

		B2714 PROTOTYPE/PRODUCTION PART LIST					
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			2-Aug-11				
ITEM#	REFERENCE	MANUFACTUERER	PART NAME	PART#/VALUE	Unit/Board	Prototype QTY (min)	Digikey#
1	QZ2	CTS	OSC 50.0000 MHZ 3.3V SMD	CB3LV-3I-50M0000	1	4	CTX327LVCT-ND
2	U1	Silicon Labs	Si590BB100M000DGR	Si590BB100M000DGR	1	4	Call for freq. programming
3	U5	Altera	EP4CGX15BF14C6N	EP4CGX15BF14C6N	1	4	EP4CGX15BF14C6N-ND
4	U6	Altera	EPCS4SI8N	EPCS4SI8N	1	4	544-1379-5-ND
5	U7	IDT	ICS85411AMLF	ICS85411AMLF	1	4	800-1184-5-ND
6	U8	LT	LTM4614EV#PBF	LTM4614EV#PBF	1	4	LTM4614EV#PBF-ND
7	U10	TI	TPS3808G33DBVR	TPS3808G33DBVR	1	4	296-17195-1-ND
8	J10, J11	Tyco	CONN PT USE W/SFP CAGES 15AU	1367073-1	2	4	A97430CT-ND
9A	FC1, FC2	TyCo	CONN SFP CAGE SINGLE PRESS FIT	1489669-1	2	8	A97415-ND
9B	OPT1, OPT2	Avago	SFP 3.3V 2/1GBS Optical Transceiver	AFBR-57M5APZ	2	8	516-1713-ND
10	J1	Tyco	CONN PLUG 64POS DL BRD/BRD VERT	120527-1	1	10	A97407CT-ND
11	J2, J3	Tyco	20-pos sockets	see supplied	2	8	
12	LED1, LED4, LED5, LED8	Dialight	GREEN LED 2MM RA GRN PC MNT	555-2301F	4	16	350-1716-ND
13	LED2, LED3, LED6, LED7	Dialight	RED LED 2MM RA GRN PC MNT	555-2001F	4	16	350-1711-ND
14	D1, D2, D3, D4	Central	CMPD4150	CMPD4150	4	16	Mouser: 610-CMPD4150
15	intentionally left blank						
16	intentionally left blank						
17	intentionally left blank						
18	intentionally left blank						
19	intentionally left blank						
20	L1, L2, L3, L4, L5, L10, L11, L12, L13	TDK	FERRITE CHIP 600OHM 25% 0805 SMT	MPZ2012S601A	9	36	445-2206-2-ND
21	R6, R25, R26, R29, CR11, CR12, CR3, CR9	Panasonic	0.0 OHM RES 1/10W 0402 SMD	ERJ-2GE0R00X	8	32	P0.0JTR-ND
22	RT3, RT4, RT5	Panasonic	100 OHM RES 1/10W 1% 0402 SMD	ERJ-2RKF1000X	3	12	P100LTR-ND
23	R17,R20, R22, R124, R154, RM1, RTA1	Panasonic	0.0 OHM RES 1/10W 0603 SMD	ERJ-3GEY0R00V	7	28	P0.0GTR-ND
24	R5	Panasonic	22.0 OHM RES 1/10W 1% 0603 SMD	ERJ-3EKF22R0V	1	4	P22.0HTR-ND
25	RL1, RL2, RL3, RL4, RL5, RL6, RL7, RL8	Yageo	180 OHM RES 1/10W 1% 0603 SMD	9C06031A1800FKHFT	8	32	311-180HTR-ND
26	R8, R9	Yageo	200 OHM RES 1/10W 1% 0603 SMD	9C06031A2000FKHFT	2	8	311-200HTR-ND
27	R10, R11, R12, R13, R37, R120, R121, R122, R123, R125, R150, R151, R152, R153, R155, RFB2, Rp1, Rp2	Yageo	10.0K OHM RES 1/10W 1% 0603 SMD	9C06031A1002FKHFT	18	72	311-10.0KHTR-ND
28	R1, R2, R14, R15, R16, R21	Yageo	1.0K OHM RES 1/10W 1% 0603 SMD	9C06031A1001FKHFT	6	24	311-1.00KHTR-ND
29	RFB1	Yageo	2.37K RES OHM 1/10W 1% 0603 SMD	9C06031A2371FKHFT	1	4	311-2.37KHTR-ND
30	RR1	Yageo	2.0K RES OHM 1/10W 1% 0603 SMD	9C06031A2001FKHFT	1	4	311-2.00KHTR-ND
31	DO NOT USE	Yageo	4.99K RES OHM 1/10W 1% 0603 SMD	9C06031A4991FKHFT	1	4	311-4.99KHTR-ND

32	RTD	Yageo	49.9K RES OHM 1/10W 1% 0603 SMD	9C06031A4992FKHFT	1	4	311-49.9KHTR-ND
33	intentionally left blank						
34	C104, C102, C103, C108, C109, C112, C115, C39, C51, C64, C87	Kemet	0.1UF CER CAP 10V X5R 0402	C0402C104M8PACTU	11	44	C0402C104M8PACTU-ND
35	C105, C107, C110, C122, C123, C124, C136, C138, C16, C18, C24, C26, C32, C44, C48, C49, C55, C57, C58, C59, C63, C73, C74, C75, C76, C77, C83, C89, C91, C106, C118, C12, C127, C13, C15, C17, C19, C202, C206, C212, C216, C27, C28, C40, C41, C42, C43, C45, C46, C47, C50, C56, C65, C66, C67, C78, C79, C84, C88, C9, C90, C93, C95	Kemet	0.1UF CER CAP 10V X7R 0603	C0603C104M8RACTU	63	252	C0603C104M8RACTU-ND
36	C111, C130, C131, C133, C25, C31, C34, C68, C69, C85, C92, C94, C96, C97, C113, C114, C116, C117, C128, C132, C134, C201, C205, C211, C215, C220, C222, C29, C30, C33, C86, C98, C99	AVX	0.01uF CER CAP 10V X7R 0603	0603ZC103MAT2A	33	132	0603ZC103MAT2A-ND
37	CR1, CR2	AVX	1000PF CER CAP 10V X7R 0603	0603ZC102MAT2A	2	8	0603ZC102MAT2A-ND
38	CC1, CC2,CC3, CC4, CF1, CF2	AVX	10PF CAP CER 10V NP0 0603	0603ZA100KAT2A	6	24	0603ZA100KAT2A-ND
39	C14, C52, C53, C54, C101, C120	TDK	4.7UF CAP CER 10V X5R 0603	C1608X5R1A475K	6	24	445-5170-2-ND
40	C8, C10, C20, C21, C22, C23, C35, C36, C37, C38, C60, C61, C62, C70, C71, C72, C80, C81, C82, C100, C119, C121, C221, C223	Panasonic	10UF CAP CERAMIC 10V X5R 0805	ECJ-GVB1A106M	24	96	PCC2431TR-ND
41	C1, C2, C3, C4, C5, C6, C7, C11, C135, C137, C200, C203, C204, C207, C210, C213, C214, C217, C253, C254, C300, C301	TDK	100UF CER CAP 10V X5R 20% 1206	C3216X5R1A107M	22	88	445-6007-2-ND
42	U2	Fairchild	Dual LVDS RECEIVER	fin1028MX	1	4	FIN1028MXCT-ND
43	RT1, RT2	Yageo	RES 33.0 OHM 1/16W 1% 0402 SMD	Yageo	2	8	311-33.0LRTR-ND
44	R7, R18, R19, R21, R23, R126, R156, RTB1	N/A	Optional R0603	DNI	8	0	
45	CT	N/A	Optional c0603p	DNI	1	0	
46	PCB Board					4	
47	Board Assembly					4	