

StnBrd_BOM_25040_V1.2d_Oct07-08

ITEM	QTY	Part Number	Manufacturer Part #	Manufacturer	Description	References
1	2	Pro Soft Touch	Pro soft touch footprint	Agilent	Pro soft touch footprint	J21-J22
2	180	TESTPOINT-THRU	TESTPOINT-THRU		TESTPOINT THRU HOLE 40 THOU HOLE	TP1-TP180
3	1	25500-A-000011	DS90LV012ATMF	National Semi	Single LVDS receiver SOT-23	U35
4	1	25500-A-000012	SY02-HPLL-1PNL64-0UNA128-4-TC-CM	Raltron	Frequency synchronizer SY02-HPLL	U30
5	11	25500-A-000017	SK2111AXFT	Semtech	1 to 10 LVDS driver LQFP32	U16, U18, U21, U23, U25, U28, U34, U56, U59-U60, U62
6	4	25500-A-000018	BCW60D	Zetex	TRANSISTOR GENERAL PURPOSE NPN SOT23	U14, U17, U64, U66
7	21	25500-A-000019	1N4148W-7	DIODES	Surface mount switching diode SOD-123	D1-D15, D18, D27, D37-D40
8	10	25500-A-000020	LT6700CS6-1	Linear Technology	Dual comparator w/400mV reference SOT-23	U7, U19-U20, U36, U49-U50, U55, U68, U172-U173
9	13	25500-A-000028	CDCVF2310	Texas Instruments	1 to 10 CLK BUFFER, CDCVF2310	U8, U12, U22, U24, U26, U29, U33, U40, U46, U61, U63, U67, - U69 U5
10	1	25500-A-000033	H11A617ASD	Fairchild Semi	4-pin phototransistor optocoupler SMD	U5
11	13	25500-A-000034	591-3001-007	Dialight	3mm Prism CBI SMT LED, Super Red/Green	D16-D17, D19-D26, D28, D35-D36
12	2	25500-A-000036	DDZ5V1B-7	DIODES	SMT precision zener diode 5.1V SOD-123	D31-D32
13	2	25500-A-000040	BZT52C4V3-7	DIODES	SMT precision zener diode 4.3V SOD-123	D33-D34
14	2	25500-A-000041	HCPL-7510-300	Agilent	Isolated linear sensing IC, SMT	U76-U77
15	2	25500-A-000046	EP1SGX10C-F672-C5	Altera	Stratix Gx EP1SGX10C F672 Speed 5	U32, U53
16	1	25500-A-000050	EP1SGX25C-F672-C5	Altera	Stratix Gx EP1SGX25C F672 Speed 5	U44
17	41	25500-A-000052	XC4VSX35-10FF668-CS2	Xilinx	VIRTEX 4 SX35 668 pin FPGA, stepping 2	U27, U31, U42-U43, U70, UA1-UA9, UB1-UB9, UA10-UA18, - UB10-UB18 U54 U75
18	1	25500-A-000053	XC4VLX40-10FF1148-CS2	Xilinx	VIRTEX 4 LX40 1148 pin FPGA, stepping 2	U54
19	1	25500-A-000056	DC60P	OPTO 22	Solid State Relay, 60VDC, 3A	U75
20	4	25500-A-000090	TMP37FT9	Analog Devices	Precision centigrade temp sensor TO-92	U13, U73, U175-U176
21	4	25500-A-000091	TMP37FS	Analog Devices	Precision centigrade temp sensor SO-8	U2, U48, U79-U80
22	2	25500-A-000092	CB2V53C064M0000	CTS	64MHz SMT Crystal Oscillator 2V5	G1-G2
23	9	25500-A-000098	LP2996MR	National Semi	HSTL Termination Reg. LP2996MR, PSOP-8	U15, U37-U39, U41, U47, U51-U52, U58
24	2	25500-A-000100	FMMT493	Zetex	Transistor GP NPN SOT23	U6, U71
25	2	25500-A-000103	QPI-6L	Vicor	14 Amp Active EMI Filter	U1, U72
26	1	25500-A-000104	ADG732BSU	Analog Devices	32-to-1 analog multiplexer, TQFP-48	U78
27	1	25500-A-000119	SY89835UMGTR	Micrel	2.5V LVDS 1:2 Buffer MLF-8	U171
28	2	25500-A-000136	SMCJ60A	Littelfuse	Transient Suppressor Diode	D29-D30
29	1	25500-L-000025	Currently Unknown	Currently Unknown	Label: "SB-25040-V1.2"	LB1
30	2	25500-N-000004	87833-1420	Molex	2mm 14-pin 2 row rt. angle thru-hole con	J11-J12
31	3	25500-N-000016	933070	Erni	TypeF rt. angle fem. conn w/shield w/o peg	J8, J15, J20
32	3	25500-N-000017	104416	Erni	TypeE rt. angle fem. conn w/upshield w/o peg	J6, J10, J19
33	3	25500-N-000018	114403	Erni	Rt. angle male power mod w/3 contact level	J4, J9, J16
34	1	25500-N-000020	104114	Erni	11 X 7, FEMALE HM 2mm CONN	J7
35	3	25500-N-000022	114114	Erni	22 X 7, FEMALE HM 2mm VER CONN	J2-J3, J5
36	1	25500-N-000024	142-0701-301	Johnson Components	RF connector SMA, right angle thru-hole	J23
37	48	25500-N-000056	0342-0-15-15-42-27-10-0	Mill-Max	Power Socket 50A	U81-U86, U81_164, U81_166, U81_168-U81_171, U82_164, - U82_166, U82_168-U82_171, U83_164, U83_166, U83_168-U83_174, - U84_164, U84_166, U84_168-U84_174, U85_164, U85_166, - U85_168-U85_171, U86_164, U86_166, U86_168-U86_171 U87-U92, U87_164, U87_166, U87_168-U87_174, U88_164, - U88_166, U88_168-U88_174, U89_164, U89_166, U89_168-U89_174, - U90_164, U90_166, U90_168-U90_174, U91_164, U91_166, - U91_168-U91_174, U92_164, U92_166, U92_168-U92_174 J1 JP1, JP4-JP7, JP12 J13-J14, J17-J18 R655, R858, R1409, R1475-R1476 R1380-R1383 R3, R174, R319, R322, R324, R327, R329, R332, R334, R337, - R339, R342, R380, R383-R384, R387, R389, R392, R394, - R397, R399, R402, R447, R449, R451, R454, R456, R459, - R461, R464, R467, R470, R512-R513, R565, R568, R570, - R573, R588, R592, R594, R596, R698, R769, R791-R792, - R902, R904-R905, R908, R910, R913, R916, R919, R940, - R1042, R1045, R1048, R1050, R1052, R1055, R1058, R1062, - R1067, R1070, R1083, R1085, R1117, R1120, R1122, R1125, - R1127, R1130, R1132, R1135, R1137, R1140, R1179, R1181, - R1185, R1189-R1190, R1193, R1198, R1201, R1205, R1209, - R1355-R1356, R1407-R1408, R1445-R1446, R1452 R1374-R1379 R19, R21-R24, R28-R31, R36-R48, R78-R97, R101-R102, - R104, R106-R109, R111-R117, R121, R158-R165, R167, - R173, R175-R177, R179-R181, R183-R184, R239-R248, - R250-R254, R257-R260, R263-R264, R266, R272-R275, - R277-R283, R286-R287, R290-R291, R295-R301, R344-R345, - R352-R356, R358, R361, R363-R364, R366, R368-R369, - R371, R373-R374, R376, R378-R379, R410-R413, R415, - R417, R419-R421, R424-R425, R427, R429-R430, R432, -
38	60	25500-N-000057	0343-0-15-15-34-27-10-0	Mill-Max	Power Socket 8A	
39	1	25500-N-000058	YTE-132-02-L-Q-500-001	Samtec	2mm Hi-Dens sock 4Rowx32; 0.5"	J1
40	6	25500-N-000067	TSW-101-25-G-D	Samtec	.100" TSW 2-pin terminal, long pin	JP1, JP4-JP7, JP12
41	4	25500-N-000072	536255-5	Amp/Tyco	Recpt, Assy, Vert, 4. 57[. 180]TAL, Microstrp	J13-J14, J17-J18
42	5	25500-P-000000	ERJ2GEOR00X	Panasonic	RESISTOR SMD 0402 0R0	R655, R858, R1409, R1475-R1476
43	4	25500-P-000001	ERJ2RKF1501X	Panasonic	RESISTOR SMD 0402 1k5-1%	R1380-R1383
44	94	25500-P-000003	ERJ2RKF4301X	Panasonic	RESISTOR SMD 0402 4k3-1%	R3, R174, R319, R322, R324, R327, R329, R332, R334, R337, - R339, R342, R380, R383-R384, R387, R389, R392, R394, - R397, R399, R402, R447, R449, R451, R454, R456, R459, - R461, R464, R467, R470, R512-R513, R565, R568, R570, - R573, R588, R592, R594, R596, R698, R769, R791-R792, - R902, R904-R905, R908, R910, R913, R916, R919, R940, - R1042, R1045, R1048, R1050, R1052, R1055, R1058, R1062, - R1067, R1070, R1083, R1085, R1117, R1120, R1122, R1125, - R1127, R1130, R1132, R1135, R1137, R1140, R1179, R1181, - R1185, R1189-R1190, R1193, R1198, R1201, R1205, R1209, - R1355-R1356, R1407-R1408, R1445-R1446, R1452 R1374-R1379 R19, R21-R24, R28-R31, R36-R48, R78-R97, R101-R102, - R104, R106-R109, R111-R117, R121, R158-R165, R167, - R173, R175-R177, R179-R181, R183-R184, R239-R248, - R250-R254, R257-R260, R263-R264, R266, R272-R275, - R277-R283, R286-R287, R290-R291, R295-R301, R344-R345, - R352-R356, R358, R361, R363-R364, R366, R368-R369, - R371, R373-R374, R376, R378-R379, R410-R413, R415, - R417, R419-R421, R424-R425, R427, R429-R430, R432, -
45	6	25500-P-000004	ERJ2RKF1002X	Panasonic	RESISTOR SMD 0402 10k-1%	R1374-R1379
46	513	25500-P-000005	RCO402FR-0722R	Yageo	RESISTOR SMD 0402 22R-1%	R19, R21-R24, R28-R31, R36-R48, R78-R97, R101-R102, - R104, R106-R109, R111-R117, R121, R158-R165, R167, - R173, R175-R177, R179-R181, R183-R184, R239-R248, - R250-R254, R257-R260, R263-R264, R266, R272-R275, - R277-R283, R286-R287, R290-R291, R295-R301, R344-R345, - R352-R356, R358, R361, R363-R364, R366, R368-R369, - R371, R373-R374, R376, R378-R379, R410-R413, R415, - R417, R419-R421, R424-R425, R427, R429-R430, R432, -

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47	7	25500-P-000006	RC0402FR-0733R	Yageo	Resistor SMD 0402 33R-1%	R434-R435, R437, R439-R440, R477-R485, R487-R495, -
48	1	25500-P-000007	ERJ2RKF1003X	Panasoni c	RESISTOR SMD 0402 100k-1%	R498-R499, R502-R505, R507-R508, R510, R516-R517, -
49	28	25500-P-000009	ERJ2RKF1000X	Panasoni c	RESISTOR SMD 0402 100R-1%	R519-R520, R522, R524-R525, R527, R529-R531, R548, -
50	1060	25500-P-000013	ECJ0EB1A104K	Panasoni c	CAPACITOR SMD 0402 100nF-10V-10%	R559-R562, R575-R577, R583-R585, R587, R604-R609, -

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						C1833, C1836, C1838, C1843-C1847, C1853-C1859, C1862-C1864, - C1868-C1870, C1880-C1884, C1889-C1892, C1897-C1900, - C1906-C1911, C1915-C1919, C1921, C1923, C1925, C1927-C1930, - C1932-C1944, C1947-C1948, C1950, C1952-C1955, C1959, - C1961, C1964, C1969, C1971-C1982, C1984-C1987, C1990-C1996, - C2013-C2014, C2018-C2020, C2022, C2028, C2031, C2037, - C2042, C2045, C2047, C2049, C2052-C2054, C2059-C2060, - C2069, C2074-C2078, C2091, C2094, C2101-C2102, C2104, - C2106, C2109, C2113, C2118, C2123, C2126-C2127, C2131, - C2136-C2137, C2141-C2142, C2182, C2185-C2186, C2188, - C2191, C2196, C2198, C2200, C2202, C2204, C2220-C2227, - C2229, C2258-C2259, C2261-C2263, C2265, C2271-C2273, - C2277, C2280, C2282-C2283, C2287, C2295, C2300, C2302-C2303, - C2305, C2310, C2312-C2313, C2315, C2317, C2321, C2323, - C2332, C2341, C2349, C2357, C2360, C2363-C2366, C2373, - C2384-C2385, C2391, C2393, C2395, C2400, C2402, C2404, - C2406, C2409, C2412, C2418, C2421, C2423, C2425, C2427-C2428, - C2431, C2437, C2439, C2445-C2448, C2451, C2470, C2477-C2479, - C2481, C2483-C2484, C2486, C2489, C2505-C2506, C2509-C2510, - C2513, C2515, C2517, C2523, C2525-C2526, C2530-C2531, - C2533, C2536, C2542, C2544, C2595, C2597, C2600, C2603-C2604, - C2606, C2609-C2610, C2612, C2614, C2616, C2618, C2635-C2638, - C2640-C2645, C2671-C2672, C2674, C2677, C2679-C2680, - C2683, C2688, C2690-C2691, C2693, C2698, C2700-C2701, - C2703, C2708, C2710-C2712, C2714, C2719, C2721-C2722, - C2724, C2743-C2744, C2753, C2769, C2771-C2772, C2774, - C2776, C2781, C2783, C2789, C2794, C2800, C2802, C2807, - C2815, C2820, C2822, C2828, C2831-C2833, C2861-C2864, - C2866-C2871, C2873, C2875-C2876, C2879, C2883, C2885, - C2887-C2888, C2890, C2893, C2895-C2896, C2898, C2902, - C2904-C2905, C2910, C2954, C2956, C2960, C2963, C2966-C2967, - C2969-C2970, C2972, C2974, C2976, C2978, C2995-C3004, - C3031, C3034, C3036-C3037, C3041, C3046, C3049, C3051-C3052, - C3054, C3056, C3059-C3061, C3064, C3066-C3067, C3071, - C3076, C3078, C3081, C3087, C3089-C3090, C3092, C3094, - C3120, C3129, C3136, C3142, C3144, C3147-C3148, C3151, - C3153, C3157, C3162, C3165, C3167, C3175-C3176, C3181, - C3184, C3192, C3203, C3205, C3207, C3214, C3226, C3229, - C3231, C3234, C3236, C3239, C3241-C3243, C3247-C3252, - C3258, C3260-C3261, C3265, C3277-C3279, C3294, C3306, - C3308, C3310-C3312, C3314-C3315, C3317, C3323, C3325, - C3327, C3336, C3344-C3345, C3347, C3364, C3372-C3373, - C3379, C3381, C3383, C3386, C3392, C3396, C3400, C3404, - C3407-C3408, C3411, C3418-C3419, C3421-C3422, C3425, - C3453-C3457, C3496-C3498, C3500-C3501, C3593-C3595, - C3599-C3600 R119, R128-R129, R132-R133, R136, R140 C18, C449 R4, R11, R49, R185, R302-R303, R323, R328, R333, R338, - R343, R388, R393, R398, R403-R404, R455, R460, R465, - R471, R474, R514, R532-R547, R569, R574, R593, R599, - R611, R636, R758, R770, R781, R785, R787, R909, R914, - R920, R922, R932, R937, R981, R1059, R1064-R1065, R1069, - R1072, R1121, R1126, R1131, R1136, R1141, R1187, R1194, - R1202, R1206, R1210, R1341, R1345, R1348, R1351, R1353, - R1405-R1406, R1483-R1484 R120, R127, R130-R131, R134-R135, R139, R320-R321, - R325-R326, R330-R331, R335-R336, R340-R341, R351, - R357, R359-R360, R362, R365, R367, R370, R372, R375, - R377, R381-R382, R385-R386, R390-R391, R395-R396, - R400-R401, R414, R416, R418, R422-R423, R426, R428, - R431, R433, R436, R438, R448, R450, R452-R453, R457-R458, - R462-R463, R466, R469, R486, R496-R497, R501, R506, - R509, R511, R515, R518, R521, R523, R526, R528, R557, - R566-R567, R571-R572, R586, R589, R591, R595, R597, - R710, R712, R716, R718, R731, R733, R738, R768, R773, - R795, R811-R812, R840, R845, R855, R903, R906-R907, - R911-R912, R917-R918, R921, R973, R980, R986, R989-R990, - R1002, R1004, R1006, R1008, R1020, R1022, R1043-R1044, - R1046-R1047, R1049, R1051, R1053-R1054, R1056-R1057, - R1084, R1086, R1092, R1094, R1097, R1099, R1102, R1104, - R1107, R1109, R1112, R1114, R1118-R1119, R1123-R1124, -
51	7	25500-P-000017	RC0402FR-072K7	Yageo	RESI STOR SMD 0402 2k7-1%	
52	2	25500-P-000022	TAJA106K016R	AVX	TANTALUM CAPACITOR SMD 3216 10uF-16V-10%	
53	80	25500-P-000024	ERJ2GEJ102X	Panasonic	RESI STOR SMD 0402 1k-5%	
54	178	25500-P-000025	RC0402FR-0751R	Yageo	RESI STOR SMD 0402 51R-1%	

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842

25500-P-000026
25500-P-000030

RC0603FR-0730R
ECJOEB1E222K

Yageo
Panasonic

RESISTOR SMD 0603 30R-1%
CAP-0402-X7R-2n2-25V-10%

R1128-R1129, R1133-R1134, R1138-R1139, R1151, R1153, -
R1157, R1159, R1161, R1163, R1166, R1168, R1171, R1173, -
R1177-R1178, R1180, R1182, R1186, R1188, R1191-R1192, -
R1199-R1200, R1233, R1235-R1236, R1238, R1241, R1243, -
R1246, R1248, R1251, R1253
R105, R1410
C96, C101, C119, C126, C138, C148, C156, C174, C363, -
C373, C387, C399, C457-C462, C497, C502, C507, C509, -
C514, C519, C521, C525-C527, C530, C532-C533, C539, -
C544, C546, C551, C556-C557, C566, C569, C571, C574, -
C576, C591, C595, C598, C601, C603, C614, C616, C619, -
C622, C624, C626-C646, C648-C663, C665, C668, C670-C671, -
C674, C676, C688-C689, C691, C694, C696, C706-C707, -
C710, C713, C715, C727, C733, C738, C740, C746, C751-C752, -
C758, C764-C765, C771, C777-C778, C784, C789, C836, -
C841, C846, C848, C853-C855, C860, C862, C869, C874-C875, -
C880, C885-C886, C891, C896, C907, C910, C912, C915, -
C917, C928, C932, C935, C939-C940, C943, C949-C950, -
C953, C955-C956, C958, C961, C963, C965-C1003, C1005, -
C1008, C1011, C1014, C1016, C1028, C1032, C1035, C1038, -
C1040, C1052, C1055, C1058, C1061, C1063, C1080, C1085, -
C1088, C1094, C1099-C1100, C1106, C1111, C1122-C1123, -
C1129, C1134, C1178, C1184, C1189-C1190, C1195, C1200-C1201, -
C1206, C1211-C1212, C1217, C1222, C1234, C1237, C1240, -
C1243, C1245, C1260, C1263, C1267, C1269, C1271, C1273, -
C1282, C1284, C1286, C1288, C1290, C1292-C1330, C1332, -
C1336, C1339, C1341, C1350, C1352, C1355, C1358, C1360, -
C1370-C1371, C1374, C1377, C1379, C1397-C1398, C1400, -
C1405-C1406, C1415, C1417, C1425, C1430, C1456, C1491, -
C1521, C1525, C1528, C1530, C1537, C1540, C1546-C1547, -
C1550-C1552, C1555, C1562, C1564, C1566, C1577-C1579, -
C1581-C1607, C1610, C1614, C1616, C1619, C1622, C1624, -
C1640, C1642, C1645, C1648, C1651, C1665, C1667, C1670, -
C1673, C1697, C1700-C1701, C1708, C1714, C1716, C1722, -
C1726, C1729, C1741-C1744, C1755-C1758, C1763-C1764, -
C1770, C1777-C1778, C1785, C1805, C1830, C1832, C1837, -
C1842, C1848, C1860-C1861, C1876, C1878, C1885, C1893, -
C1901, C1905, C1920, C1946, C1965-C1967, C1970, C2015-C2017, -
C2021, C2023, C2025, C2029, C2035, C2039-C2040, C2046, -
C2051, C2058, C2061-C2063, C2067, C2071, C2089-C2090, -
C2092-C2093, C2097-C2100, C2107-C2108, C2124-C2125, -
C2128, C2130, C2132, C2138-C2140, C2143-C2149, C2151-C2174, -
C2179, C2181, C2184, C2187, C2190, C2192, C2205-C2206, -
C2209, C2212, C2215, C2218, C2231-C2232, C2235, C2238, -
C2241, C2243-C2246, C2253, C2267, C2269, C2278, C2288, -
C2290, C2297-C2298, C2307-C2308, C2314, C2319, C2324-C2327, -
C2329-C2331, C2339, C2353-C2355, C2387, C2394, C2398, -
C2403, C2408, C2415, C2419, C2424, C2434-C2436, C2450, -
C2452-C2454, C2458, C2463-C2464, C2467, C2471, C2474, -
C2488, C2491, C2497, C2503-C2504, C2508, C2511, C2514, -
C2532, C2535, C2538, C2540-C2541, C2543, C2545-C2584, -
C2596, C2599, C2602, C2605, C2608, C2621, C2624, C2627, -
C2630, C2633, C2647, C2650, C2653, C2656, C2659, C2664-C2665, -
C2669, C2673, C2675, C2685, C2696, C2705-C2706, C2716-C2717, -
C2726, C2755-C2756, C2773, C2779, C2784-C2786, C2791, -
C2797-C2799, C2810-C2812, C2823-C2825, C2834, C2838, -
C2840, C2845, C2849, C2852, C2856, C2859, C2874, C2878, -
C2881, C2886, C2891-C2892, C2897, C2900-C2901, C2903, -
C2906, C2909, C2911, C2913-C2928, C2930-C2953, C2955, -
C2959, C2962, C2965, C2968, C2981, C2984, C2987, C2990, -
C2993, C3006, C3009, C3012, C3015, C3018, C3020, C3025, -
C3027, C3029, C3032, C3038, C3043-C3044, C3047, C3053, -
C3058, C3062, C3065, C3068, C3073-C3074, C3083-C3085, -
C3091, C3096, C3132, C3139-C3141, C3154-C3155, C3159, -
C3164, C3169-C3170, C3172-C3173, C3177-C3179, C3186-C3189, -
C3198, C3201, C3206, C3208, C3210-C3211, C3215-C3216, -
C3220, C3223, C3228, C3230, C3233, C3235, C3238, C3244, -
C3256, C3264, C3268-C3274, C3276, C3281, C3285-C3286, -
C3289-C3290, C3298, C3302, C3307, C3318, C3321, C3324, -
C3326, C3328, C3330, C3332-C3333, C3339, C3341-C3343, -
C3346, C3348, C3350-C3351, C3353-C3354, C3356-C3358, -
C3360-C3361, C3363, C3365, C3371, C3375-C3378, C3382, -

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57	908	25500-P-000031	ECJ0EB1C223K	Panasonic	CAP-0402-X7R-22nF-16V-10%	<p>C3384, C3388-C3389, C3391, C3397, C3402-C3403, C3406, - C3410, C3414-C3417, C3427 C93, C99, C115, C122, C140, C147, C155, C171, C355, C370, - C379, C397, C477-C479, C487-C488, C493, C498, C500, - C503-C504, C506, C510, C512, C515-C516, C518, C522, - C529, C531, C534, C536-C538, C541, C543, C547, C549, - C552-C553, C555, C558-C565, C567-C568, C570, C572-C573, - C575, C578-C579, C583, C587, C589-C590, C592-C593, - C600, C604, C613, C617, C620, C625, C673, C679, C681-C683, - C685-C687, C690, C692-C693, C695, C697, C705, C708-C709, - C711-C712, C714, C716-C723, C728, C730, C737, C741, - C743, C748, C750, C753, C755, C761, C763, C766, C768, - C773-C774, C776, C779, C781, C785-C786, C788, C807-C809, - C811, C815-C817, C819, C821-C826, C837, C839-C840, - C843, C845, C849, C851, C857, C859, C863, C865-C866, - C871, C873, C876, C878, C881-C882, C884, C887, C889-C890, - C893, C895, C900-C905, C908-C909, C911, C913-C914, - C916, C918, C926-C927, C929, C934, C936, C941, C948, - C952, C954, C962, C1004, C1019-C1021, C1023-C1027, - C1029, C1031, C1033-C1034, C1036-C1037, C1039, C1041, - C1051, C1053-C1054, C1056-C1057, C1059-C1060, C1062, - C1064-C1073, C1081, C1083, C1087, C1089, C1091, C1096, - C1098, C1101, C1103, C1107-C1108, C1110, C1113, C1119, - C1121, C1124, C1126, C1131, C1133, C1146-C1151, C1154-C1160, - C1163-C1168, C1172, C1179, C1181, C1185-C1186, C1188, - C1191, C1193, C1196-C1197, C1199, C1202, C1204, C1208, - C1210, C1213, C1215, C1219, C1221, C1226-C1233, C1235-C1236, - C1238-C1239, C1241-C1242, C1244, C1250, C1255, C1258-C1259, - C1264, C1266, C1272, C1274, C1281, C1287, C1289, C1343-C1344, - C1346, C1348-C1349, C1351, C1353-C1354, C1356-C1357, - C1359, C1361, C1372-C1373, C1375-C1376, C1378, C1380, - C1382-C1387, C1399, C1402-C1403, C1407, C1409, C1412-C1413, - C1416, C1418, C1422-C1423, C1432, C1434, C1457-C1458, - C1466-C1469, C1473-C1474, C1480, C1484, C1494, C1504, - C1507-C1510, C1515-C1516, C1522, C1524, C1526-C1527, - C1529, C1536, C1538, C1544, C1548, C1557, C1567-C1568, - C1608-C1609, C1621, C1628, C1631, C1633-C1634, C1643-C1644, - C1646-C1647, C1649-C1650, C1668-C1669, C1671-C1672, - C1674-C1675, C1679-C1683, C1686, C1693, C1696, C1702, - C1705, C1711-C1712, C1717, C1719, C1723, C1725, C1730-C1732, - C1745, C1762, C1771, C1775-C1776, C1782-C1783, C1799, - C1809, C1817-C1818, C1824, C1849, C1865-C1867, C1874-C1875, - C1877, C1879, C1886, C1888, C1922, C1926, C1945, C1949, - C1951, C1957-C1958, C1960, C1962-C1963, C1998-C2000, - C2002, C2004-C2006, C2009-C2012, C2024, C2030, C2032-C2033, - C2036, C2038, C2041, C2043-C2044, C2048, C2050, C2055-C2057, - C2064, C2066, C2068, C2070, C2072-C2073, C2079-C2081, - C2083, C2086, C2095-C2096, C2103, C2105, C2110, C2112, - C2114, C2117, C2119-C2120, C2129, C2133, C2135, C2175, - C2177-C2178, C2180, C2183, C2189, C2193-C2195, C2197, - C2199, C2201, C2203, C2207-C2208, C2210-C2211, C2213-C2214, - C2216, C2219, C2230, C2233-C2234, C2236-C2237, C2239-C2240, - C2242, C2247-C2252, C2254, C2270, C2274-C2276, C2279, - C2281, C2285-C2286, C2289, C2291, C2294, C2296, C2299, - C2301, C2304, C2306, C2309, C2311, C2316, C2318, C2328, - C2335, C2351-C2352, C2356, C2359, C2362, C2374-C2377, - C2383, C2386, C2389-C2390, C2392, C2396, C2399, C2401, - C2405, C2407, C2410-C2411, C2413-C2414, C2416-C2417, - C2420, C2422, C2426, C2429-C2430, C2432-C2433, C2438, - C2440-C2444, C2449, C2455-C2457, C2459, C2462, C2465-C2466, - C2468-C2469, C2472-C2473, C2475, C2480, C2482, C2485, - C2490, C2494, C2499, C2502, C2507, C2512, C2518-C2522, - C2524, C2534, C2537, C2539, C2585-C2594, C2598, C2601, - C2607, C2611, C2613, C2615, C2617, C2619-C2620, C2622-C2623, - C2625-C2626, C2628-C2629, C2631-C2632, C2634, C2646, - C2648-C2649, C2651-C2652, C2654-C2655, C2657-C2658, - C2660-C2663, C2666-C2668, C2670, C2676, C2678, C2682, - C2684, C2686-C2687, C2689, C2692, C2694-C2695, C2697, - C2699, C2702, C2704, C2707, C2709, C2713, C2715, C2718, - C2720, C2723, C2725, C2747-C2750, C2759-C2762, C2767-C2768, - C2770, C2775, C2777-C2778, C2780, C2782, C2787-C2788, - C2790, C2792-C2793, C2795-C2796, C2801, C2803-C2806, -</p>
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58	90	25500-P-000033	ECJ2VB1C224K	Panasonic	CAP-0805-X7R-220nF-16V-10%	C2808-C2809, C2813-C2814, C2816-C2819, C2821, C2826-C2827, - C2829-C2830, C2835-C2837, C2839, C2841-C2844, C2846, - C2848, C2850-C2851, C2853, C2855, C2857-C2858, C2860, - C2872, C2877, C2880, C2882, C2884, C2889, C2894, C2899, - C2907, C2912, C2958, C2961, C2964, C2971, C2973, C2975, - C2977, C2979-C2980, C2982-C2983, C2985-C2986, C2988-C2989, - C2991-C2992, C2994, C3005, C3007-C3008, C3010-C3011, - C3013-C3014, C3016-C3017, C3019, C3021, C3023-C3024, - C3026, C3028, C3030, C3033, C3035, C3039-C3040, C3042, - C3045, C3048, C3050, C3055, C3057, C3063, C3069-C3070, - C3072, C3075, C3080, C3082, C3086, C3088, C3093, C3095, - C3121-C3124, C3134-C3135, C3137, C3143, C3145-C3146, - C3149-C3150, C3152, C3156, C3158, C3160-C3161, C3163, - C3166, C3168, C3171, C3174, C3180, C3182-C3183, C3191, - C3194-C3197, C3199-C3200, C3202, C3204, C3209, C3212, - C3219, C3221-C3222, C3225, C3232, C3237, C3240, C3246, - C3253, C3255, C3257, C3259, C3262-C3263, C3266, C3275, - C3280, C3282, C3284, C3287-C3288, C3291-C3293, C3295-C3297, - C3299-C3301, C3303-C3305, C3313, C3316, C3319, C3322, - C3329, C3331, C3334-C3335, C3337, C3340, C3349, C3352, - C3355, C3359, C3362, C3366-C3370, C3374, C3380, C3385, - C3387, C3390, C3393-C3395, C3398-C3399, C3401, C3405, - C3409, C3412-C3413, C3420, C3424, C3426, C3431 C491, C1112, C1570, C1626, C1639, C1653, C1660, C1677-C1678, - C1690, C1715, C1727-C1728, C1733, C1772, C1774, C1779, - C1794, C1796-C1798, C1808, C1820-C1821, C1831, C1834-C1835, - C1839-C1840, C1850-C1852, C1871-C1872, C1887, C1894-C1896, - C1902-C1903, C1913, C1924, C1931, C1968, C1983, C2082, - C2084, C2087-C2088, C2111, C2115-C2116, C2121-C2122, - C2134, C2176, C2217, C2228, C2256-C2257, C2266, C2268, - C2338, C2340, C2346-C2347, C2361, C2388, C2460-C2461, - C2476, C2487, C2492-C2493, C2495-C2496, C2498, C2500-C2501, - C3185, C3224, C3245, C3254, C3267, C3320, C3428-C3430, - C3433-C3434 C142, C3499 R1453-R1472 R10 R600, R644, R658, R780, R814, R820, R935-R936, R938-R939, - R942, R944, R974, R1013, R1027, R1078, R1080, R1183, - R1219, R1224 C3458-C3463, C3502 C3503 SW2 F3-F8 R616, R627, R639, R645, R653-R654, R657, R661, R720-R721, - R777, R779, R783-R784, R876-R877, R927-R930, R947, - R951, R960, R968, R1014, R1028, R1030, R1040, R1081-R1082, - R1214-R1218, R1223, R1256-R1259, R1393-R1404 R50, R51, R61-R63, R148, R153, R205, R270, R276, R308-R310, - R729-R730, R846-R847, R1332-R1339 R12, R142, R188, R213, R215, R218, R222-R223, R767, - R800, R1261 R7-R8, R98-R99, R155, R193, R203, R500, R549, R551, - R553, R555-R556, R558, R564, R579-R582, R796-R797, - R803-R804, R822-R823, R828-R829, R832-R833, R837-R838, - R842-R843, R977-R978, R982-R983, R1001, R1015, R1018, - R1031-R1033, R1035-R1036, R1041, R1077 R191, R197-R198, R214, R219 R35, R269 C16, C19, C35, C44, C50, C104-C109, C198, C202-C203, - C291, C299-C300, C305, C311-C312, C349-C350, C353, - C357, C417-C418, C420, C438, C443, C448, C468-C469, - C471, C1749, C2255, C3193, C3452, C3512-C3519 R1415-R1416 C3, C439 R1384-R1391 R66, R69, R74, R77, R195, R229, R235-R236, R289, R294, - R311-R312, R441-R446, R727-R728, R848-R849, R886-R888, - R1037-R1039, R1195-R1197, R1423-R1432 R201-R202 R156 R27, R65, R67, R149, R194, R196, R230, R271, R285, -
59	2	25500-P-000034	TAJA475K010R	AVX	TANTALUM CAP SMD-3216-4.7uF-10V-10%	
60	20	25500-P-000037	ERJ2RKF3401X	Panasonic	RESISTOR SMD 0402 3k4-1%	
61	1	25500-P-000044	RC0402FR-0768K	Yageo	RESISTOR SMD 0402 68k-1%	
62	20	25500-P-000046	RC0402FR-07300R	Yageo	RESISTOR SMD 0402 300R-1%	
63	7	25500-P-000049	ECJ0EB1C103K	Panasonic	CAPACITOR SMD 0402 10nF-16V-10%	
64	1	25500-P-000050	ECJ0EB1E102K	Panasonic	CAPACITOR SMD 0402 1nF-25V-10%	
65	1	25500-P-000055	7101MD9ABE	C&K	7000 Series rt. angle toggle switch SPDT	
66	6	25500-P-000057	0453-003	Littelfuse	3A SMD VFAST ACTING FUSE	
67	52	25500-P-000059	ERJ6ENF49R9V	Panasonic	RESISTOR SMD 0805 49R9-1%	
68	25	25500-P-000060	ERJ3EKF1001V	Panasonic	RESISTOR SMD 0603 1k-1%	
69	11	25500-P-000061	RC0603FR-074K7	Yageo	RESISTOR SMD 0603 4k7-1%	
70	47	25500-P-000062	ERJ3EKF1002V	Panasonic	RESISTOR SMD 0603 10k-1%	
71	5	25500-P-000063	ERJ3EKF25R5V	Panasonic	RESISTOR SMD 0603 25R5-1%	
72	2	25500-P-000065	ERJ3EKF1000V	Panasonic	RESISTOR SMD 0603 100R-1%	
73	45	25500-P-000070	ECJ1VB1C104K	Panasonic	CAPACITOR SMD X7R 0603 100nF-16V-10%	
74	2	25500-P-000072	ERJ2RKF1400X	Panasonic	Resistor SMD 0402-140R-1%	
75	2	25500-P-000074	EEVFK1K470P	Panasonic	SMD ELECTRO CAP FK SERIES 47uF-80V-20%	
76	8	25500-P-000075	ERJ12SF1001U	Panasonic	RESISTOR SMD 2010 1k-1%	
77	41	25500-P-000076	ERJ3GEY0R00V	Panasonic	RESISTOR SMD 0603 0R0	
78	2	25500-P-000077	ERJ3EKF1101V	Panasonic	RESISTOR SMD 0603 1k1-1%	
79	1	25500-P-000078	RC0603FR-072K2	Yageo	RESISTOR SMD 0603 2k2-1%	
80	11	25500-P-000079	RC0603FR-072K7	Yageo	RESISTOR SMD 0603 2k7-1%	

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81	1	25500-P-000082	RC0603FR-076K8	Yageo	RESISTOR SMD 0603 6k8-1%	R1433-R1434
82	7	25500-P-000083	ERJ3EKF1302V	Panasonic	RESISTOR SMD 0603 13k-1%	R34
83	1	25500-P-000084	ERJ3EKF3922V	Panasonic	RESISTOR SMD 0603 39k2-1%	R68, R71, R207, R228, R288, R1435-R1436
84	1	25500-P-000085	ERJ3EKF6652V	Panasonic	RESISTOR SMD 0603 66k5-1%	R204
85	2	25500-P-000086	RC0603FR-076K8	Yageo	RESISTOR SMD 0603 68k-1%	R147
86	14	25500-P-000088	ERJ3EKF1300V	Panasonic	RESISTOR SMD 0603 130R-1%	R25, R192
87	2	25500-P-000089	ERJ3EKF1400V	Panasonic	RESISTOR SMD 0603 140R-1%	R20, R64, R70, R146, R189-R190, R227, R255-R256, R267-R268, -
88	1	25500-P-000091	ERJ3EKF2000V	Panasonic	RESISTOR SMD 0603 200R-1%	R284, R1417-R1418
89	1	25500-P-000092	RC0603FR-07330R	Yageo	RESISTOR SMD 0603 330R-1%	R602-R603
90	1	25500-P-000093	RC0603FR-07470R	Yageo	RESISTOR SMD 0603 470R-1%	R154
91	2	25500-P-000094	ERJ3EKF4990V	Panasonic	RESISTOR SMD 0603 499R-1%	R32
92	6	25500-P-000097	ERJ3EKF6341V	Panasonic	RESISTOR SMD 0603 6k34-1%	R33
93	8	25500-P-000098	ERJ3EKF6490V	Panasonic	RESISTOR SMD 0603 649R-1%	R206, R208
94	17	25500-P-000099	BLM18PG121SN1	Murata	Ferrite Bead, 120 ohm, 2000 MA, SMD 0603	R73, R76, R234, R293, R1439-R1440
95	164	25500-P-000101	ECJ0EC1H470J	Panasonic	Capacitor SMD 0402 47pF-50V-5%	R9, R72, R75, R233, R292, R1260, R1437-R1438
96	12	25500-P-000111	ERJ2RKF4990X	Panasonic	RESISTOR SMD 0402 499R-1%	L13-L15, L17-L26, L31-L33, L35
97	2	25500-P-000116	0453-010	Littelfuse	10A SMD VFAST ACTING FUSE	C475-C476, C480-C481, C489-C490, C492, C494-C496, -
98	81	25500-P-000118	EXBA10P470J	Panasonic	Chip resistor, 47ohm, 8 resistors, 2512	C735, C790-C799, C804, C806, C810, C812, C818, C820, -
99	12	25500-P-000123	EEVHA2A100P	Panasonic	SMD ELECTROLYTIC CAPACITOR	C828-C829, C832, C834, C1075, C1084, C1086, C1117-C1118, -
100	13	25500-P-000124	ECJ2FB2A153K	Panasonic	CAPACITOR SMD 0805 15nF-100V-10%	C1136-C1141, C1144-C1145, C1152-C1153, C1161-C1162, -
101	2	25500-P-000130	ECJ1VF1A105Z	Panasonic	Capacitor SMD Y5V 0603 1uF-10V-+80%/-20%	C1169-C1170, C1173-C1174, C1390, C1394-C1395, C1401, -
102	1	25500-P-000138	EP21SD1ABE	C&K	EPseries rt angle pushbutton switch DPST	C1426, C1428, C1435, C1437, C1445-C1449, C1470-C1471, -
103	20	25500-P-000140	ECJ3YB2A104K	Panasonic	CAPACITOR SMD 100n-100V-10%, 1206	C1476-C1477, C1488, C1492-C1493, C1495-C1496, C1704, -
104	239	25500-P-000142	GRM21BR60J226ME39L	Murata	CAPACITOR SMD 0805 22uF-6.3V-20%	C1706, C1709-C1710, C1738-C1740, C1767-C1768, C1823, -
105	20	25500-P-000149	ERJ8GEY0R00V	Panasonic	RESISTOR SMD 1206 0R0-5%	C1997, C2001, C2003, C2007-C2008, C2026-C2027, C2034, -
106	24	25500-P-000150	SWAC510K220M-20QS	Semicon	AC term. ntwk 51ohm/22pF, 18line QS0P20pkg	C2284, C2292-C2293, C2322, C2333-C2334, C2336-C2337, -
107	1	25500-P-000167	ERJ3EKF1502V	Panasonic	RESISTOR SMD 0603 15k-1%	C2342-C2343, C2367-C2372, C2378-C2379, C2381-C2382, -

StnBrd_BOM_25040_V1.2d_Oct07-08						
108	1	25500-P-000168	PM3700-60-RC	JW Miller	Common mode choke 5mH/ 2.0A	L34
109	48	25500-P-000171	TAJE687K006R	AVX	Cap Tantalum SMD 7343 680uF-6.3V-10%	C3464-C3495, C3552-C3555, C3577-C3580, C3585-C3592
110	134	25500-P-000184	TAJW107K010R	AVX	TANT CAP 6032-100uF-10V-10%-LowP	C29, C31, C36-C41, C45-C49, C51, C54, C59-C60, C71-C72, - C79-C84, C98, C102, C127-C131, C150-C153, C180-C182, - C186, C199-C201, C204, C235, C240, C249, C284, C289-C290, - C306, C313-C316, C325, C334-C336, C343-C344, C348, - C351, C354, C366, C372, C375-C378, C384-C386, C406, - C410-C414, C419, C421-C422, C427-C433, C437, C466-C467, - C585, C937, C1030, C1135, C1262, C1334, C1461-C1462, - C1629, C1684, C1807, C1822, C1841, C1873, C2865, C2908, - C2929, C2957, C3022, C3227, C3309, C3338, C3531-C3540, - C3567-C3576
111	3	25500-P-000188	ECJ1VB0J106M	Panasonic	ECJ chip capacitor 10uF-6.3V-20%, 0603	C3596-C3598
112	2	25500-P-000189	67L065	Airpax	Thermostat 67L065 open on rise 65 degree	TSW1-TSW2
Total Parts Used: 5454						

Non-Populated Part List

ITEM	QTY	Part Number	Manufacturer Part #	Manufacturer	Description	References
1	20	25500-P-000037	ERJ2RKF3401X	Panasonic	RESISTOR SMD 0402 3k4-1%	R1453-R1472
2	2	Pro Soft Touch	AGILENT pro soft touch footprint	Agilent	Agilent pro soft touch footprint	J21-J22
3	180	TESTPOINT-THRU	TESTPOINT-THRU		TESTPOINT THRU HOLE 40 THOU HOLE	TP1-TP180
4	1	25500-A-000012	SY02-HPLL-1PNL64-0UNA128-4-TC-CM	Raltron	Frequency synchronizer SY02-HPLL	U30
5	2	25500-A-000052	XC4VSX35-10FF668-CS2	Xilinx	VIRTEX 4 SX35 668 pin FPGA, stepping 2	U31, U70
23	2	25500-A-000092	CB2V53C064M0000	CTS	64MHz SMT Crystal Oscillator 2V5	G1-G2