Job Name:	**eagle1_serdes_revX3.BMB**
Build Count:	**4**
Build Sldes:	**Parts Not Stuffed**

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
1	16	J17, J18, J19, J20	BW-067-220	None	Con K 2.92mm female jack str 50 ohm f/microstrip 40GHz Pasternak PE45451
2	4	U11	BW-468-510	None	IC M24128 128Kb 16K x 8 I2C 1MHz EEPROM TSSOP-8 ST M24128-BRDW6TP
3	4	U6	BW-953-887	None	IC custom Eagle1 die 692 bumps 170um pitch BWRC
4	4	C54	0.1uF DNP	None	Cap 0.1uF DNP 0402 0.1uF 0402
5	36	C62, C63, C64, C65, C66, C71, C72, C73, C74	DNP	None	Cap DNP 0603 DNP 0603
6	12	R19, R20, R21	0 DNP	None	Res 0 DNP 0603 0 0603 DNP

Job Name:	**eagle1_serdes_revX3.BMB**				
Build Count:	**4**				
Build SIdes:	**SMT Hand Parts**	**RED = Top**			

Date: 4/11/2019

Time: 18:56

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
7	8	J6, J7	BW-143-925	None	Con 4 pin 50 mil 2x2 str male, surface mnt, 0.150" post height Samtec FTSH-102-0
8	8	J5, J14	BW-185-936	None	Con 2 pin 50 mil 1x2 str male, surface mnt, 0.120" post height Samtec FTS-102-01
9	24	J1, J2, J3, J4, J15, J16	BW-601-380	None	Con SMA female jack str 50 ohm18GHz PCB SMT Cinch 142-0711-202
10	4	S1	BW-793-167	None	SW pushbutton SPST-NO SMD 4 pin E-Switch TL3301AF160QJ
11	8	J10, J13	BW-987-446	None	Con 8 pin 100 mil 2x4 str male surface mnt 0.230" post height Samtec TSM-104-01-

Job Name: **eagle1_serdes_revX3.BMB**

Build Count: **4**

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

Date: 4/11/2019

Time: 18:56

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
12	4	T1	BW-182-486	None	Test point loop mini 40mil dia hole black Keystone 5001

Job Name: **eagle1_serdes_revX3.BMB**

Build Count: **4**

Build SIdes: **SMT Machine Parts**

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
13	8	L5, L6	BW-002-808	None	Inductor 1uH 650mA 0603 Taiyo Yuden BRL1608T1R0M
14	16	R34, R35, R36, R37	BW-015-470	None	Res 16K 1% 1/10W 0402 Panasonic ERJ-2RKF1602X
15	4	U7	BW-032-153	None	IC TPS3125 1.62V supply monitor POR generator TI TPS3125J18DBVR
16	16	L7A, L7B, L7C, L7D	BW-163-397	None	Inductor 1uH 3.1A 1210 Murata Electronics 1277AS-H-1R0M=P2
17	16	R47, R49, R50, R51	BW-182-504	None	Res 200 1% 1/10W 0402 Panasonic ERJ-2RKF2000X
18	16	R29, R30, R31, R32	BW-242-342	None	Res 100K 1% 1/16W 0402 Yageo RC0402FR-07200KL
19	8	J11, J12	BW-252-400	None	Con 2 pin 100 mil 1x2 str male, surface mnt, 0.230" post height Samtec TSM-102-0
20	4	R48	BW-309-538	None	Res 604 1% 1/10W 0402 Panasonic ERJ-2RKF6040X
21	4	J8	BW-330-143	None	Con 400 pin 1.27mm FMC VITA 57 male plug 10mm stkd ht Samtec ASP-134488-01
22	168	C36, C42, C43A, C43B, C43C, C43D, C47A, C47B, C47C, C47D, C75, C76, C78, C80, C82, C84, C86, C88, C90, C92, C94, C95, C97, C99, C101, C103, C105, C107, C108, C110, C112, C114, C115, C117, C118, C134, C135, C136, C137, C138, C139, C140	BW-373-241	None	Cap ceramic 10uF 6.3V 20% X5R 0603 Taiyo Yuden JMK107BJ106MA-T
23	8	U3, U16	BW-380-427	None	IC SN74AVC4T234 level shifter 4-ch unidirectional uCSP-11 TI SN74AVC4T234ZSUR
24	12	U17, U18, U19	BW-430-932	None	IC LT3022 adj LDO regulator 1A MSOP-EP-16 Linear Tech LT3022EMSE#PBF
25	4	J9	BW-437-404	None	Con uSD card recp Molex 5033981892
26	4	U15	BW-468-510	None	IC M24128 128Kb 16K x 8 I2C 1MHz EEPROM TSSOP-8 ST M24128-BRDW6TP
27	8	R22, R52	BW-532-263	None	Res 0 1/10W 0603 Panasonic ERJ-3GEY0R00V
28	4	X2	BW-579-909	None	Osc 300MHz LVDS 6-pin Microchip DSC1103CI5-300.0000
29	4	U4	BW-700-030	None	IC NB7V58M LVDS clock multiplexer 2 1 QFN-16 ON NB7V58MMNG
30	40	R27, R28, R38, R39, R40, R41, R42, R43, R44, R45	BW-740-618	None	Res 3.9K 5% 1/10W 0402 Panasonic ERJ-2GEJ392X
31	184	C33, C34, C35, C37, C38, C39, C40, C41, C44A, C44B, C44C, C44D, C45A, C45B, C45C, C45D, C46A, C46B, C46C, C46D, C50, C57, C58, C61, C68, C69, C70, C77, C79, C81, C83, C85, C87, C89, C91, C93, C96, C98, C100,	BW-794-372	None	Cap ceramic 0.1uF 10V 10% X5R 0402 Murata GRM155R61A104KA01D

Build Count: **4**

Build SIdes: **SMT Machine Parts**

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
		C102, C104, C106, C109, C111, C113, C116			
32	4	U13	BW-822-598	None	IC PCA9846 bus switch 4-channel TSSOP-16 NXP PCA9846PWJ
33	4	R46	BW-864-043	None	Res 698 1% 1/10W 0402 Panasonic ERJ-2RKF6980X
34	16	U5A, U5B, U5C, U5D	BW-956-629	None	IC TPS62361 buck switching reg pos adj BGA-16 TI TPS62361BYZHR