

Bill of Materials

Item	Quantity	Reference	Part Vendor	Footprint	Part Description	Part Number
1	1	C1	C100p-1808	SMD1808-A1	CAP, SMD, Ceramic, 10%, 2kV, 1808	
3	9	C3,C4,C5,C6,C7 C8,C40,C42,C45	C-0.1uF AVX CORPORATION, A KYOCERA GRP CO AVX TANTALUM CORPORATION (KYOCERA) KEMET UNION CARBIDE CORP MURATA ELECTRONICS N AMERICA, INC. MURATA MFG CO LTD MEPCOPAL COMPANY (PHILIPS COMPS) PHILIPS COMPONENTS ROHM CO LTD (HQ) ROHM ELECTRONICS (US HQ) ROHM INDUSTRIA ELETRONICA LTDA TDK CORPORATION TDK CORPORATION OF AMERICA NOVACAP (DOVER TECH) SAMSUNG ELECTRO-MECHANICS (KOREA) SAMSUNG ELECTRO-MECHANICS (USA) CAL-CHIP ELECTRONICS	SMD0603-A1	C/C/SMD, Y5V, +80/-20%, 25V, 0603	06033G104ZAT2A C0603C104Z3VAC GRM39Y5V104Z025AD 06032F104Z8BB0D 2222 916 19849 MCH182F104ZK C1608Y5V1E104ZT 0603Y104Z250NT CL10F104ZANC GMC10Y5V104Z25NT
4	8	C12,C13,C16,C18, C20,C21,C22,C23	C-0.01uF AVX CORPORATION, A KYOCERA GRP CO AVX TANTALUM CORPORATION (KYOCERA) MURATA ELECTRONICS N AMERICA, INC. MURATA MFG CO LTD MEPCOPAL COMPANY (PHILIPS COMPS) PHILIPS COMPONENTS ROHM CO LTD (HQ) ROHM ELECTRONICS (US HQ) ROHM INDUSTRIA ELETRONICA LTDA TDK CORPORATION TDK CORPORATION OF AMERICA NOVACAP (DOVER TECH) SAMSUNG ELECTRO-MECHANICS (KOREA) SAMSUNG ELECTRO-MECHANICS (USA) CAL-CHIP ELECTRONICS	SMD0603-A1	C/C/SMD, Y5V, +80/-20%, 25V, 0603	06035G103ZAT2A GRM39Y5V103Z050AD 06032F103Z9BB0D 2222 586 19836 MCH185F103ZK C1608Y5V1H103ZT 0603Y103Z500NT CL10F103ZBNC GMC10Y5V103Z50NT
5	1	C25	C-0.47uF AVX CORPORATION, A KYOCERA GRP CO AVX TANTALUM CORPORATION (KYOCERA) MURATA ELECTRONICS N AMERICA, INC. MURATA MFG CO LTD ROHM CO LTD (HQ) ROHM ELECTRONICS (US HQ) ROHM INDUSTRIA ELETRONICA LTDA NOVACAP (DOVER TECH) TDK CORPORATION TDK CORPORATION OF AMERICA	SMD1206-A1	C/C/SMD, +80-20%, 25V, 1206	12065G474ZAT2A GRM42-6Y5V474Z050AD MCH315F474ZK 1206Y474Z500NTM C3216Y5V1H474ZT
6	1	C27	C-33uF AVX CORPORATION, A KYOCERA GRP CO AVX TANTALUM CORPORATION (KYOCERA)	SMD7343-A1	C/T/SMD, +/-20%, 16V, 7343	TAJD336M016

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			CENTRALAB HONG KONG LTD (PHILIPS)			
			MEPCO/CENTRALAB (PHILIPS COMPS)			49MC336D016MOASF
			KEMET UNION CARBIDE CORP			T491D336M016AS
			NEC CORPORATION HQ			
			NEC ELECTRONICS INC.			NRD336M16R
			MATSUSHITA ELECTRIC INDUSTRIAL CO			
			PANASONIC IND CO / DIV MATSUSHITA			ECST1CD336R
			ITT CANNON COMPONENTS DIV			TAJD336M016R
			SPRAGUE ELECTRIC CO - CAPS, ALUM			
			SPRAGUE ELECTRIC CO - CAPS, FILM			
			SPRAGUE ELECTRIC CO - CAPS, TA SOL			
			SPRAGUE ELECTRIC CO - CAPS, TA SOL			
			SPRAGUE ELECTRIC CO - CAPS, TA WET			
			SPRAGUE ELECTRIC CO - FILTERS			293D336X0016D2T
8	2	C31,C32	C-27pF	SMD0603-A1	C/C/SMD, COG, 10%, 50V, 0603	
			AVX CORPORATION, A KYOCERA GRP CO			06035A270KAT2A
			AVX TANTALUM CORPORATION (KYOCERA)			C0603C270K5GAC
			KEMET UNION CARBIDE CORP			
			MURATA ELECTRONICS N AMERICA, INC.			GRM39COG270K050AD
			MURATA MFG CO LTD			0603CG270K9BB0
			MEPCOPAL COMPANY (PHILIPS COMPS)			2222 867 16279
			PHILIPS COMPONENTS			
			ROHM CO LTD (HQ)			
			ROHM ELECTRONICS (US HQ)			
			ROHM INDUSTRIA ELETRONICA LTDA			MCH185A270KK
			TDK CORPORATION			
			TDK CORPORATION OF AMERICA			C1608C0G1H270FT
			NOVACAP (DOVER TECH)			0603N270K500NT
			SAMSUNG ELECTRO-MECHANICS (KOREA)			
			SAMSUNG ELECTRO-MECHANICS (USA)			CL10C270KBNC
			CAL-CHIP ELECTRONICS			GMC10CG270K50NT
9	3	C37,C38,C39	C-10uF	SMD6032-A1	C/T/SMD, +/-20%, 16V, 6032	
			KEMET UNION CARBIDE CORP			T491C106M016AS
			SPRAGUE ELECTRIC CO - CAPS, ALUM			
			SPRAGUE ELECTRIC CO - CAPS, FILM			
			SPRAGUE ELECTRIC CO - CAPS, TA SOL			
			SPRAGUE ELECTRIC CO - CAPS, TA SOL			
			SPRAGUE ELECTRIC CO - CAPS, TA WET			
			SPRAGUE ELECTRIC CO - FILTERS			293D106X0016C2T
			NICHICON AMERICA CORP			F931C106MC
			KOA SPEER ELECTR INC			
			KOA (JAPAN)			TMC1CC106MLRH
10	2	C41,C43	C-0.001uF	SMD0603-A1	C/C/SMD, Y5V, +80/-20%, 50V, 0603	
			MURATA ELECTRONICS N AMERICA, INC.			GRM39Y5V102Z050AD
			MURATA MFG CO LTD			
			ROHM CO LTD (HQ)			
			ROHM ELECTRONICS (US HQ)			
			ROHM INDUSTRIA ELETRONICA LTDA			MCH185F102ZK
			TDK CORPORATION			
			TDK CORPORATION OF AMERICA			C1608Y5V1H102ZT
			NOVACAP (DOVER TECH)			0603Y102Z500NT
11	1	C44	C-10uF	SMD3528-B1	CAP, SMD, Tant, 10%, 16V, 3528	
			AVX CORPORATION, A KYOCERA GRP CO			TAJB106K016R
			AVX TANTALUM CORPORATION (KYOCERA)			T491B106K016AS
			KEMET UNION CARBIDE CORP			
			MALLORY - N AMERICAN CAPACITOR CO			T491B106K016AS

Item	Quantity	Reference	Part Vendor	Footprint	Part Description	Part Number
			MATSUSHITA ELECTRIC INDUSTRIAL CO			
			PANASONIC IND CO / DIV MATSUSHITA			ECST1CX106KR
			SPRAGUE ELECTRIC CO - CAPS, ALUM			
			SPRAGUE ELECTRIC CO - CAPS, FILM			
			SPRAGUE ELECTRIC CO - CAPS, TA SOL			
			SPRAGUE ELECTRIC CO - CAPS, TA SOL			
			SPRAGUE ELECTRIC CO - CAPS, TA WET			
			SPRAGUE ELECTRIC CO - FILTERS			293D106X9016B2
			NICHICON AMERICA CORP			F931C106KBA
			KOA SPEER ELECTR INC			
			KOA (JAPAN)			TMC1CB106KLRH
			MATSUO ELECTRONICS			267E1602106K
			LED-YEL-SMD	LED-SMD-2P	LED, Yellow, SMD, Gull Wing S-Type	
13	1	D3	DIGI-KEY CORPORATION			P517CT-ND
			MATSUSHITA ELECTRIC INDUSTRIAL CO			
			PANASONIC IND CO / DIV MATSUSHITA			LN1471SY
			LED-GRN-SMD	LED-SMD-2P	LED, Green, SMD, Gull Wing S-Type	
14	2	D4,D5	DIGI-KEY CORPORATION			P516CT-ND
			MATSUSHITA ELECTRIC INDUSTRIAL CO			
			PANASONIC IND CO / DIV MATSUSHITA			LN1371SG
			DIODE	SMB	Schottky Diode - (Intl Rect 10BQ015)	
15	5	D6,D7,D8,D9,D10	International Rectifier			10BQ015
			RJ45_LAN		RJ-45_LAN WITH SHIELDS	
17	1	JP6	TYCO Electronics			AMP 557787-1
			STEWART CONNECTOR SYSTEMS INC.			SS-6488S-A-NF
			WOLHDR		WOL/PME Header 1 x 3 (AMP 173979-3)	
19	1	J2	TYCO Electronics			AMP 173979-3
			L-BEAD	SMD1206-A1	Inductor, 26 ohms @100Mhz, 1206	
21	1	L2	TDK CORPORATION			HF70ACB-321611T
						CB30-1206 T&R
						CB30-321611T
			DUAL-MOSFET	SO-8	Dual MOSFET - PMOS & NMOS (Intl Rect IRF7105)	
22	2	Q1,Q2	International Rectifier			IRF7105
23	2	R2,R3	R-49.9	SMD0603-A1	RES, SMD, 1/10W, 1%, 0603	
24	2	R5,R4	R-54.9	SMD0603-A1	RES, SMD, 1/10W, 1%, 0603	
25	3	R6,R15,R16	R-0.0	SMD0603-A1	RES, SMD, 1/16W, 1%, 0603	
26	1	R7	R-10K +/-1%	SMD0603-A1	RES, SMD, 1/16W, 1%, 0603	
27	3	R8,R9,R10	R-453	SMD0603-A1	RES, SMD, 1/10W, 1%, 0603	
28	2	R11,R12	R-1K	SMD0603-A1	RES, SMD, 1/16W, 5%, 0603	
29	4	R14,R19,R22,R23	R-75	SMD0603-A1	RES, SMD, 1/16W, 1%, 0603	
30	3	R17,R18,R24	R-10K	SMD0603-A1	RES, SMD, 1/10W, 1%, 0603	
31	1	R21	R-20K	SMD0603-A1	RES, SMD, 1/10W, 1%, 0603	
			10/100M XFORMER	XFMR-PULSE-PE68515	10/100BASE MAGNETICS	
			Pulse			PE-68515L
34	1	U2	VOLTAGE REG	MA04A	Voltage Regulator 5-3.3v SOT223	
			NATIONAL SEMICONDUCTOR CORP			LM3940IMP-3.3
35	1	U3	EEPROM	SO8N	Serial EEPROM 1024bits	

Item	Quantity	Reference	Part Vendor	Footprint	Part Description	Part Number	
			FAIRCHILD SEMICONDUCTOR			FM93C46LM8	
36	1	U5	DP83816	QFP144-JEDEC-VNG144A	MacPHYTERII DP83816		
37	1		BOOT ROM SOCKET	XPLCC32RECT	BIOS ROM Socket (128 x 8K)		
			TYCO Electronics			AMP 822406-1	
			BERG ELECTRONICS - MCKENZIE DIV			PLCC-32P-T-SMT-P	
			METHODE ELECTRONICS INC BUS BAR DIV				
			METHODE ELECTRONICS INC., CONN DIV			213-032-601	
			NEWARK ELECTRONICS			51F1155	
38	1	Y2	XSTAL-25M	HC49-US	Crystal, 25.000M, 20pF, 50ppm	230008714-025	
			FOX ELECTRONICS			FOXS/250F-20	
			MONITOR PRODUCTS CO. INC.			MS49N1C3A25.000	
			RALTRON			AS-25.000-20 30/50PPM	
			CALIBER ELECTRONICS, INC.			BB20C1-25.000MHZ	
			ABRACON CORPORATION			ABL-25.0000MHZ-20-4-Z	
			HOSONIC ELECTRONIC CO., LTD.			HC-49S-25.000-20-F	
			On board Parts but not required:				
2	1	C2	C-1uF	SMD0603-A1	Ceramic Y5V, +80/-20%, 10V, 0603		
4	4	C14,C15,C17,C19	C-0.01uF	SMD0603-A1	C/C/SMD, Y5V, +80/-20%, 25V, 0603		
7	1	C30	C-10pF	SMD0603-A1	C/C/SMD, COG, 10%, 50V, 0603		
12	1	D1	DIODES-ESD	SO8-A1	Quad Diode, ESD, SO8	SGS-Thomson DA108S1	
16		FID1,FID2,FID3,FID4	FIDUCIAL	FID40R	Fiducial (no stuff)	Do Not Populate	
18		J1	PCI EDGE CONNECTOR	CN-PCI-FINGER	PCI Edge Connector	Do Not Populate	
20	1	J4	HDR-1X1	CN-HDR1X1			
21	1	L1	L-BEAD	SMD1206-A1	Inductor, 26 ohms @100Mhz, 1206		
28	1	R13	R-1K	SMD0603-A1	RES, SMD, 1/16W, 5%, 0603		
30	1	R25	R-10K	SMD0603-A1	RES, SMD, 1/10W, 1%, 0603		
32	1	R26	R-0.0	SMD1210-A1	RES, SMD, 1/4W, 1%, 1210		

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