

Job Name: **eagle1_revX2.bmb**

Build Count: **8**

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Build Sides: **Parts Not Stuffed**

Date: 5/7/2019

Time: 15:19

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
1	8	C49	0.1uF DNP	None	Cap 0.1uF DNP 0402 0.1uF 0402
2	80	C57, C58, C59, C60, C61, C62, C66, C67, C68, C69	DNP	None	Cap DNP 0603 DNP 0603
3	8	R4	3.9k DNP	None	Res 3.9k DNP 0402 3.9k 0402 DNP
4	40	R16, R18, R19, R20, R21	0 DNP	None	Res 0 DNP 0603 0 0603 DNP
5	8	U10	M24128 DNP	None	IC M24128 DNP GW-08-65-6.4 M24128 EEPROM 16KB 128Kb I2C DNP

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

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Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
6	16	J6, J7	BW-143-925	None	Con 4 pin 50 mil 2x2 str male, surface mnt, 0.150" post height Samtec FTSH-102-0
7	16	J5, J14	BW-185-936	None	Con 2 pin 50 mil 1x2 str male, surface mnt, 0.120" post height Samtec FTS-102-01
8	16	J11, J12	BW-252-400	None	Con 2 pin 100 mil 1x2 str male, surface mnt, 0.230" post height Samtec TSM-102-0
9	32	J1, J2, J3, J4	BW-601-380	None	Con SMA female jack str 50 ohm18GHz PCB SMT Cinch 142- 0711-202
10	8	S1	BW-793-167	None	SW pushbutton SPST-NO SMD 4 pin E-Switch TL3301AF160QJ
11	16	J10, J13	BW-987-446	None	Con 8 pin 100 mil 2x4 str male surface mnt 0.230" post height Samtec TSM-104-01-
12	8	J9	BW-437-404	None	Con uSD card recp Molex 5033981892

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Build Sides: **Thru Hole Hand Parts RED = Top**

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Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
13	8	T1	BW-182-486	None	Test point loop mini 40mil dia hole black Keystone 5001

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Build Slides: **SMT Machine Parts**

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14	48	L1, L2, L3, L4, L5, L6	BW-002-808	None	Inductor 1uH 650mA 0603 Taiyo Yuden BRL1608T1R0M
15	32	R34, R35, R36, R37	BW-015-470	None	Res 16K 1% 1/10W 0402 Panasonic ERJ-2RKF1602X
16	8	R2	BW-026-055	None	Res 5.1K 1% 1/16W 0402 Vishay CRCW04025K10FKED
17	8	U6	BW-032-153	None	IC TPS3125 1.62V supply monitor POR generator TI TPS3125J18DBVR
18	8	C20	BW-077-814	None	Cap ceramic 15pF 16V 5% COG NPO 0402 Kemet C0402C150J4GACTU
19	8	X1	BW-082-896	None	Osc 50MHz Epson SG210SED50.0000ML3
20	8	R3	BW-084-269	None	Res 4.12K 1% 1/10W 0402 Panasonic ERJ-2RKF4121X
21	8	R13	BW-087-039	None	Res 1.87K 0.1% 1/16W 0402 Panasonic ERA-2AEB1871X
22	32	L7, L8, L9, L10	BW-163-397	None	Inductor 1uH 3.1A 1210 Murata Electronics 1277AS-H-1R0M=P2
23	64	R6, R7, R8, R9, R47, R49, R50, R51	BW-182-504	None	Res 200 1% 1/10W 0402 Panasonic ERJ-2RKF2000X
24	32	R29, R30, R31, R32	BW-242-342	None	Res 100K 1% 1/16W 0402 Yageo RC0402FR-07200KL
25	8	U1	BW-287-161	None	IC AD9516-4 14-output clock generator LFCSP-64 ADI AD9516-4BCPZ
26	8	R48	BW-309-538	None	Res 604 1% 1/10W 0402 Panasonic ERJ-2RKF6040X
27	8	J8	BW-330-143	None	Con 400 pin 1.27mm FMC VITA 57 male plug 10mm stkd ht Samtec ASP-134488-01
28	8	C22	BW-335-973	None	Cap ceramic 3300pF 25V 5% X7R 0402 Yageo CC0402JRX7R8BB332
29	368	C6, C8, C11, C29, C36, C42, C70, C71, C72, C76, C77, C81, C82, C86, C87, C91, C93, C95, C97, C99, C101, C103, C105, C107, C109, C110, C112, C114, C116, C118, C120, C122, C123, C125, C127, C129, C130, C132, C133, C134, C135, C136, C137, C138, C139, C140	BW-373-241	None	Cap ceramic 10uF 6.3V 20% X5R 0603 Taiyo Yuden JMK107BJ106MA-T
30	24	U2, U3, U15	BW-380-427	None	IC SN74AVC4T234 level shifter 4-ch unidirectional uCSP-11 TI SN74AVC4T234ZSUR
31	24	U20, U21, U22	BW-430-932	None	IC LT3022 adj LDO regulator 1A MSOP-EP-16 Linear Tech LT3022EMSE#PBF
32	8	C30	BW-441-938	None	Cap ceramic 0.22uF 6.3V 10% X5R 0402 Kemet C0402C224K9PAC7867
33	8	U14	BW-468-510	None	IC M24128 128Kb 16K x 8 I2C 1MHz EEPROM TSSOP-8 ST M24128-BRDW6TP
34	8	R11	BW-473-932	None	Res 5.49K 0.1% 1/16W 0402 Panasonic ERA-2AEB5491X
35	40	R10, R12, R17, R22, R52	BW-532-263	None	Res 0 1/10W 0603 Panasonic ERJ-3GEY0R00V
36	8	X2	BW-579-909	None	Osc 300MHz LVDS 6-pin Microchip DSC1103CI5-300.0000

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37	8	U4	BW-700-030	None	IC NB7V58M LVDS clock multiplexer 2 1 QFN-16 ON NB7V58MMNG
38	88	R1, R27, R28, R38, R39, R40, R41, R42, R43, R44, R45	BW-740-618	None	Res 3.9K 5% 1/10W 0402 Panasonic ERJ-2GEJ392X
39	8	C19	BW-768-871	None	Cap ceramic 150pF 50V 10% COG NPO 0402 Kemet C0402C151K5GAC7867
40	24	R5, R14, R15	BW-783-395	None	Res 49.9 1% 1/16W 0402 Vishay CRCW040249R9FKEDC
41	560	C1, C2, C3, C4, C5, C7, C9, C10, C12, C13, C14, C15, C16, C17, C18, C21, C23, C24, C25, C26, C27, C28, C31, C32, C33, C34, C35, C37, C38, C39, C40, C41, C45, C52, C53, C56, C63, C64, C65, C73, C74, C75, C78, C79, C80, C83, C84, C85, C88, C89, C90, C92, C94, C96, C98, C100, C102, C104, C106, C108, C111, C113, C115, C117, C119, C121, C124, C126, C128, C131	BW-794-372	None	Cap ceramic 0.1uF 10V 10% X5R 0402 Murata GRM155R61A104KA01D
42	8	U12	BW-822-598	None	IC PCA9846 bus switch 4-channel TSSOP-16 NXP PCA9846PWJ
43	8	R46	BW-864-043	None	Res 698 1% 1/10W 0402 Panasonic ERJ-2RKF6980X
44	8	U5	BW-953-887	None	IC custom Eagle1 die 692 bumps 170um pitch BWRC
45	32	U16, U17, U18, U19	BW-956-629	None	IC TPS62361 buck switching reg pos adj BGA-16 TI TPS62361BYZHR