	2.2UF
10	C22, C23, C4	-	3	GRM31CR71	MURATA;ML	4.7UF
11	C25, C31, C3	-	3	C1608X5R1E	TDK;TAIYO Y	2.2UF
12	C35, C43	-	2	C0603C102K	KEMET;TDK	1000PF
13	C41	-	1	GRM21BR61	MURATA;PA	10UF
14	C42	-	1	NFM21HC22	MURATA	0.022UF
15	C44-C47	-	4	C0402C103K	KEMET;MUR	0.01UF
16	D1-D4, D98, D	-	6	1N4148WS-7	DIODES INCC	1N4148WS-7
17	D5, D6	-	2	B160-13-F	DIODES INCC	B160-13-F
18	D7	-	1	BZX384B5V1	VISHAY SEMI	5.1V
19	D8	-	1	TDZ15J	NEXPERIA	15V
20	DS1, DS2	-	2	SML-LXT080	LUMEX OPTC	SML-LXT080
21	DS3, DS4	-	2	APT2012SUR	KINGBRIGHT	APT2012SUR
22	EMG, PWM	-	16	5123	KEYSTONE	N/A
23	FB1, FB2	-	2	BLM21PG22	MURATA	22
24	J1, J2	-	2	PEC03DAAN	SULLINS ELE	PEC03DAAN
25	J10, J20, J30,	-	5	PCC02SAAN	SULLINS	PCC02SAAN
26	J12	-	1	PBC20SBAN	SULLINS COM	PBC20SBAN
27	JU1, JU2	-	2	MNT-102-BK	SAMTEC	MNT-102-BK
28	JU10, JU20, J	-	4	SNT-100-BK-	SAMTEC	SNT-100-BK-
29	L1, L2	-	2	XAL5050-153	COILCRAFT	15UH
30	L3	-	1	XAL4020-222	COILCRAFT	2.2UH
31	LED1-LED12	-	12	KY DMLS31.2	OSRAM	KY DMLS31.2
32	MECH1-MEC	-	4	1902B	GENERIC PAI	1902B
33	Q1-Q4, Q9, C	-	13	2N7002;2N7	DIODES INCC	2N7002
34	Q5, Q6	-	2	BUK9M19-6C	NEXPERIA	BUK9M19-6C
35	Q7, Q8	-	2	FDC3535	FAIRCHILD SI	FDC3535
36	Q10	-	1	SI7461DP-T1	VISHAY SILIC	SI7461DP-T1
37	Q11	-	1	FDN342P	FAIRCHILD SI	FDN342P

38 Q13, Q15	-	2 MMBT2907A FAIRCHILD SI	MMBT2907A	
39 R1, R2, R12,	-	11 CRCW06032I VISHAY;PAN/	2K	
40 R3, R5	-	2 CRCW06031I VISHAY DALE	100K	
41 R4, R6	-	2 3296W-1-10 BOURNS	100K	
42 R7, R8	-	2 CRCW06034I VISHAY DALE		49.9
43 R9, R10, R28-		11 CRCW06031I VISHAY DALE	10K	
44 R11, R21, R2-		23 CRCW06030I VISHAY;ROH		0
45 R13, R52, R6-		3 CRCW06031I VISHAY DALE	1M	
46 R17, R20	-	2 CRCW06033I VISHAY DALE	3.32K	
47 R18, R19	-	2 CRCW06032I VISHAY DALE		2
48 R22, R24	-	2 CRCW06031I VISHAY DALE		100
49 R25, R26	-	2 ERJ-8CWFR0 PANASONIC		0.043
50 R27, R30	-	2 CRCW06033I VISHAY DALE	390K	
51 R29, R32, R1-		4 ERJ-8BQFR2 PANASONIC		0.27
52 R33, R34, R9-		4 CRCW08050I DIGI-KEY		0
53 R35, R36, R7-		3 CRCW06034I VISHAY DALE	4.99K	
54 R37, R38	-	2 CRCW06034I VISHAY DALE	49.9K	
55 R42-R44	-	3 CRCW06032I VISHAY DALE	200K	
56 R54, R55	-	2 CRCW06033I VISHAY DALE		330
57 R57, R58	-	2 3266W-1-50 BOURNS	50K	
58 R59, R61, R6-		4 CRCW06039I VISHAY DALE		95.3
59 R60, R62	-	2 CRCW06031I VISHAY DALE	1.05K	
60 R64, R66	-	2 CRCW06032I VISHAY DALE		200
61 R67, R68	-	2 NRC06F4220 NIC COMPO		422
62 R72, R73	-	2 CRCW08051I VISHAY DALE	1.62K	
63 R97, R98	-	2 CRCW06038I VISHAY DALE	82K	
64 SCREW1-SCF-		6 561-P440.37 GENERIC PAI	P440.375	
65 SPACER1-SP/		8 9032 KEYSTONE	9032	
66 SW1, SW2	-	2 100SP1T1B1 E-SWITCH	100SP1T1B1	
67 SW3-SW10	-	8 GT11MCBE C&K	GT11MCBE	
68 TP1	-	1 7006 KEYSTONE	7006	
69 TP2	-	1 7007 KEYSTONE	7007	
70 U1	-	1 MAX25605A MAXIM	MAX25605A	
71 U2	-	1 MAX25605AI MAXIM	MAX25605AI	
72 U3, U4	-	2 MAX25611A MAXIM	MAX25611A	
73 U5	-	1 MAX9031AU MAXIM	MAX9031AU	
74 U6	-	1 MAX5084AT MAXIM	MAX5084AT	
75 PCB	-	1 MAX25605 MAXIM	PCB	
76 COVER1	DNI	1 MAX25605_C MAXIM	MAX25605_C	
77 R105	DNP	0 CRCW08050I DIGI-KEY		0
78 C36, C37	DNP	0 N/A	N/A	OPEN

TOTAL

282

DESCRIPTION COMMENTS

EVK KIT PART

CAPACITOR;

CAPACITOR;

CAPACITOR;

CAPACITOR;

CAPACITOR;

CAPACITOR;

CAPACITOR;

CAPACITOR;

CAPACITOR;

CAPACITOR;

CAPACITOR;

CAP; SMT (08

CAPACITOR;

DIODE; SWT;

DIODE; SCH;

DIODE; ZNR;

DIODE; ZNR;

DIODE; LIGHT

DIODE; LED; :

TEST POINT;

INDUCTOR; S

CONNECTOR

CONNECTOR

CONNECTOR

CONNECTOR

TEST POINT;

INDUCTOR; S

INDUCTOR; S

DIODE; LED; '

STANDOFF; I

TRAN; ; NCH;

TRAN; NCH; I

TRAN; P-CHA

TRAN; P-CHA

MOSFET, P-C

TRAN; SMAL
RESISTOR, 0
RESISTOR; 0
RESISTOR; TI
RESISTOR; 0
RESISTOR; 0
RESISTOR; 0
RESISTOR, 0
RESISTOR; 0
RESISTOR, 0
RESISTOR; 0
RESISTOR; 1
RESISTOR, 0
RESISTOR; 1
RESISTOR; 0
RESISTOR; 0
RESISTOR; 0
RESISTOR; 0
RESISTOR; 0
RESISTOR; TI
RESISTOR; 0
RESISTOR; 0
RESISTOR; 0
RESISTOR; 0
RESISTOR, 0
MACHINE SC
MACHINE FA
SWITCH; SPC
SWITCH; TGL
CONNECTOR
CONNECTOR
EVKIT PART -
EVKIT PART -
IC; CTRL; AU
IC; COMP; LC
IC; VREG; LO
PCB:MAX256 -
COVER; EVKIT; MAX25605; 4.2INX1.9INX0.125IN; ACRYLIC
RESISTOR; 0
PACKAGE OL