Bill-of-Material
Outsite Networks, Inc. - WPS03
Assembly: CPU
Version: R200 Generated: April 30, 2012
This BOM is RoHS compliant *
Items changed from previous mules

Items changed from previous revision (R)	
NOTE Packaging specification fields (e.g. reel, tube, bulk pack) have been replaced by '-' in Mfg Part Numbers

ITEM	QTY	Packaging specification fields (e.g. reel, tub Ref-Des	MEOVENTUS DIN	VALUE	IN MIG Part Numbers DESCRIPTION	PACKAGE	MANUFACTURER 1	MFGR1 PART NUMBER	MANUEACTURED 2	MFGR2 PART NUMBER
1		R8,R9,R37,R39,R40,R110,R116,R117,R118	NEOVENTUS P/N 1122-0003	10.0K	RES, 0603, 1%, 1/10W, 10.0K, THICK FILM	603	PANASONIC	ERJ-3EKF1002	MANUFACTURER 2	MPGRZ PART NUMBER
2	4	R53,R54,R59,R162 R28,R29,R35,R55,R63,R67,R68,R76,R81,R84,R85,R	1122-0009	71.5K	RES, 0603, 1%, 1/10W, 71.5K, THICK FILM	603	PANASONIC	ERJ-3EKF7152		
		88,R89,R98,R99,R100,R101,R102,R103,R104,R106								
3 4	26 1	,R130,R145,R149,R150,R164 R50	1122-0010 1122-0028	15.0K 10	RES, 0603, 1%, 1/10W, 15.0K, THICK FILM RES, 0603, 1%, 1/10W,10.0, THICK FILM	603	PANASONIC PANASONIC	ERJ-3EKF1502 FRI-3EKF10R0		
_			1111 0010	10	nes, 6663, 27, 2/204,2630, THERTEN	003	ANDONIC	LIG JEM 10NO		
		R15,R16,R34,R36,R51,R60,R64,R69,R108,R111,R1								
5	27	128,R152,R153,R154,R155,R156,R157,R158	1122-0029	100	RES, 0603, 1%, 1/10W, 100.0, THICK FILM	603	PANASONIC	ERJ-3EKF1000		
- 6 - 7		R30,R38,R72 R22,R32,R48,R107,R112,R159,R166,R167	1122-0031 1122-0034	2.49K 1.50K	RES, 0603, 1%, 1/10W, 2.49K, THICK FILM RES, 0603, 1%, 1/10W, 1.50K, THICK FILM	603 603	PANASONIC PANASONIC	ERJ-3EKF2491 ERJ-3EKF1501	ROHM	MCR03FX1501
8		R7,R19,R20,R21,R23,R41,R42,R45	1122-0039	30.1K	RES, 0603, 1%, 1/10W, 30.1K, THICK FILM	603	PANASONIC	ERJ-3EKF3012	NOTINE	meloj 171301
9	11	R52,R109,R132,R133,R134,R139,R140,R141,R142, R143.R144	1122-0047	4.75K	RES, 0603, 1%, 1/10W, 4.75K, THICK FILM	603	PANASONIC	ERJ-3EKF4751		
10	4	R46,R47,R49,R160	1122-0051	49.9	RES, 0603, 1%, 1/10W, 49.9, THICK FILM	603	PANASONIC	ERJ-3EKF49R9		
11 12	3	R33 R25,R43,R44	1122-0057 1122-0065	12.4K 1.00M	RES, 0603, 1%, 1/10W, 12.4K, THICK FILM RES, 0603, 1%, 1/10W, 1.00M, THICK FILM	603 603	PANASONIC PANASONIC	ERJ-3EKF1242 ERJ-3EKF1004		
13	1	R97	1122-0089	820	RES, 0603, 1%, 1/10W, 820, THICK FILM	603	PANASONIC	ERJ-3EKF8200		
14 15	4	R105 R70,R71,R74,R78	1122-0090 1122-0095	2.74K 806	RES, 0603, 1%, 1/10W, 2.74K, THICK FILM RES, 0603, 1%, 1/10W, 806, THICK FILM	603 603	PANASONIC PANASONIC	ERJ-3EKF2741 ERJ-3EKF8060		
16		R77,R115	1122-0097	42.2K	RES, 0603, 1%, 1/10W, 42.2K, THICK FILM	603	PANASONIC	ERJ-3EKF4222		
17 18		R58 R56,R161	1122-0098 1122-0100	8.06K 130K	RES, 0603, 1%, 1/10W, 8.06K, THICK FILM RES, 0603, 1%, 1/10W, 130K, THICK FILM	603	PANASONIC PANASONIC	ERJ-3EKF8061 ERJ-3EKF1303		
19 20		R57,R75,R90 R31	1122-0102 1122-0104	23.7K 2.80M	RES, 0603, 1%, 1/10W, 23.7K, THICK FILM RES, 0603, 1%, 1/10W, 2.80M, THICK FILM	603 603	PANASONIC VISHAY	ERJ-3EKF2372 CRCW06032M80FK		
21		R73,R79,R94	1122-0104	8.25K	RES, 0603, 1%, 1/10W, 2.50M, THICK FILM RES, 0603, 1%, 1/10W, 8.25K, THICK FILM	603	PANASONIC	ERJ-3EKF8251		
		R1,R2,R3,R4,R5,R6,R61,R62,R65,R66,R80,R82,R83, R86,R87,R91,R92,R120,R131,R135,R136,R137,R14								
22	24	7,R148	1122-0107	27	RES, 0603, 1%, 1/10W, 27.0, THICK FILM	603	PANASONIC	ERJ-3EKF27R0		
23		R96 R126	1122-0121 1122-0122	102K 6.81K	RES, 0603, 1%, 1/10W, 102K, THICK FILM RES, 0603, 1%, 1/10W, 6.81K, THICK FILM	603	PANASONIC STACKPOLE ELECTRONICS	ERJ-3EKF1023 RNCP0603F-D6K81		
25	4	R11,R12,R93,R138	1133-0001	0, JUMPER	RES, 0805, 5%, 1/8W, JUMPER, 0, THICK FILM	805	PANASONIC	ERJ6GEY0R00		
26 27	6	R17,R18,R24,R26,R27,R95 RN1.RN2.RN3.RN4	1152-0005 1401-0004	75 10	RES, 1210, 1%, 1/2W, 75.0 OHMS, THICK FILM RES NTWK, ISO, 16 TERM, 1.60mmx3.8mm, 5%, 1/16W, 10	1210 1.6X3.8	PANASONIC PANASONIC	ERJ-14NF75R0 EXB-2HV100J	—	
28	2	C143,C145	2107-0010	1000pF	CAP, CERAMIC, NPO, 0603, 1000pF, 5%, 50V	603	MURATA	GRM1885C1H102JA01		
29 30	6 5	C107,C114,C141,C144,C146,C157 C20,C168,C169,C172,C173	2107-0011 2107-0014	470pF 10PF	CAP, CERAMIC, NPO, 0603, 470pF, 5%, 50V CAP, CERAMIC, NPO, 0603, 10pF, 5%, 50V	603 603	AVX MURATA	06035A471JAT-A GCM1885C1H100JA16	PANASONIC	ECJ1VC1H471J
31	7	C3,C4,C21,C31,C34,C99,C102	2107-0014	27pF	CAP, CERAMIC, NPO, 0603, 10pr, 376, 30V CAP, CERAMIC, NPO, 0603, 27pF, 5%, 50V	603	AVX	06035A270JAT-A		
32	17	C7,C8,C9,C16,C17,C83,C85,C129,C130,C132,C133, C134.C135.C151.C152.C160.C161	2107-0020	15pF	CAP, CERAMIC, NPO, 0603, 15pF, 5%, 50V	603	AVX	06035A150JAT-A	_	1
33	2	C5,C6	2107-0023	56PF	CAP, CERAMIC, NPO, 0603, 56pF, 5%, 50V	603	AVX	06035A560JAT-A	TDK	C1608C0G1H560J
34	2	C12,C13	2107-0024	68pF	CAP, CERAMIC, NPO, 0603, 68pF, 5%, 50V	603	AVX	06035A680JAT-A	TDK	C1608C0G1H680J
35	10	C22,C23,C49,C50,C51,C57,C142,C147,C170,C171	2137-0001	0.01uF	CAP, CERAMIC, X7R, 0603, 0.01uF, 10%, 25V	603	Panasonic	ECJ-1VB1E103K		
		[24, C25, C26, C27, C28, C33, C35, C38, C39, C40, C41, C43, C45, C46, C45, C45, C45, C45, C45, C45, C45, C45								
36 37	74	C166 C153.C155.C156	2137-0002 2140-0019	0.1uF 0.47uF	CAP, CERAMIC, X7R, 0603, 0.1uF, 10%, 25V CAP, CERAMIC, X7R, 0805, 0.47uF, 10%, 50V	603 805	MURATA MURATA	GRM188R71E104KA01 GRM21BR71H474KA88		
38		C154,C158,C175	2146-0019	10uF	CAP, CERAMIC, X7R, 1805, 0.470F, 10%, 50V CAP, CERAMIC, X7R, 1210, 10uF, 10%, 35V	1210	MURATA	GRM32ER7YA106KA12		
		C18.C19.C30.C36.C37.C42.C44.C60.C68.C92.C101.								
39	20	C110,C112,C115,C122,C123,C124,C139,C140,C167	2170-0003	10uF	CAP, CERAMIC, XSR, 0805, 10uF, 10%, 10V	805	MURATA	GRM21BR61A106KE19		
40	6	C14,C15,C32,C106,C116,C177 C165,C174,C176	2170-0007 2177-0003	1.0uF 22uF	CAP, CERAMIC, X5R, 0805, 1.0uF, 10%, 50V CAP, CERAMIC, X5R, 1210, 22uF, 20%, 25V	805 1210	AVX TAIYO YUDEN	08055D105KAT-A TMK325BJ226MM		
42	2	C1,C2	2196-0001	1000PF	CAP, Ceramic COG, 1812, 1000pF, 20%, 25V	1812	NOVACAP	1812N102M202N		
43										
	5	C48,C136,C137,C150,C162	2203-0006	150uF 470uE	CAP, TANTALUM, 7343, 150uF, 20%, 10V, 0.700 ESR	7343	KEMET	T491D157M010AT		
44 45	7	C159 FB2,FB4,FB5,FB16,FB17,FB18,FB19	2210-0007 3102-0005	470uF 0.5A BEAD	CAP, TANTALUM, 7343, 150uF, 20%, 10V, 0.700 ESR CAP, ALUMINUM ELECTROLYTIC, 470uF, 20%, 35V FERRITE BEAD, 0603, 0.5A, 120 OHM	7343 SM 603	KEMET PANASONIC PANASONIC	T491D157M010AT EEV-FK1V471Q EXC-3BP121		
44	1	C159 FB2,FB4,FB5,FB16,FB17,FB18,FB19 FB15	2210-0007	470uF	CAP, TANTALUM, 7343, 150uf, 20%, 10V, 0.700 ESR CAP, ALUMINUM ELECTROLYTIC, 470uf, 20%, 35V	7343 SM	KEMET PANASONIC	T491D157M010AT EEV-FK1V471Q		
44 45 46	1 7 1	C159 F82,F84,F85,F816,F817,F818,F819 F815 F81,F83,F86,F87,F88,F89,F810,F811,F812,F813,F8 14,F820	2210-0007 3102-0005 3102-0007 3103-0003	470uF 0.5A BEAD 2A BEAD 4.0A BEAD	CAP, TANTALUM, 73-43, 1500F, 20%, 10V, 0.700 ESR CAP, ALUMINUM LEETERQUYTC, 2007, 20%, 35V FERRITE BEAD, 0603, 0.5A, 120 OHM FERRITE BEAD, 0603, 24, 120 OHM FERRITE BEAD, 0805, 40, 39 OHM	7343 SM 603 603	KEMET PANASONIC PANASONIC NIC COMPONENTS PANASONIC	T491D157M010AT EEV-FK1V471Q EXC-3BP121 NCB-H0603R121200F EXC-ML20A39D		
44 45 46 47 48	1 7 1	C159 F82,F84,F85,F816,F817,F818,F819 F81,F81,F86,F87,F88,F89,F810,F811,F812,F813,F8 14,F820 L10	2210-0007 3102-0005 3102-0007 3103-0003 3210-0029	470uF 0.5A BEAD 2A BEAD 4.0A BEAD 10uH	CAP, TANTALUM, 7343, 1500, 7.20%, 10V, 0.700 ISR CAP, ALUMNUM LECTROLYTIC, 4704, 250, 35V FERRITE BEAD, 0803, 0.5A, 1.20 OHM FERRITE BEAD, 0803, 2A, 120 OHM FERRITE BEAD, 0803, 2A, 0.04 39 OHM MUNICIPOR, 10W, 3.0M, 5.0M, 5.0M, 5.0M	7343 SM 603 603 805 SM-SHIELDED	KEMET PANASONIC PANASONIC NIC COMPONENTS PANASONIC VISHAY	T491D157M010AT EEV-FK1V471Q EEX-38P121 NCB-H0603R121-200F EXC-ML20A390 HILP2525CZ-100M01		
44 45 46 47 48 49 50	1 7 1 12 1 2 2	C159 F81,F81,F816,F817,F818,F819 F815 F81,F81,F86,F87,F88,F89,F810,F811,F812,F813,F8 L10 L10 L11,L12 L1,L2	2210-0007 3102-0005 3102-0007 3103-0003 3210-0029 3210-0030 3210-0031	470uF 0.5A BEAD 2A BEAD 4.0A BEAD 10uH 4.7uH 1.0uH	CAP, TARTALIM, 73-81, 350-J; 20%, 10V, 0.700 ESR CAP, ALUMINIMIA ETCHOUTIC, 470-QSN, 35V FERRIT BEAD, 6003, 0.54, 120 OHM FERRIT BEAD, 6003, 2,5, 120 OHM FERRIT BEAD, 6005, 2,6, 120 OHM SERRIT BEAD, 6005, 2,6, 120 OHM SHOULTON, 10H, 10A, 50A, 60A, 80 NOULTON, 10H, 10A, 50A, 60A, 805 NOULTON, 10H, 15A, 50A, 60B, 805 NOULTON, 10H, 15A, 50A, 60B, 805	7343 SM 603 603 805 SM-SHIELDED SM-SHIELDED SM-SHIELDED	KEMET PANASONIC PANASONIC NIC COMPONENTS PANASONIC VISHAY VISHAY TOK	T491D157M010AT EVC-38P121 NCB-H0603R121-200F EXC-ML20A390 HHP2525CZ-100M01 HLP2525CZ-4R7M01 NLX5323ZT-1R0J-PF		
44 45 46 47 48 49 50 51	1 7 1 12 1 2 2 2	C159 F02,F04,F05,F016,F017,F018,F019 F015 F015 F015 F01,F03,F06,F07,F08,F09,F010,F011,F012,F013,F0 14,F020 L10 L11,L12 L1,L2 L1,L2 L1,L3	2210-0007 3102-0005 3102-0007 3103-0003 3210-0029 3210-0030 3210-0031 3210-0037	470uF 0.5A BEAD 2A BEAD 4.0A BEAD 10uH 4.7uH 1.0uH	CAP, TANTALUM, 7343, 1506, 2706, 10V, 0.700 ESR CAP, ALUMINUM LETCHOUTTC, 4700, 20M, 53V FERRIT BEAD, 0603, 0.54, 120 OHM FERRIT BEAD, 0603, 2.4, 120 OHM FERRIT BEAD, 0605, 2.4, 120 OHM NOUCTOR, 10H, 3.04, 5.04, 60H5 NOUCTOR, 4.7H, 5.5, 5.5M, RoHS NOUCTOR, 1.0H, 4.50m, 5.5K, 5.M ROHS NOUCTOR, 1.0H, 4.50m, 5.5K, 5.M ROHS NOUCTOR, 1.0H, 4.50m, 5.5K, 5.M BEIZ, 60H5 NOUCTOR, 1.0H, 4.50m, 5.5K, 5.M BEIZ, 60H5	7343 SM 603 603 805 SM-SHIELDED SM-SHIELDED	KEMET PANASONIC PANASONIC NIC COMPONENTS NIC COMPONENTS PANASONIC VISHAY VISHAY VISHAY VISHAY VISHAY	T491D157M010AT EEV-FK1W471Q EXC-38P121 NCB-H6033R121-200F EXC-M120A990 HHP2525C2-4R7M01 NL453237-1R01-PF HHP2020E2-100M01		
44 45 46 47 48 49 50 51 52 53	1 7 1 12 1 2 2 1 1 1	C159 REP_REL_RES_FR16_FR17_FR18_FR19 FR15 FR15 FR15 FR15 FR15 FR15 FR15 FR15	2210-0007 3102-0005 3102-0007 3103-0003 3210-0029 3210-0030 3210-0031 3210-0037 3400-0005 4110-0015	470uF 0.5A BEAD 2A BEAD 4.0A BEAD 10uH 4.7uH 1.0uH 10uH HX1188 LMW321	CAP, TANTALUM, 734, 3506, 7504, 10V, 0.700 ESR CAP, ALUMINUM LETCHOUTCH, 6705, 20M, 53V FERRIT BEAD, 6803, 0.54, 120 OHM FERRIT BEAD, 6805, A. 120 OHM MOUCTOR, 10H; 3.04, 7.04 OHM MOUCTOR, 10H; 3.05, 5.M, 80H5 MOUCTOR, 10H; 3.05, 5.M, 80H5 MOUCTOR, 10H; 3.05, 5.M, 80H5 MOUCTOR, 10H; 3.06, 5.M, 80H5 MOUCTOR, 10H; 4.50m, 5.95, 5.M BEIZ, 80H5 MOUCTOR, 10H; 4.50m, 5.M, 5.M, 5.M, 5.E, 5.200 TRANSFORMER, SMOLE, ENET, 10,70080ASE, T., 40-8SC (C, OPAMP, SMOLE SPIVEY, GREF PURE), 10W POWER	7343 SM 603 603 805 SM-SHIELDED SM-SHIELDED SM-SHIELDED SM-SHIELDED SM-SHIELDED SM-SHIELDED SM-SHIELDED	KEMET PANASONIC PANASONIC NIC COMPONENTS PANASONIC VISHAY VISHAY VISHAY VISHAY PULSE TI	T4910157M010AT EEVFKLW171Q EXC-38P121 NCB-H0003R121-200F IHLP2535C2-100M01 HHP2535C2-4R7M01 NHS323271-800-FF HH-P202082-100M01 HK1188NL HW13210FH		
44 45 46 47 48 49 50 51 52 53 54	1 7 1 1 2 2 2 1 1 1 1	CLS9 REJAR/RES,F816,F817,F818,F819 F815 F815 REJARS,RES,F816,F817,F818,F819 LAFRED LAFRED LAFRED LAFRED LIST LIST LIST LIST LIST LIST LIST LIST	2210-0007 3102-0005 3102-0007 3103-0003 3210-0029 3210-0031 3210-0037 3400-0005 4110-0015 4113-0002	470uF 0.5A BEAD 2A BEAD 4.0A BEAD 10uH 4.7uH 1.0uH 1X1188 LMV3221 LM4876	CAP, TANTALLIM, 73-81, 500-p. 20%, 10V, 0.700 ESR CAP, ALUMINIUM, EETCHOUTTC, 470-p. 20%, 50V FERRIT BEAD, 0603, 0.54, 120 OHM FERRIT BEAD, 0603, 3, 120 OHM MIDICTON, 100-H, 30M, 30M, 30M, 30M, 30M, 30M, 30M, 30M	7343 SM 603 603 805 SM-SHIELDED	KEMET PANASONIC PANASONIC NIC COMPONENTS NIC COMPONENTS PANASONIC VISHAY VISHAY VISHAY VISHAY VISHAY	T4910157M010AT EEVFK1W71Q BKC-3B9121 NCB-10603R121-200F DKC-ML20A390 HLP2525CZ-46X7M01 NLP2525CZ-46X7M01 NLP2525CZ-46X7M01 NLP5232T-100-9F HLP2020BZ-1000M01 HLP13BNL LMV32110BV-Q1 LMV3210BV-Q1 LMV3210BV-Q1 LMV3210BV-Q1		
44 45 46 47 48 49 50 51 52 53 54 55 56	1 7 1 1 2 2 2 1 1 1 1 1 1	CLS9 REJAR/RES,F816,F817,F818,F819 F815 F815 REJARS,RS6,F87,F88,F89,F810,F811,F812,F813,F8 14,F820 L11,L12 L13	2210-0007 3102-0005 3102-0007 3103-0003 3210-0030 3210-0031 3210-0031 3210-0035 4110-0015 4113-0002 4114-0002	470uF 0.5A BEAD 2A BEAD 2A BEAD 4.0A BEAD 10uH 1.0uH 1	CAP, TANTALLIM, 73-81, 506-J. 20%, 10V, 0.700 ESR CAP, ALUMINUM EETCHOUTTC, 470-G. 20%, 35V FERRIT BEAD, 0603, 0.54, 120 OHM FERRIT BEAD, 0603, 0.54, 120 OHM FERRIT BEAD, 0603, 3.10 OHM FERRIT BEAD, 0605, 3.100 OHM FERRIT BEAD, 0605, 3.100 OHM FERRIT BEAD, 0605, 3.00, 30 OHM ROUCICO, 1.004, 3.50, 3.00, 0005 ROUCICO, 3.004, 3.00, 3.00 ROUCICO, 3.004, 3.00, 3.00 ROUCICO, 3.004, 3.00, 3.00 ROUCICO, 3.004, 3.004 ROUCICO, 3.004, 3.004 ROUCICO, 3.004 ROUCICO	7343 SM 603 603 805 SM-SHIELDED SM-SHIELDE	KEMET PANASONIC PANASONIC NIC COMPONENTS PANASONIC VISHAY VISHAY VISHAY VISHAY PULSE TI	T4910157M010AT EEVFKIM71Q EXC-38P121 NCB-H00058121-200F NC_ML20A380 HLP2525C-100M01 HLP2525C-100M01 HLP2525C-100M01 HLP2525C-100M01 HLP2520C-100M01 HLP2520C-100M01 HLP250C-100M01 HLP250C-100M01 HLP250C-100M01 HLP250C-100M01 HLP250MC-100M01 HLP250MC-100M01 HLP250MC-100M01 HLP250MC-100M01 HLP250MC-100M01 HLP250MC-100M01 HLP250MC-100M01 HLP250MC-100M01 HLP250MC-100M01 HLP25MC-100M01 HLP25MC-100M		
44 45 46 47 48 49 50 51 52 53 54 55 56	1 7 1 1 2 2 2 1 1 1 1 1 1 1	(159 ILSP, 7816, F817, F818, F819 F815, F817, F818, F819 F815, F816, F817, F818, F81	2210-0007 3102-0005 3102-0007 3103-0003 3210-0029 3210-0031 3210-0037 3400-0005 4110-0015 4113-0002 4114-0002	470uF 0.5A BEAD 2A BEAD 4.0A BEAD 10uH 1.0uH 1.0uH HX1188 LMV321 LM4876 LM339AD LT3507EUHF TPS61040	CAP, TANTALUM, 734, 3506, 7504, 10V, 0.700 ESR CAP, ALUMINUM EETENOUTIC, 4700, 20M, 53V FERRIT BEAD, 6003, 0.54, 120 OHM FERRIT BEAD, 6003, 2.4, 120 OHM FERRIT BEAD, 6005, 2.4, 120 OHM NOUCTOR, 10H, 3.04, 5.04, 6015 NOUCTOR, 4.7H, 5.5, 5.5M, RoHS NOUCTOR, 1.0H, 4.304, 5.5M, 8015 NOUCTOR, 1.0H, 4.50m, 5.9K, 50182, 6015 NOUCTOR, 1.0H, 4.50m, 5.9K, 50182, 6015 NOUCTOR, 1.0H, 4.50m, 5.9K, 50182, 6015 NOUCTOR, 10H, 4.0W, 50182, 50182, 6015 NOUCTOR, 10H, 4.0W, 50182, 50182, 6015 NOUCTOR, 10H, 4.0W, 50182, 50182, 60182 NOUCTOR, 10H, 4.0W, 50182, 50182 NOUCTOR, 10H, 4.0W, 50182, 50182 NOUCTOR, 10H, 4.0W, 50182 NOUCTOR, 10H, 50182 NOUCTOR, 10H, 50182 NOUCT	7343 SM 603 603 805 SM-SHIELDED SM-SHIELDED SM-SHIELDED SM-SHIELDED SM-SOT23-5 SOIC3-6.0mm SOIC14 QFN39 SOT23-5	KEMET PANASONIC PANASONIC NIC COMPONENTS PANASONIC VISHAY VISHAY VISHAY VISHAY PULSE IN NATIONAL SEMICONDUCTOR TI LUMEAR TECH TI LUMEAR TECH TI LUMEAR TECH TI TORANSONIC USHAY LUMEAR TECH TI LUMEAR TECH TI LUMEAR TECH TI	T4910157M010AT EEV-FK1W71Q EXC-38P121 EXC-8P121 EXC-ML20A390 HHP2525C2-100M01 HHP2525C2-100M01 HHP2525C2-100M01 HHP2525C2-100M01 HHP2525C2-100M01 HHP2525C2-100M01 HHP2520C2-100M01 HHP2620C82-100M01 HM188NI HM72020R2-100M01 HM188NI HM3210BV-Q1 HM4576M/NOPP HM339AD LT3507EUHF#PBF T79510400BV		
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44 45 46 47 48 49 50 51 51 52 53 54 55 56 57 58 60 60 61	1 7 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C159 REJ, RALFRES, FRIS,	2210-0007 3102-0005 3102-0007 3103-0003 3210-0029 3210-0039 3210-0031 3210-0031 3210-0031 3210-0031 3410-0015 4113-0002 4120-0025 4120-0026 4121-0032 4120-0026 4121-0032 4120-0046 4140-0007 4140-0006 4140-0007 4140-0007	4704F 0.5A BEAD 2A BEAD 4.0A BEAD 4.0A BEAD 1004H 1004H 1004H 1004H 1X1188 1M49761 1M597A 1K557TUHF 1T557TUHF 1T557T	CAP, TANTALLIM, 73-81, 3504, 7504, 1014, 07:00 ESR CAP, ALUMINUM EETCHOUTTC, 4704, 20%, 35V FERRIT BEAD, 0803, 0.54, 120 OMM FERRIT BEAD, 0803, 0.54, 120 OMM FERRIT BEAD, 0805, A. 103 OMM RIDUCTOR, 1014, 1304, 304, 7005 ROUCTOR, 4704, 554, 544, 700 ROUCTOR, 1014, 1504, 540, 7005 ROUCTOR, 1014, 1014, 1014, 1014 ROUCTOR, 1014, 1014, 1014 ROUCTOR,	7343 SM 603 603 805 SM-SHIEDED SM	SEMET PANASONIC PANASONIC NICOMPONITS PANASONIC VISHAY VISHAY TOR VISHAY VISHAY PALS PANASONIC USHAY TOR VISHAY PALS TOR WISHAY PALS TOR WISHAY PALS MATONIAL SEMECONDUCTOR MATONIAL SEMECONDUCTOR NATIONIAL SEMECONDUCTOR NOK TYX COTEZEN	TREDISTANGIONT EVENTEURING EXC.389121-200F EXC.4801212-200F EXC.480203890 HHV2552C-2100M01 HHV2552C-2100M01 HHV2552C-2100M01 HHV2552C-100M01 HHV2532C-100M01 HHV2532C-100M01 HV2532D-1100-97 HV2532D-1100-97 HV2532D-1100-97 HV3532D-1100-97 H		
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441 45 46 47 48 49 50 51 52 53 54 55 56 67 60 61 62 63 64 65 66	1	C159 REJRAFRS,F816,F817,F818,F819 RB15 RB15 RB15 RB16,RB16,RB7,F88,F89,F810,F811,F812,F813,F8 LM5020	2210-0007 3102-0005 3102-0007 3102-0007 3210-0023 3210-0033 3210-0033 3210-0033 3210-0033 3210-0033 3210-0033 3210-0033 3210-0033 3210-0033 3210-0033 4110-0015 4112-0026 4120-0	4704 4704 0.5.4 EAD 0.5.4	CAP, TANTALLIM, 73-81, 350-J; 20%, 10V, 07:00 ESR CAP, ALUMINUM EETCHOUTTC, 470-G, 20%, 35V FERRIT BLAD, 6030, 5-54, 120 OHM FERRIT BLAD, 6030, 5-54, 120 OHM FERRIT BLAD, 6030, 3-74, 120 OHM FERRIT BLAD, 6030, 3-74, 120 OHM MOLICTOR, 100-H, 3-00, 3-74, 100-H MOLICTOR, 100-H, 3-00, 3-74, 100-H MOLICTOR, 100-H, 3-74, 100-H MOLICTOR, 100-H, 3-74, 100-H MOLICTOR, 100-H, 3-74, 100-H MOLICTOR, 100-H, 4-50-M, 3-85, 5-M 1812, 60-H MOLICTOR, 100-H, 4-50-M, 100-H MOLICTOR, 100-H	7343 SM 603 603 603 805 805 SM-SHIELDED SM	ESEMET PARASCONIC PARASCONIC VISUADO V	TearDISTAMOLOAT EEVFELWATIQ DCC.389121 DCC.3		
441 45 46 47 48 49 50 51 51 52 53 54 55 55 56 61 61 62 63 64 65 66	1	(159 MR.) ARLES (7816,7817,7818,7819 MR.) ARLES (7816,7818,7818,7818,7818,7818,7818,7818,	2210-0007 3102-0005 3102-0007 3103-0003 3210-0029 3210-0031 3210-0031 3210-0031 3210-0031 3210-0031 4110-0015 4113-0002 4120-0026 4120-0026 4120-0026 4120-0036 4140-0007 4141-0008	4704F 0.58 EAD 2 A BEAD 2 A BEAD 2 A BEAD 4 A BEAD 1004H 4.754F 1106H 1106H 1106H 1106H 1107H 11	CAP, TRANTALIM, 73-81, 150-Jr. 20%, 10W, 0.700 ESR CAP, ALUMININIA ETCHOUTTIC, 470-JG, 30%, 30V FERRIT BEAD, 6003, 0.54, 120 OHM FERRIT BEAD, 6003, 0.54, 120 OHM FERRIT BEAD, 6003, 2.7, 120 OHM FERRIT BEAD, 6005, 2.7, 120 OHM FERRIT BEAD, 6005, 2.7, 120 OHM FERRIT BEAD, 6005, 2.7, 120 OHM ROULTON, 10H, 4.03, 5M, 80H ROULTON, 10H, 4.03 ROULTON, 10H ROULTON, 10	7343 SM 603 603 805 SM-SHEIDED SM-SUC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SOIC24-SM-SM-SOIC24-SM-S	SEMET PANASONIC PANASONIC PANASONIC VISUADO VI	TREDISTANDIONT EVERTORIST TO MODIFIE TREDISTANDIONT TREDISTANDION TREDI		
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441 453 4646 4748 489 50 50 51 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71	1 7 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	C159 REJ, RAF, RAF, SPIG, PRID, PRID	2210-0007 3102-0005 3102-0007 3102-0007 33109-0007 3210-0003 3210-0003 3210-0003 3210-0003 3210-0003 3210-0003 4110-0015 4110-0015 4110-0005 4110-	4704 4704 4704 4704 4704 4704 4704 4704	CAP, TANTALLIM, 73-81, 350-J. 20%, 10V, 0.700 ESR CAP, ALUMINIUM, ETCHOUTTIC, 470-GW, 35V FERRIT BLAD, 0003, 0.54, 120 OHM FERRIT BLAD, 0003, 0.54, 120 OHM FERRIT BLAD, 0005, 0.74, 120 OHM MUNICTOR, IJM-1, 20, 20, 20, 20, 20 MUNICTOR, IJM-1, 20, 54, 54, 56, 805 MUNICTOR, IJM-1, 20, 54, 54, 56, 805 MUNICTOR, IJM-1, 20, 54, 54, 56, 805 MUNICTOR, IJM-1, 20, 54, 54, 56 MUNICTOR, IJM-1, 20, 54, 54, 56 MUNICTOR, IJM-1, 20, 54, 54, 56 MUNICTOR, IJM-1, 20, 54, 54, 54, 56 MUNICTOR, IJM-1, 20, 54, 54, 54, 54 MUNICTOR, IJM-1, 20, 54, 54 MUNICTOR, IJM-1, 20, 54 MUNICTOR, IJM-1, 20 MUN	7343 SM 603 603 805 SM-SHIELDED SM-SUZ3-S-SUZ3-SUZ3-SUZ3-SUZ3-SUZ3-SUZ3-SU	ESEMET PARASCONIC PARA	TREDISTRIMINAT TREDIS		
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444 455 466 477 478 489 499 590 510 512 525 53 545 55 55 56 67 68 69 69 69 69 70 71 71 72 73 74 75 75 76	1	C159 RES, RES, RES, FESS, FESS	2210-0007 3102-0005 3102-0005 3102-0007 3103-0007 3103-0007 3103-0003 3210-0013 3210-0	4704 4704 4704 4704 4704 4704 4704 4704	CAP, TAMTALLIM, 73-81, 350-J. 20%, 10V, 0.700 ESR CAP, ALUMINIUM, ETERLOPUTCH, 470-D, 20%, 35V FERRIT BLAD, 0003, 0.54, 120 OHM FERRIT BLAD, 0003, 0.54, 120 OHM FERRIT BLAD, 0005, 2.4, 120 OHM FERRIT BLAD, 0005, 2.4, 120 OHM MUCHOS, ILAH, 2.4, 120 OHM MUCHOS, ILAH, 2.4, 120 OHM MUCHOS, ILAH, 2.5, 45 Ms. 605 MUCHOS, ILOH, 4.5, 45 Ms. 605 MUCHOS, ILOH, 4.5, 45 Ms. 605 MUCHOS, ILOH, 4.0, 45 Ms. 705 MUCHOS, 1005 MUC	7343 5M 603 603 603 603 805 805 805 805 805 805 805 805 805 805	SEMET PANASONIC PANASONIC PANASONIC VISHAY V	TREDISTANGIONT EVERYFEUVERIC DCC. 389121 D		
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445 466 47 47 48 48 48 48 49 49 49 51 51 52 52 53 54 54 65 66 67 67 68 68 69 69 69 69 69 69 77 78 78 77 78 78 79 78 78 78 78 78 78 78 78 78 78 78 78 78	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C159 REJ.REJ.REJ.REJ.REJ.REJ.REJ.REJ.REJ.REJ.	2210-0007 3102-0005 3102-0005 3102-0005 3102-0007 3102-0007 3102-0003	4704 4704 4704 4704 4704 4704 4704 4704	CAP, TRANTALIUM, 73-81, 350-Jr. 20%, 109V, 0.700 ESR CAP, ALUMINIUM ETEROTUPIC, 470-G9, 389, 399 FERRIT BEAD, 0005, 0.55, 1.20 OHM FERRIT BEAD, 0005, 0.55, 1.20 OHM FERRIT BEAD, 0005, 0.54, 1.20 OHM FERRIT BEAD, 0005, 0.70, 100 OHM FERRIT BEAD, 0005, 1.00, 1.00 OHM FERRIT BEAD, 0005, 1.00 OHM FERRIT BEAD, 1.00 OHM FERRIT BEAD, 1.00 OHM FERRIT BEAD, 1.00 OHM FERRIT BEAD, 1.0	7343 5M 603 603 603 605 805 805 805 805 805 805 805 805 805 8	ESEMET PARASCONIC PARA	TREDISTANGIONT EEV-FELVAPIQ EXCHANGE EX		
44 45 46 46 47 48 49 50 50 50 50 50 50 50 50 50 50	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C159 RES, RES, RES, FESS, FESS	2210-0007 3102-0007	4704 4704 4704 4704 4704 4704 4704 4704	CAP, TAMTALLIM, 73-81, 350-J. 20%, 10V, 0.700 ESR CAP, ALUMINIUM ETERLOPUTCH, 470-DE, 30%, 35V FERRIT BLAD, 0003, 0.54, 120 OHM FERRIT BLAD, 0003, 0.54, 120 OHM FERRIT BLAD, 0005, 2.7, 120 OHM MUCICTO, LINH, 140, 54M, 670-S MUCICTO, LINH, 140, 54M, 670-S MUCICTO, 10H, 40, 54M, 670-S MUCICTO, 10H, 40M,	7343 5M 603 603 603 603 605 805 805 805 805 805 805 805 805 805 8	ESEMET PARASCONIC PARASCONIC PARASCONIC PARASCONIC VISHAY	TREDISTANGIONE TREDIS		
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44 5 45 46 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C159 RES,REA,RES,RES,RES,RES,RES,RES,RES,RES,RES,RES	2210-0007 3102-0007	4704 4704 4704 4704 4704 4704 4704 4704	CAP, TRANTALIUM, 73-81, 150-07, 20%, 10W, 0.700 ESR CAP, ALUMINIMA ETCHOUTTIC, 670-07, 20%, 39V FERRIT BEAD, 0005, 0.5-4, 120 OHM FERRIT BEAD, 0005, 0.5-4, 120 OHM FERRIT BEAD, 0005, 0.5-4, 120 OHM FERRIT BEAD, 0005, 0.7-10 OHM FERRIT BEAD, 0005, 1.0-10 OHM FERRIT BEAD, 0005,	7343 5M 603 603 603 605 805 805 805 805 805 805 805 805 805 8	ESEMET PARASCONIC PARASCONIC PARASCONIC PARASCONIC PARASCONIC PARASCONIC VISUALY VISUA	TREDIDENTALISM TREDID		
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44 45 46 46 47 48 49 50 50 50 50 50 50 50 50 50 50	1	C159 RES, RES, RES, FESS, FESS	2210-0007 3102-0	4704 4704 4704 4704 4704 4704 4704 4704	CAP, TAMTALLIM, 73-81, 350-J. 20%, 10V, 0.700 ESR CAP, ALUMINIUM ETEROTUPIC, 470-S08, 39V FERRIT BEAD, 0005, 0.54, 120 OHM FERRIT BEAD, 0005, 0.54, 120 OHM FERRIT BEAD, 0005, 0.74, 120 OHM FERRIT BEAD, 0005, 0.74, 120 OHM SERRIT BEAD, 0005, 1.00, 120 OHM SERRIT BEAD, 0005, 1.00, 120 OHM SERRIT BEAD, 0005, 1.00, 120 OHM SERVICE SERVI	7343 5M 603 603 603 603 605 605 605 606 5M-SHIELDED 5M	ESMET PANASONIC PANASONIC PANASONIC PANASONIC PANASONIC VISIAN VI	TREDISTANGIONE TEMPLITANGIONE TEMPLI		
44	1	C159 RES, RAG, PAS, PS10, PS10, PS10 PS15 PS15 PS15 RES, RAG, PS, PS10, PS10, PS11, PS12, PS13, PS11, PS12, PS13, PS10,	2210-0007 3102-0005 3102-0005 3102-0005 3102-0005 3102-0005 3102-0001	4704 4704 4704 4704 4704 4704 4704 4704	CAP, TRANTALIUM, 7343, 1506, 7508, 1014, 0.700 ESR CAP, ALUMININE RETEROUTICE, 6702, 593, 399 FERRIT BLAD, 6003, 0.53, 120 GHM FERRIT BLAD, 6003, 2.610, 180 GHM NOUCTOR, 1014, 163, 241, 102 GHM NOUCTOR, 1014, 102 GHM NOUCTOR	7343 5M 603 603 603 603 805 805 805 805 805 805 805 805 805 805	ESEMET PARASCONIC PARA	TREDISTANDIONY TERRETARY TREDISTANDIONY TERRETARY TREDISTANDIONY TERRETARY TREDISTANDIONY TREDIS		
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445 45 46 46 47 48 48 48 49 49 49 49 49 49 49 49 49 49 49 49 49	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C159 RES,RAF,RAF,RS,R16,F812,F813 F815 F815 F815 F816 F817,RAF,RAF,RAF,RAF,RAF,RAF,RAF,RAF,RAF,RAF	2210-0007 3102-0	4704 4704 4704 4704 4704 4704 4704 4704	CAP, TRANTALLIM, 73-81, 150-JP, 20%, 109V, 07:00 ESR CAP, ALUMINIMA ETCHOUTTIC, 670-QSN, 39V FERRIT BEAD, 0005, 0.54, 120 OHM FERRIT BEAD, 0005, 1.00 APP F	7343 5M 603 603 603 605 605 805 805 805 805 805 805 805 805 805 8	EEMIT PANASONIC PANASONIC PANASONIC PANASONIC PANASONIC VISUAL VI	TREDIDENTALISM TREDID		
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1 R15			RES, 0603, 1%, 1/10W, 10.0K, THICK FILM	603	PANASONIC	ERJ-3EKF1002	ROHM	MCR03FX1002
	146 1122-0					ERJ*3ERF1002	KOHIVI	WICKU3FX1002
1 016		15.0K	RES, 0603, 1%, 1/10W, 15.0K, THICK FILM	603	PANASONIC	ERJ-3EKF1502		ĺ
	165 1122-0	4 1.50K	RES, 0603, 1%, 1/10W, 1.50K, THICK FILM	603	PANASONIC	ERJ-3EKF1501		ĺ
5 R10,	10,R13,R14,R129,R163 1133-0	1 0, JUMPER	RES, 0805, 5%, 1/8W, JUMPER, 0, THICK FILM	805	PANASONIC	ERJ6GEY0R00		ĺ
1 C29	19 2110-0	1000pF	CAP, CERAMIC, NPO, 0805, 1000pF, 5%, 50V	805	AVX	08055A102JAT-A		ĺ
1 D4	5101-0	2 1N4148HWS	DIODE, FAST SWITCHING, 75V, 0.3A	SOD-323	DIODES INC	1N4148WS-F		ĺ
1 D17	17 5102-0	5 MBR0540	DIODE, SCHOTTKY, 40V, 0.5A, 0.55VF	SOD123	MICRO COMMERCIAL	MBR0540P		
1 J24	4 6104-0	1 MICRO-SD CARD SOCKET	CONN, SM, SOCKET, MICRO-SD CARD, PUSH-IN/PUSH-OUT, HORZ	SM	AMPHENOL	101-00660-68-6		ĺ
5 FID1	D1,FID2,FID3,FID4,FID5 9997-0	1 FID 1.05mm	FIDUCIAL, SM, 1.05mm PAD, 1.8mm MASK	SM				ĺ
4 MT1	T1,MT2,MT5,MT6 9999-0	3 4.4mm/7.0mm	MOUNT HOLE, PLATED, 4.4mm HOLE / 7.0mm PAD	TH				ĺ
1 MT3	T3 9999-0	9 3.00mmX6.35mm	MOUNT HOLE, SLOT, NON-PLATED, 3.00mmX6.35mm	TH				ĺ
1 MT4	T4 9999-0	3.0MM/5.0MM	MOUNT HOLE, PLATED, 3.0mm HOLE / 5.0mm PAD	TH				ĺ