ASMPCB-EAGLE1_SERDES_REVX3

ASMPCB-EAGLE1_SERDES_REVX3
C:\Users\aflynn\data\AltiumGit\PartSync_DB\BWRC.mdb

Quantity to Build:	8
Part List Revision:	A
Purchase List Number:	001
List Release Date:	5/1/2019

Item	Qty	Part Number	Description	Reference
	Loc	Sort Code		
		Vendor Name	Vendor Part Number	Manf Name	Manf Part Number
1	400	BW-794-372	Cap ceramic 0.1uF 10V 10% X5R 0402	C33 C34 C35 C37 C38 C39 C40 C41 C50 C57 C58 C61 C68 C69 C70 C77 C79 C81
	*A1	CAPC-0402 0.1uF 10V	Murata GRM155R61A104KA01D	
		Digi-Key 490-1318-1-ND	Murata GRM155R61A104KA01D	
2	400	BW-373-241	Cap ceramic 10uF 6.3V 20% X5R 0603	C36 C42 C75 C76 C78 C80 C82 C84 C86 C88 C90 C92 C94 C95 C97 C99 C101 C103
	*A2	CAPC-0603 10uF 6.3V	Taiyo Yuden JMK107BJ106MA-T	
		Digi-Key 587-1256-1-ND	Taiyo Yuden JMK107BJ106MA-T	
3	8	BW-330-143	Con 400 pin 1.27mm FMC VITA 57 male plug 10mm stkd ht	J8
	*A7	CON-FMC 400 plug	Samtec ASP-134488-01	
		Digi-Key SAM8730-ND	Samtec ASP-134488-01	
4	50	BW-601-380	Con SMA female jack str 50 ohm18GHz PCB SMT	J1 J2 J3 J4 J15 J16
	*A8	CON-RF SMA	Cinch 142-0711-202	
		Digi-Key J10154CT-ND	Cinch 142-0711-202	
5	8	BW-437-404	Con uSD card recp	J9
	*B1	CON uSD	Molex 5033981892	
		Digi-Key WM11190CT-ND	Molex 5033981892	
6	8	BW-579-909	Osc 300MHz LVDS 6-pin	X2
	*B2	CRY-OSC 300MHz	Microchip DSC1103CI5-300.0000	
		Digi-Key DSC1103CI5-300.0000-ND	Microchip DSC1103CI5-300.0000	
7	8	BW-700-030	IC NB7V58M LVDS clock multiplexer 2:1 QFN-16	U4
	*B3	IC NB7V58M	ON NB7V58MMNG	
		Digi-Key NB7V58MMNG-ND	ON Semiconduct NB7V58MMNG	

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8	20	BW-380-427	IC SN74AVC4T234 level shifter 4-ch unidirectional uCSP-11	U3 U16
	*B4	IC SN74AVC4T234	TI SN74AVC4T234ZSUR	
		Digi-Key 296-29041-1-ND	Texas Instrume SN74AVC4T234ZSUR	

9	24	BW-430-932	IC LT3022 adj LDO regulator 1A MSOP-EP-16	U17 U18 U19
	*B5	IC LT3022	Linear Tech LT3022EMSE#PBF	
		Digi-Key LT3022EMSE#PBF-ND	Linear Technol LT3022EMSE#PBF	

10	8	BW-032-153	IC TPS3125 1.62V supply monitor (POR generator)	U7
	*B6	IC TPS3125	TI TPS3125J18DBVR	
		Digi-Key 296-10898-1-ND	Texas Instrume TPS3125J18DBVR	

11	8	BW-822-598	IC PCA9846 bus switch 4-channel TSSOP-16	U13
	*B7	IC PCA9846	NXP PCA9846PWJ	
		Digi-Key 568-12882-1-ND	NXP PCA9846PWJ	

12	8	BW-468-510	IC M24128 128Kb (16K x 8) I2C 1MHz EEPROM TSSOP-8	U15
	*B8	IC M24128	ST M24128-BRDW6TP	
		Digi-Key 497-8618-1-ND	ST Microelectr M24128-BRDW6TP	

13	40	BW-956-629	IC TPS62361 buck switching reg pos adj BGA-16	U5A U5B U5C U5D
	*C1	IC TPS62361	TI TPS62361BYZHR	
		Digi-Key 296-28830-1-ND	Texas Instrume TPS62361BYZHR	

14	20	BW-002-808	Inductor 1uH 650mA 0603	L5 L6
	*C2	IND-0603 1uH 650mA	Taiyo Yuden BRL1608T1R0M	
		Digi-Key 587-2897-1-ND	Taiyo Yuden BRL1608T1R0M	

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Item	Qty	Part Number / Sort Code	Vendor / Vendor Part No.	Description / Manf / Manf Part No.	Reference
15	40	BW-163-397		Inductor 1uH 3.1A 1210	L7A L7B L7C L7D
	*C3	IND-1210 1uH 3.1A		Murata Electronics 1277AS-H-1R0M=P2	
			Digi-Key 490-10590-1-ND	Murata 1277AS-H-1R0M=P2	
16	40	BW-182-504		Res 200 1% 1/10W 0402	R47 R49 R50 R51
	*C4	R1%-0402 200		Panasonic ERJ-2RKF2000X	
			Digi-Key P200LCT-ND	Panasonic ERJ-2RKF2000X	
17	8	BW-309-538		Res 604 1% 1/10W 0402	R48
	*C5	R1%-0402 604		Panasonic ERJ-2RKF6040X	
			Digi-Key P604LCT-ND	Panasonic ERJ-2RKF6040X	
18	8	BW-864-043		Res 698 1% 1/10W 0402	R46
	*C6	R1%-0402 698		Panasonic ERJ-2RKF6980X	
			Digi-Key P698LCT-ND	Panasonic ERJ-2RKF6980X	
19	40	BW-015-470		Res 16K 1% 1/10W 0402	R34 R35 R36 R37
	*C7	R1%-0402 16K		Panasonic ERJ-2RKF1602X	
			Digi-Key P16.0KLCT-ND	Panasonic ERJ-2RKF1602X	
20	40	BW-242-342		Res 100K 1% 1/16W 0402	R29 R30 R31 R32
	*C8	R1%-0402 100K		Yageo RC0402FR-07200KL	
			Digi-Key 311-100KLRCT-ND	Yageo RC0402FR-07100KL	
21	80	BW-740-618		Res 3.9K 5% 1/10W 0402	R27 R28 R38 R39 R40 R41 R42 R43 R44 R45
	*D1	R5%-0402 3.9K		Panasonic ERJ-2GEJ392X	
			Digi-Key P3.9KJCT-ND	Panasonic ERJ-2GEJ392X	

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22	20	BW-532-263	Res 0 1/10W 0603	R22 R52
	*D2	RES 0	Panasonic ERJ-3GEY0R00V	
		Digi-Key P0.0GCT-ND	Panasonic ERJ-3GEY0R00V	
23	8	BW-793-167	SW pushbutton SPST-NO SMD 4 pin	S1
	*D3	SW SPST-NO SMT	E-Switch TL3301AF160QJ	
		Digi-Key EG4374CT-ND	E-switch TL3301AF160QJ	
24	8	BW-182-486	Test point loop mini 40mil dia hole black	T1
	*D4	TEST-PT 1	Keystone 5001	
		Digi-Key 36-5001-ND	Keystone 5001	
25	16	BW-252-400	Con 2 pin 100 mil 1x2 str male, surface mnt, 0.230" post heig	J11 J12
	*A3	CON-025 2	Samtec TSM-102-01-L-SV	
		Samtec TSM-102-01-L-SV	Samtec TSM-102-01-L-SV	
		Digi-Key SAM8979-ND		
26	16	BW-987-446	Con 8 pin 100 mil 2x4 str male surface mnt 0.230" post heigh	J10 J13
	*A4	CON-025 8	Samtec TSM-104-01-T-DV	
		Samtec TSM-104-01-T-DV	Samtec TSM-104-01-T-DV	
		Digi-Key SAM1415CT-ND		
27	16	BW-185-936	Con 2 pin 50 mil 1x2 str male, surface mnt, 0.120" post heigh	J5 J14
	*A5	CON-50 2	Samtec FTS-102-01-L-SV	
		Samtec FTS-102-01-L-SV	Samtec FTS-102-01-L-SV	
		Digi-Key FTS-102-01-L-SV		
28	16	BW-143-925	Con 4 pin 50 mil 2x2 str male, surface mnt, 0.150" post heigh	J6 J7
	*A6	CON-50 4	Samtec FTSH-102-04-F-DV	
		Samtec FTSH-102-04-F-DV	Samtec FTSH-102-04-F-DV	
		Digi-Key FTSH-102-04-F-DV-ND		