

Ref Des - Notes	Qty	Item Desc	Manufacture Name	Manufacture Part Number
EMPTY LOCATIONS R-sites: R4 Q-sites: Q2 J-sites J17,J18,J19,J20,J22 M-sites MTG3-MTG6 T-sites TP1-TP88		DO NOT STUFF	N/A	N/A
PWA	1	PB,NBG,EDISON	<UNLISTED SUPPLIER>	n/a
C1	1	CAPC,X5R,0603,22.000UF,6.30 0V,+/- 20%	SAMSUNG ELECTRO-MECHANICS CO., LTD	CL10A226MQ8NRNE
			TAIYO YUDEN,(USA),INC	CE JMK107BJ226MAETD
			MURATA ELEC. NORTH AMERICA	GRM188R60J226MEA0L
			TDK CORPORATION OF AMERICA	C1608X5R0J226MT005E
			MURATA ELEC. NORTH AMERICA	GRM188R60J226MEA0D
C10, C3, C48, C6, C9	5	CAPC,X5R,0201,0.1UF,10.00V, +/- 10%	MURATA ELEC. NORTH AMERICA	GRM033R61A104KE84E
			TAIYO YUDEN,(USA),INC	RM LMK063BJ104KPEF
			SAMSUNG ELECTRO-MECHANICS CO., LTD	CL03A104KP3NNNC
			ACER PERIPHEPALS INC. (DARFON ELECTRONIC	C0603X5R104KDT
			MURATA ELEC. NORTH AMERICA	GRM033R61A104KE15D
			DARFON ELECTRONICS CORP.	C0603X5R104KDTS
			TDK CORPORATION OF AMERICA	C0603X5R1A104KT00NN
			YAGEO CORP.	CC0201KRX5R6BB104
C4	1	CAPC,X5R,0201,0.033UF,6.3V, +/- 10%	MURATA ELEC. NORTH AMERICA	GRM033R60J333KE01D
			TDK CORPORATION OF AMERICA	C0603X5R0J333KT00NN
			TAIYO YUDEN,(USA),INC	RM JMK063BJ333KPEF
			SAMSUNG ELECTRO-MECHANICS CO., LTD	CL03A333KQ3NNNC

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C5, C8	2	CAPC,X5R,0402,10.00UF,6.3V, +/- 20%	SAMSUNG ELECTRO-MECHANICS CO., LTD	CL05A106MQ5NUNC
			TAIYO YUDEN,(USA),INC	RM JMK105CBJ106MV-F
			TDK CORPORATION OF AMERICA	C1005X5R0J106MT000E
			MURATA ELEC. NORTH AMERICA	GRM155R60J106ME44D
			MURATA ELEC. NORTH AMERICA	GRM155R60J106ME11D
C36	1	CAPC,X5R,0603,2.2UF,25.00V, +/- 10%	TDK CORPORATION OF AMERICA	C1608X5R1E225KT000E
			TDK CORPORATION OF AMERICA	C1608X5R1E225KT009E
			TAIYO YUDEN,(USA),INC	CE TMK107BJ225KAETD
			SAMSUNG ELECTRO-MECHANICS CO., LTD	CL10A225KA8NNNC
			MURATA ELEC. NORTH AMERICA	GRM188R61E225KA12D
C47	1	CAPC,X5R,0805,10.00UF,25.00 V, +/- 10%	TDK CORPORATION OF AMERICA	C2012X5R1E106KT000N
			TDK CORPORATION OF AMERICA	C2012X5R1E106KT009N
			MURATA ELEC. NORTH AMERICA	GRM21BR61E106KA73L
			TAIYO YUDEN,(USA),INC	CE TMK212BJ106KGETG
			SAMSUNG ELECTRO-MECHANICS CO., LTD	CL21A106KAYNNNE
			TAIYO YUDEN,(USA),INC	CE TMK212BJ106KGET
			TAIYO YUDEN,(USA),INC	CE TMK212BBJ106KGET
R2, R6, R7, R8, R9	5	RES_D,0201,0.00OHM,1/20W,	WALSIN TECHNOLOGY CORP	WR02X000 PAL
			KOA SPEER ELECTRONICS	RK73Z1HTTC
			YAGEO CORP.	RC0201JR-070RL
			KOA SPEER ELECTRONICS	RK73Z1HTQTC
R5	1	RES_D,0201,1.62kOHM,1.00%, 1/20W,	PANASONIC PASSIVE LTD	ERJ-1GEF1621C
			KOA SPEER ELECTRONICS	RK73H1HTTC1621F
			WALSIN TECHNOLOGY CORP	WR02X1621FAL
			VISHAY- DALE ELECTRONICS INC	CRCW02011K62FKED
			KOA SPEER ELECTRONICS	RK73H1HTQTC1621F
R116, R117, R36, R48, R85	5	RES D,0201,10.00 kOHM,5.00%,1/20W,YES	KOA SPEER ELECTRONICS	RK73B1HTTB103J
			WALSIN TECHNOLOGY CORP	WR02X103JTL
			KOA SPEER ELECTRONICS	RK73B1HTTC103J
			WALSIN TECHNOLOGY CORP	WR02X103JAL
			YAGEO CORP.	RC0201JR-0710KL

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R37	1	RES D,0201,100.00 kOHM,5.00%,1/20W,YES	KOA SPEER ELECTRONICS	RK73B1HTTB104J
			WALSIN TECHNOLOGY CORP	WR02X104 JAL
			YAGEO CORP.	RC0201JR-07100KL
			PANASONIC INDUSTRIAL	ERJ-1GEJ104C
			KOA SPEER ELECTRONICS	RK73B1HTTC104J
R114, R38, R86	3	RES D,0402,576.00 OHM,1.00%,1/16W,YES	KOA SPEER ELECTRONICS	RK73H1ETTP5760F
			WALSIN TECHNOLOGY CORP	WR04X5760FTL
			YAGEO CORP.	RC0402FR-07576RL
			VISHAY- DALE ELECTRONICS INC	CRCW0402576RFKED
			VISHAY- DALE ELECTRONICS INC	CRCW0402576RFKEDC
R39	1	RES D,0201,4.70 kOHM,5.00%,1/20W,YES	KOA SPEER ELECTRONICS	RK73B1HTTC472J
			WALSIN TECHNOLOGY CORP	WR02X472 JAL
			YAGEO CORP.	RC0201JR-074K7L
			ROHM ELECTRONICS	MCR006YZPJ472
			TA-I TECHNOLOGY CO. LTD.	RM02JTN472
			KOA SPEER ELECTRONICS	RK73B1HTQTC472J
R49	1	RES_D,0201,220.00OHM,5.00 %,1/20W,	KOA SPEER ELECTRONICS	RK73B1HTQTC221J
			YAGEO CORP.	RC0201JR-07220RL
			WALSIN TECHNOLOGY CORP	WR02X221 JAL
			VISHAY- DALE ELECTRONICS INC	CRCW02012K00FNED
R72	1	RES D,0201,2.00 kOHM,1.00%,1/20W,YES	KOA SPEER ELECTRONICS	RK73H1HTTC2001F
			WALSIN TECHNOLOGY CORP	WR02X2001FTL
			YAGEO CORP.	RC0201FR-072KL
			WALSIN TECHNOLOGY CORP	WR02X2001FAL
			KOA SPEER ELECTRONICS	RK73H1HTTC4702F
R111	1	RES_D,0201,47.0kOHM,1.00%, 1/20W,	WALSIN TECHNOLOGY CORP	WR02X4702FAL
			YAGEO CORP.	RC0201FR-0747KL

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R115	1	RES_D,0402,100.00mOHM,1.0 0%,1/16W,	WALSIN TECHNOLOGY CORP	VW04XR100FTL
			YAGEO CORP.	RL0402FR-130R1L
			YAGEO CORP.	RL0402FR-070R1L
L1	1	INDCT,MTILAYER,1.00uH,1.1A, 0805,30.0%,	FDK COPORATION	MIPSZ2012D1R0
SW1	1	CONN,SWIT,TACTILE,VT,SPST, 2,50.0 mA,SMT>	E-SWITCH	TL1015AF160QG
J1, J2, J21	3	CONN,HDR,1X2,PLG,VT,0.1,06 2ST,KP	WIESON TECHNOLOGIES CO., LTD	G2100C888-227H
J3	1	CONN,I/O,5P,USB,RA,.6MM,SM T,SHIELDED,	TYCO ELECTRONICS	2013499-1
J7	1	CONN,MISC,70P,BTB RCPT,.4MM SMT	HIROSE ELECTRIC (U.S.A.),INC.	DF40HC(3.0)-70DS-0.4V(51)
J16	1	CONN,MISC,5P,MICRO USB,AB RECEPT,	TYCO ELECTRONICS	1981584-1
J1	1	CONN,HDR,1 X	TYCO ELECTRONICS	390088-1
CR1	1	IC,DS,DIO,SOD123,RM160M- 40,SHTKY,	ROHM CO., LTD.	RB160M-40
CR2, CR6, CR7	3	IC,DS,DIO,SMT,DB2W31900L,S HTKY,	PANASONIC	DB2W31900L
DS1, DS3	2	LED,1005,SM,GRN,V,1.00,RC,1	LITEON TECHNOLOGY CORP.	LTST-C281KGKT
Q8	1	IC,DS,FET N,SOT- 23,BSS138LT3G	ON SEMICONDUCTOR	BSS138LT3G
			FAIRCHILD SEMICONDUCTOR CORP	BSS138_NL
			ON SEMICONDUCTOR	BSS138LT1G
			DIODES INC/LITEON POWER SEMI	BSS138-7-F
			INFINEON TECH. CORP	BSS138NL6327
			FAIRCHILD SEMICONDUCTOR CORP	BSS138
			INFINEON TECH. CORP	BSS138N E6327
			INFINEON TECH. CORP	BSS138N H6327
			FAIRCHILD SEMICONDUCTOR CORP	BSS138_G
U1	1	IC,USB CHG,LION,16P,QFN,10.5V,BQ2 4074RGT	TEXAS INSTRUMENT	BQ24074RGTR
U2	1	IC,VLSI,OTHER,FT232,QFN,32	FUTURE TECHNOGY DEVICES INTL	FT232RQ-REEL
U36	1	IC,LIN,ANALOGSWITCH,DFN,MI C2039,	MICREL INC	MIC2039EYMT
U37	1	IC,LIN,QFN,TPS62133,CONTRO LR	TEXAS INSTRUMENTS	TPS62133RGTR