

Job Name: **FlexEMG_v1r0.bmb**

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Build Sides: **SMT Hand Parts RED = Top**

Date: 12/10/2019

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
1	7	COCH2	BW-216-544	None	Con USB micro B recp R/A SMT Amphenol FCI 10118194-0001LF

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Build Sides: **SMT Machine Parts**

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Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
2	7	Y1	BW-015-621	None	Osc 20MHz 10pF 4-pin NDK NX2520SA-20.000000MHz
3	28	RE6, RN2, RN4, RR5	BW-038-468	None	Res 10K 1% 1/10W 0402 Panasonic ERJ-2RKF1002X
4	28	RC0, RC1, RCC, RCD	BW-054-001	None	Res 110 1% 1/20W 0201 Panasonic ERJ-1GNF1100C
5	49	R3, R4, R5, RC3, RD2, RD3, RR6	BW-064-774	None	Res 1K 1% 1/20W 0201 Panasonic ERJ-1GNF1001C
6	7	U2	BW-076-457	None	IC PULP custom die
7	7	RE8	BW-082-005	None	Res 150 5% 1/5W 0402 Panasonic ERJ-PA2J151X
8	14	LED2, LED4	BW-088-337	None	LED 620nm red 1.8V 0603 SMT Rohm SML-311UTT86
9	7	U3	BW-099-411	None	IC NRF51822 2.4GHZ SoC WLCSP-62 Nordic NRF51822-CFAC-R
10	28	RC4, RC5, RNB, RNC	BW-137-922	None	Res 0 1/10W 0402 Panasonic ERJ-2GE0R00X
11	84	C11, C12, C13, C14, C20, CB31, CBA1, CE3, CS1, CS3, CS5, CS7	BW-171-235	None	Cap ceramic 4.7uF 35V 10% X5R 0603 Murata GRM188R6YA75KE15D
12	14	LED0, LED3	BW-182-709	None	LED 605nm orange 1.8V 0603 SMT Rohm SML-311DTT86
13	7	J1	BW-208-528	None	Con 16 pin 50 mil 2x8 str female smt Samtec CLP-108-02-F-DT
14	56	C18, CBA0, CD1, CN2, CS2, CS4, CS6, CS8	BW-224-068	None	Cap ceramic 10uF 25V 20% X5R 0603 Murata GRM188R61E106MA73D
15	14	CO3, CO4	BW-246-111	None	Con 80 pin 0.5mm 4x20 str brd-brd header SMT Hirose DF12 3.0-80DP-0.5V
16	14	CA2, CC3	BW-268-174	None	Cap ceramic 0.01uF 25V 10% X5R 0201 Murata GRM033R61E103KA12D
17	7	U9	BW-277-656	None	IC TPS62260TDRVQ1 buck converter adj 0.6A WDFN-6 TI TPS62260TDRVQ1
18	28	LS1, LS2, LS3, LS4	BW-285-171	None	Inductor 2.2uH 1A shielded 1008 pkg Murata LQM2HPN2R2MJ0L
19	7	CO1	BW-286-146	None	Con 12 pin 50 mil 2x6 str female smt Samtec CLP-106-02-F-D
20	7	RN1	BW-306-096	None	Res 270 1% 1/10W 0402 Panasonic ERJ-2RKF2700X
21	7	RS1	BW-346-259	None	Res 715K 1% 1/20W 0201 Panasonic ERJ-1GEF7153C
22	49	C33, C57, C79, CB30, CB50, CB80, CBB0	BW-391-406	None	Cap ceramic 22uF 10V 20% X5R 0603 Murata GRM187R61A226ME15D
23	7	LED1	BW-406-099	None	LED 587nm yellow 1.8V 0603 SMT Rohm SML-311YTT86
24	357	C3, C4, C5, C6, C7, C8, C9, C10, C21, C22, C32, C34, C56, C58, C78, C80, CA1, CA4, CB20, CB21, CB22, CB23, CB24, CB25, CB26, CB27, CB28, CB40, CB41, CB42, CB43, CB44, CB45, CB46, CB47, CB70, CB71, CB72, CB73, CB90, CB91,	BW-429-752	None	Cap ceramic 0.1uF 50V 10% X5R 0402 Murata GRM155R61H104KE19D

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		CB92, CB93, CB94, CB95, CB96, CB97, CN9, CR3, CR4, CW2			
25	28	RC6, RC9, RCA, RCB	BW-432-022	None	Res 33 5% 1/5W 0402 Panasonic ERJ-PA2J330X
26	7	RVREG1	BW-461-451	None	Res 1 1% 1/10W 0603 Panasonic ERJ-3RQF1R0V
27	7	U6	BW-468-880	None	IC TPS62262TDRVQ1 buck converter 1.2V 0.6A WDFN-6 TI TPS62262TDRVQ1
28	7	RN9	BW-485-299	None	Res 47K 1% 1/10W 0402 Panasonic ERJ-2RKF4702X
29	14	RC2, RR4	BW-520-919	None	Res 10K 1% 1/20W 0201 Yageo RC0201FR-0710KL
30	7	SW1	BW-536-621	None	Switch DIP-1 SMT Copal CHS-01TB
31	7	BAL1	BW-549-245	None	Balun 2.4GHz 50ohm/50ohm Johnson 2450BM08B0003T
32	28	CC1, CC2, CR1, CR2	BW-554-514	None	Cap ceramic 12pF 50V 1% COG NPO 0402 Murata GRM1555C1H120FA01D
33	14	CE4, CR6	BW-598-868	None	Cap ceramic 1000pF 50V 10% X5R 0402 Murata GRM155R61H102KA01D
34	7	RS2	BW-628-850	None	Res 180K 1% 1/20W 0201 Panasonic ERJ-1GNF1803C
35	133	C15, C16, C17, C19, CB1, CB2, CB3, CB4, CB5, CB6, CB7, CB8, CB9, CB10, CB11, CB12, CB60, CD2, CR5	BW-652-366	None	Cap ceramic 0.1uF 16V 10% X7S 0201 Murata GRM033R6YA104KE14D
36	7	CR7	BW-678-730	None	Cap ceramic 0.047uF 25V 10% X7R 0402 Murata GRM155R71E473KA88D
37	7	RN3	BW-679-670	None	Res 510K 1% 1/10W 0402 Panasonic ERJ-2RKF5103X
38	7	RE2	BW-680-522	None	Res 499 1% 1/10W 0402 Panasonic ERJ-2RKF4990X
39	7	YW1	BW-688-960	None	Osc crystal 32.768kHz 20ppm SiTime SIT1533AC-H5-D14- 32.768G
40	14	CA3, CR8	BW-697-399	None	Cap ceramic 2200pF 50V 5% X7R 0402 Murata GRM155R71H222JA01J
41	7	U8	BW-705-646	None	IC TPS62263TDRVQ1 buck converter adj 0.6A WDFN-6 TI TPS62263TDRVQ1
42	7	UN3	BW-744-806	None	IC NC7WV04L6X inverter 2-channel UDFN-6 Fairchild NC7WV04L6X
43	7	UN5	BW-747-602	None	IC TXB0101YZPR level shifter 1-ch BGA-6 TI TXB0101YZPR
44	7	CW1	BW-787-130	None	Cap ceramic 4.7uF 6.3V 20% X5R 0402 Murata GRM155R60J475ME87J
45	14	CE1, CE2	BW-789-702	None	Cap ceramic 1uF 35V 10% X5R 0402 TDK C1005X5R1V105K050BC
46	28	RR0, RR1, RR2, RR3	BW-803-012	None	Res 33 1% 1/20W 0201 Panasonic ERJ-1GNF33R0C
47	7	U7	BW-809-075	None	IC TPS62261TDRVQ1 buck converter 1.8V 0.6A WDFN-6 TI TPS62261TDRVQ1
48	7	L1	BW-810-122	None	Inductor 22uH 0.52A 1212 pkg Bourns LQH3NPZ220MJRL
49	7	Y2	BW-830-170	None	Osc 16MHz 10pF 4-pin NDK NX2520SA-16.000000MHz

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50	14	RE1, RE5	BW-837-855	None	Res 1 1% 1/6W 0402 Panasonic ERJ-2BQF1R0X
51	7	RE4	BW-844-092	None	Res 2K 1% 1/10W 0402 Panasonic ERJ-2RKF2001X
52	7	CS9	BW-859-569	None	Cap ceramic 22pF 50V 1% COG NPO 0402 Murata GRM1555C1H220FA01D
53	7	ANT1	BW-886-274	None	Antenna 2.4GHz Linx ANT-2.45-CHP-T
54	7	U10	BW-887-956	None	IC MPU-6050 6-axis gyro/accel QFN-24 Invensense MPU-6050
55	28	R6, R7, RC7, RC8	BW-922-068	None	Res 1K 1% 1/10W 0402 Panasonic ERJ-2RKF1001X
56	7	U11	BW-953-747	None	IC LTC4065EDC Li-ion battery charger DFN-6 Linear Tech LTC4065EDC#TRMPBF
57	7	CN1	BW-965-950	None	Cap ceramic 5pF 50V -0.1pF COG NPO 0402 Murata GRM1555C1H5R0BA01D
58	7	RE3	BW-968-007	None	Res 1M 1% 1/10W 0402 Panasonic ERJ-2RKF1004X
59	7	U1	BW-985-188	None	IC M2S060T Cortex-M3 BGA-325 Microsemi M2S060T-FCSG325I