

## bill\_of\_materials

# Board Station BOM file

# date : Monday January 26, 2009; 11:56:24

| ITEM_NUMBER                                              | COMPANY PART NO.       | GEOMETRY     | COUNT |      |
|----------------------------------------------------------|------------------------|--------------|-------|------|
| DESCRIPTION                                              | REFERENCE              |              |       |      |
| 1                                                        | 0613952C10             | SMT1608_0603 | 2     | RES, |
| resistor,124 ohm,1/16 watt,1%,0603, n/a, n/a             | R2213, R2342           |              |       |      |
| 2                                                        | 0613952D10             | SMT1608_0603 | 1     | RES, |
| resistor,1.24k,1/16 watt,1%,0603, n/a, n/a               | R2216                  |              |       |      |
| 3                                                        | 0613952D68             | SMT1608_0603 | 1     | RES, |
| resistor,4.99k,1/16 watt,1%,0603, n/a, n/a               | R2202                  |              |       |      |
| 4                                                        | 0613952E01             | SMT1608_0603 | 1     | RES, |
| resistor, 10k, 0.1watt, 1%, 0603, n/a, n/a               | R2205                  |              |       |      |
| 5                                                        | 0613952E09             | SMT1608_0603 | 2     | RES, |
| resistor, 12.1k, 0.1watt, 1%, 0603, n/a, n/a             | R2184, R2291           |              |       |      |
| 6                                                        | 0613952E19             | SMT1608_0603 | 1     | RES, |
| resistor, 15.4k, 0.1watt, 1%, 0603, n/a, n/a             | R2203                  |              |       |      |
| 7                                                        | 0613952E51             | SMT1608_0603 | 1     | RES, |
| resistor, 33.2k, 0.1watt, 1%, 0603, n/a, n/a             | R2201                  |              |       |      |
| 8                                                        | 0613952E58             | SMT1608_0603 | 2     | RES, |
| resistor,39.2k, 0.1watt,1%,0603, n/a, n/a                | R2199, R2290           |              |       |      |
| 9                                                        | 0613952G67             | SMT1608_0603 | 2     | RES, |
| resistor,0 ohm,0603, KOA, RK73Z1JTDD                     | R2180, R2182           |              |       |      |
| 10                                                       | 0613952H25             | SMT1608_0603 | 2     | RES, |
| resistor,10 ohm,5%,0603, KOA, RK73B1JTDD100J             | R2177, R2178           |              |       |      |
| 11                                                       | 0613952H39             | SMT1608_0603 | 2     | RES, |
| resistor,39 ohm, .1 watt,5%,0603, KOA, RK73B1JTDD390J    | R2338, R2339           |              |       |      |
| 12                                                       | 0613952H46             | SMT1608_0603 | 2     | RES, |
| resistor,75 ohm,5%,0603, KOA, RK73B1JTDD750J             | R804, R807             |              |       |      |
| 13                                                       | 0613952H49             | SMT1608_0603 | 2     | RES, |
| resistor,100 ohm,5%,0603, KOA, RK73B1JTDD101J            | R908, R911             |              |       |      |
| 14                                                       | 0613952H61             | SMT1608_0603 | 4     | RES, |
| resistor,330 ohm,5%,0603, KOA, RK73B1JTDD331J            | R906, R907, R909, R910 |              |       |      |
| 15                                                       | 0613952H80             | SMT1608_0603 | 1     | RES, |
| resistor,2.0k,5%,0603, KOA, RK73B1JTDD202J               | R2189                  |              |       |      |
| 16                                                       | 0613952J01             | SMT1608_0603 | 2     | RES, |
| resistor,10k,.1 watt,5%,0603, KOA, RK73B1JTDD103J        | R2186, R2187           |              |       |      |
| 17                                                       | 0613952J05             | SMT1608_0603 | 1     | RES, |
| resistor,15k, .1 watt,5%,0603, KOA, RK73B1JTDD153J       | R2188                  |              |       |      |
| 18                                                       | 0613952J08             | SMT1608_0603 | 1     | RES, |
| resistor,20k, .1 watt,5%,0603, KOA Speer, RK73B1JTDD203J | R2185                  |              |       |      |

|                                                     | bill_of_materials                                                                   |    |      |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|----|------|
| 19                                                  | 0613952J19 SMT1608_0603                                                             | 5  | RES, |
| resistor,56k,5%,0603, KOA, RK73B1JTTD563J           |                                                                                     |    |      |
|                                                     | R800, R801, R802, R803, R805                                                        |    |      |
| 20                                                  | 0613952P68 SMT1005_0402                                                             | 3  | RES, |
| resistor,499Kohm,1%,1/16w,0402, N/A, N/A            |                                                                                     |    |      |
|                                                     | R2191, R2215, R2379                                                                 |    |      |
| 21                                                  | 0613952Q18 SMT1005_0402                                                             | 39 | RES, |
| resistor,5.1 ohm,5%,0402, KOA SPEER, RK73B1ETTD5R1J |                                                                                     |    |      |
|                                                     | R1200, R1201, R1343, R1344, R1384, R1385, R1386, R1387, R1388, R1389,               |    |      |
|                                                     | R1390, R1391, R1392, R1393, R1394, R1395, R1396, R1397, R1401, R1402, R1403, R1404, |    |      |
|                                                     | R1405, R1406, R1407, R1408, R1409, R1410, R1411, R1412, R1414, R1415, R1701, R1814, |    |      |
|                                                     | R2284, R2285, R2348, R2349, R2350                                                   |    |      |
| 22                                                  | 0613952Q25 SMT1005_0402                                                             | 3  | RES, |
| resistor,10 ohm,5%,0402, KOA, RK73B1ETTD100J        |                                                                                     |    |      |
|                                                     | R1436, R2304, R2337                                                                 |    |      |
| 23                                                  | 0613952Q27 SMT1005_0402                                                             | 17 | RES, |
| resistor,12 ohm,1/16w,5%,0402, KOA, RK73B1ETTD120J  |                                                                                     |    |      |
|                                                     | R1715, R1716, R1717, R1718, R1719, R1721, R1722, R1731, R1732, R1734,               |    |      |
|                                                     | R1870, R1924, R1925, R1926, R1927, R1928, R1929                                     |    |      |
| 24                                                  | 0613952Q30 SMT1005_0402                                                             | 5  | RES, |
| resistor,16 ohm,1/16w,5%,0402, KOA, RK73B1ETTD160J  |                                                                                     |    |      |
|                                                     | R1705, R1706, R1811, R2049, R2050                                                   |    |      |
| 25                                                  | 0613952Q31 SMT1005_0402                                                             | 13 | RES, |
| resistor,18 ohm,1/16w,5%,0402, KOA, RK73B1ETTD180J  |                                                                                     |    |      |
|                                                     | R1553, R1566, R1567, R1568, R1569, R1570, R1571, R1702, R1709, R1710,               |    |      |
|                                                     | R1711, R1868, R2096                                                                 |    |      |
| 26                                                  | 0613952Q34 SMT1005_0402                                                             | 1  | RES, |
| resistor,24 ohm,1/16w,5%,0402, KOA, RK73B1ETTD240J  |                                                                                     |    |      |
|                                                     | R1923                                                                               |    |      |
| 27                                                  | 0613952Q37 SMT1005_0402                                                             | 4  | RES, |
| resistor,33 ohm,1/16w,5%,0402, KOA, RK73B1ETTD330J  |                                                                                     |    |      |
|                                                     | R1195, R1196, R1989, R1990                                                          |    |      |
| 28                                                  | 0613952Q39 SMT1005_0402                                                             | 4  | RES, |
| resistor,39 ohm,1/16w,5%,0402, KOA, RK73B1ETTD390J  |                                                                                     |    |      |
|                                                     | R1349, R1696, R1837, R1922                                                          |    |      |
| 29                                                  | 0613952Q41 SMT1005_0402                                                             | 1  | RES, |
| resistor,47 ohm,1/16w,5%,0402, KOA, RK73B1ETTP470J  |                                                                                     |    |      |
|                                                     | R1609                                                                               |    |      |
| 30                                                  | 0613952Q42 SMT1005_0402                                                             | 10 | RES, |
| resistor,51 ohm,1/16w,5%,0402, KOA, RK73B1ETTP510J  |                                                                                     |    |      |
|                                                     | R1381, R1382, R1838, R2085, R2297, R2298, R2354, R2355, R2364, R2372                |    |      |
| 31                                                  | 0613952Q49 SMT1005_0402                                                             | 58 | RES, |
| resistor,100 ohm,5%,0402, KOA, RK73B1ETTP101J       |                                                                                     |    |      |
|                                                     | R1140, R1141, R1380, R1527, R1625, R1627, R1813, R1858, R1859, R1860,               |    |      |
|                                                     | R1861, R1862, R1864, R1865, R1866, R1904, R1905, R1906, R1907, R1908, R1909, R1910, |    |      |
|                                                     | R1911, R1912, R1913, R1914, R1915, R1916, R1917, R1918, R1972, R1973, R1974, R1975, |    |      |
|                                                     | R1976, R1977, R1978, R1987, R2032, R2033, R2039, R2040, R2041, R2042, R2043, R2044, |    |      |
|                                                     | R2045, R2046, R2047, R2048, R2278, R2279, R2280, R2295, R2296, R2310, R2311, R2312  |    |      |
| 32                                                  | 0613952Q51 SMT1005_0402                                                             | 2  | RES, |
| resistor,120 ohm,1/16w,5%,0402, KOA, RK73B1ETTP121J |                                                                                     |    |      |
|                                                     | R1835, R1836                                                                        |    |      |
| 33                                                  | 0613952Q53 SMT1005_0402                                                             | 8  | RES, |
| resistor,150 ohm,1/16w,5%,0402, KOA, RK73B1ETTP151J |                                                                                     |    |      |
|                                                     | R1330, R1331, R1517, R1678, R1833, R1834, R1898, R1899                              |    |      |
| 34                                                  | 0613952Q56 SMT1005_0402                                                             | 4  | RES, |
| resistor,200 ohm,1/16w,5%,0402, KOA, RK73B1ETTP201J |                                                                                     |    |      |
|                                                     | R2035, R2036, R2037, R2038                                                          |    |      |
| 35                                                  | 0613952Q57 SMT1005_0402                                                             | 2  | RES, |
| resistor,220 ohm,1/16w,5%,0402, KOA, RK73B1ETTP221J |                                                                                     |    |      |
|                                                     | R1900, R1901                                                                        |    |      |
| 36                                                  | 0613952Q58 SMT1005_0402                                                             | 1  | RES, |
| resistor,240 ohm,5%,0402, KOA, RK73B1ETTP241J       |                                                                                     |    |      |
|                                                     | R2034                                                                               |    |      |

| bill_of_materials                                                                                                                                                                                                                                                                                                         |            |              |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|---------|
| 37                                                                                                                                                                                                                                                                                                                        | 0613952Q59 | SMT1005_0402 | 45 RES, |
| resistor,270 ohm,5%,0402, KOA, RK73B1ETTP271J                                                                                                                                                                                                                                                                             |            |              |         |
| R1121, R1497, R1660, R1783, R1784, R1793, R1794, R1893, R1895, R1988, R2007, R2008, R2009, R2010, R2011, R2012, R2013, R2014, R2015, R2016, R2017, R2018, R2019, R2020, R2021, R2022, R2023, R2024, R2025, R2026, R2027, R2028, R2029, R2030, R2031, R2254, R2333, R2334, R2351, R2352, R2353, R2367, R2368, R2369, R2370 |            |              |         |
| 38                                                                                                                                                                                                                                                                                                                        | 0613952Q60 | SMT1005_0402 | 7 RES,  |
| resistor,300 ohm,1/16w,5%,0402, KOA, RK73B1ETTP301J                                                                                                                                                                                                                                                                       |            |              |         |
| R1325, R1490, R1491, R1650, R1651, R2094, R2095                                                                                                                                                                                                                                                                           |            |              |         |
| 39                                                                                                                                                                                                                                                                                                                        | 0613952Q61 | SMT1005_0402 | 10 RES, |
| resistor,330 ohm,1/16w,5%,0402, KOA, RK73B1ETTP331J                                                                                                                                                                                                                                                                       |            |              |         |
| R900, R901, R902, R903, R904, R1068, R1069, R1891, R1892, R2300                                                                                                                                                                                                                                                           |            |              |         |
| 40                                                                                                                                                                                                                                                                                                                        | 0613952Q63 | SMT1005_0402 | 15 RES, |
| resistor,390 ohm,1/16w,5%,0402, KOA, RK73B1ETTP391J                                                                                                                                                                                                                                                                       |            |              |         |
| R1111, R1112, R1113, R1114, R1998, R1999, R2000, R2001, R2002, R2003, R2004, R2005, R2006, R2281, R2356                                                                                                                                                                                                                   |            |              |         |
| 41                                                                                                                                                                                                                                                                                                                        | 0613952Q64 | SMT1005_0402 | 28 RES, |
| resistor,430 ohm,1/16w,5%,0402, KOA, RK73B1ETTP431J                                                                                                                                                                                                                                                                       |            |              |         |
| R1464, R1612, R1613, R1616, R1617, R1620, R1621, R1630, R1631, R1632, R1633, R1634, R1635, R1636, R1637, R1638, R1641, R1642, R1643, R1644, R1854, R1855, R1885, R1886, R1887, R1888, R1889, R1890                                                                                                                        |            |              |         |
| 42                                                                                                                                                                                                                                                                                                                        | 0613952Q69 | SMT1005_0402 | 1 RES,  |
| resistor,680 ohm,1/16w,5%,0402, KOA, RK73B1ETTP681J                                                                                                                                                                                                                                                                       |            |              |         |
| R2302                                                                                                                                                                                                                                                                                                                     |            |              |         |
| 43                                                                                                                                                                                                                                                                                                                        | 0613952Q73 | SMT1005_0402 | 40 RES, |
| resistor,1k,1/16w,5%,0402, KOA, RK73B1ETTP102J                                                                                                                                                                                                                                                                            |            |              |         |
| R1066, R1071, R1072, R1168, R1169, R1180, R1181, R1182, R1183, R1316, R1317, R1318, R1319, R1486, R1487, R1608, R1853, R1856, R1857, R1985, R1986, R2264, R2265, R2266, R2267, R2268, R2269, R2270, R2271, R2272, R2273, R2274, R2275, R2276, R2277, R2309, R2318, R2336, R2366, R2376                                    |            |              |         |
| 44                                                                                                                                                                                                                                                                                                                        | 0613952Q81 | SMT1005_0402 | 3 RES,  |
| resistor,2.2k,1/16w,5%,0402, KOA, RK73B1ETTP222J                                                                                                                                                                                                                                                                          |            |              |         |
| R1161, R1163, R2303                                                                                                                                                                                                                                                                                                       |            |              |         |
| 45                                                                                                                                                                                                                                                                                                                        | 0613952Q83 | SMT1005_0402 | 1 RES,  |
| resistor,2.7k,1/16w,5%,0402, KOA, RK73B1ETTP272J                                                                                                                                                                                                                                                                          |            |              |         |
| R1607                                                                                                                                                                                                                                                                                                                     |            |              |         |
| 46                                                                                                                                                                                                                                                                                                                        | 0613952Q84 | SMT1005_0402 | 1 RES,  |
| resistor,3k,1/16w,5%,0402, KOA, RK73B1ETTP302J                                                                                                                                                                                                                                                                            |            |              |         |
| R1379                                                                                                                                                                                                                                                                                                                     |            |              |         |
| 47                                                                                                                                                                                                                                                                                                                        | 0613952Q89 | SMT1005_0402 | 4 RES,  |
| resistor,4.7k,1/16w,5%,0402, KOA, RK73B1ETTP472J                                                                                                                                                                                                                                                                          |            |              |         |
| R1324, R1852, R1991, R2263                                                                                                                                                                                                                                                                                                |            |              |         |
| 48                                                                                                                                                                                                                                                                                                                        | 0613952Q95 | SMT1005_0402 | 2 RES,  |
| resistor,8.2k,1/16w,5%,0402, KOA, RK73B1ETTP822J                                                                                                                                                                                                                                                                          |            |              |         |
| R1980, R1981                                                                                                                                                                                                                                                                                                              |            |              |         |
| 49                                                                                                                                                                                                                                                                                                                        | 0613952R01 | SMT1005_0402 | 41 RES, |
| resistor, 10k, 1/16w, 5%, 0402, KOA, RK73B1ETTP103J                                                                                                                                                                                                                                                                       |            |              |         |
| R905, R1033, R1035, R1078, R1167, R1368, R1376, R1377, R1378, R1398, R1848, R1851, R1878, R1982, R1983, R1984, R1997, R2250, R2251, R2252, R2253, R2255, R2256, R2257, R2258, R2259, R2260, R2261, R2262, R2294, R2317, R2328, R2329, R2335, R2359, R2360, R2361, R2362, R2365, R2377, R2378                              |            |              |         |
| 50                                                                                                                                                                                                                                                                                                                        | 0613952R17 | SMT1005_0402 | 1 RES,  |
| resistor, 47k, 5%, 1/16w, 0402, KOA, r73b1ettd473j                                                                                                                                                                                                                                                                        |            |              |         |
| R2299                                                                                                                                                                                                                                                                                                                     |            |              |         |
| 51                                                                                                                                                                                                                                                                                                                        | 0613952R33 | SMT1005_0402 | 1 RES,  |
| resistor, 220k, 5%, 1/16w, 0402, KOA, rk73b1ettd224j                                                                                                                                                                                                                                                                      |            |              |         |
| R304                                                                                                                                                                                                                                                                                                                      |            |              |         |
| 52                                                                                                                                                                                                                                                                                                                        | 0613952R66 | SMT1005_0402 | 19 RES, |
| resistor, 0 ohm, +0.05/-0.00, 1/16w, 0402, KOA, RK73B1ETTP                                                                                                                                                                                                                                                                |            |              |         |
| R1203, R1419, R1441, R1603, R1812, R1931, R1932, R2051, R2181, R2286, R2287, R2289, R2313, R2314, R2315, R2316, R2331, R2363, R2375                                                                                                                                                                                       |            |              |         |
| 53                                                                                                                                                                                                                                                                                                                        | 0613958D01 | SMT2012_0805 | 1 RES,  |
| resistor,1k,1/10 watt,1%,0805, n/a, n/a                                                                                                                                                                                                                                                                                   |            |              |         |

bill\_of\_materials

|    |                                                                                             |                          |   |       |
|----|---------------------------------------------------------------------------------------------|--------------------------|---|-------|
| 54 | R2196<br>0613958E47<br>resistor,30.1k,1/10 watt,1%,0805, n/a, n/a                           | SMT2012_0805             | 1 | RES,  |
| 55 | R2195<br>0613958J74<br>resistor,0 ohm,1/8w,0805, KOA, rk73z2attd                            | SMT2012_0805             | 1 | RES,  |
| 56 | R2332<br>0613958N68<br>resistor,4.99k,1/8 watt,1%,1206, n/a, n/a                            | SMT3216_1206             | 1 | RES,  |
| 57 | R2194<br>0613958P30<br>resistor,20k,1/4 watt,1%,1206, n/a, n/a                              | SMT3216_1206             | 2 | RES,  |
| 58 | R2192, R2193<br>0614033D72<br>resistor,54.9 ohm,0.1%,0603, n/a, n/a                         | SMT1608_0603             | 2 | RES,  |
| 59 | R2190, R2341<br>0689387C01<br>resistor,51 ohm,5%,1/16W,0603, KOA, RK73B1JTDD510J            | SMT1608_0603             | 4 | RES,  |
| 60 | R806, R808, R809, R810<br>0689931C01<br>resistor, 0.1 ohm,1%,1210, Panasonic, erj-l14kf10cu | SMT3225_1210             | 1 | RES,  |
| 61 | R2100<br>0885126C02<br>capacitor, .022uF,5%,16V,1206, Panasonic, echu1c223jx5               | SMT3216_1206             | 2 | CAPN, |
| 62 | C1622, C1828<br>0886641Z01<br>capacitor, 0.1uF, 20%, 16V, 0805, panasonic, ECPU1C104MA5     | SMT2012_0805             | 2 | CAPN, |
| 63 | C2443, C2448<br>0886641Z03<br>capacitor, 0.22uF, 20%, 16V, 1206, panasonic, ECPU1C224MA5    | SMT3216_1206             | 2 | CAPN, |
| 64 | C1179, C2439<br>0886641Z06<br>capacitor, 0.68uF, 20%, 16V, 1206, panasonic, ECPU1C684MA5    | SMT3216_1206             | 1 | CAPN, |
| 65 | C2440<br>0886641Z07<br>capacitor, 1uF, 20%, 16V, 1210, panasonic, ECPU1C105MA5              | SMT3225_1210             | 1 | CAPN, |
| 66 | C1660<br>0888600M25<br>capacitor, .01uF,5%,15V,0805, Panasonic Industrial, ECHU1C103JX5     | SMT2012_0805             | 2 | CAPN, |
| 67 | C1194, C2449<br>0914879D01<br>jack, rj45, shielded, AMPHENOL, RJE05-188-1417H               | CON8_RJ45_DUAL-SHIELD_A  | 1 | CONN, |
| 68 | J800<br>0914885D01<br>jack, rj25, shielded, Amphenol, RJE05-166-1417H                       | CON6_RJ25_DUAL-SHIELD_A  | 1 | CONN, |
| 69 | J900<br>0971438N01<br>connector, MICTOR vertical receptacle, TYCO, 2-5767004-2              | CON38_VERT_RECEPT_MICTOR | 1 | CONN, |
| 70 | J5<br>157996-134-00<br>inductor, 91nH, 0805, Coilcraft, 0805CS-910XGBC                      | SMT2012_0805             | 1 | COIL, |
| 71 | L1043<br>2113740F67<br>capacitor, 470pF, 50V, 0603, TDK, n/a                                | SMT1608_0603             | 1 | CAPN, |
| 72 | C2349<br>2113741F49<br>capacitor, .01uF, 50V, 0603, TDK, C1608X7R1H103JT009N                | SMT1608_0603             | 2 | CAPN, |
| 73 | C2347, C2348<br>2113743E20<br>capacitor, 0.10uF, 16V, 0603, Kemet, c0603c104k4rac           | SMT1608_0603             | 1 | CAPN, |
| 74 | C2426<br>2113743F16<br>capacitor, 1uF, 16V, 0805, TDK, C2012Y5V1C105ZT090N                  | SMT2012_0805             | 5 | CAPN, |

| bill_of_materials                                                                   |                                                              |     |       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|-------|
| 75                                                                                  | C1662, C1663, C2342, C2343, C2436<br>2113743G24 SMT3216_1206 | 2   | CAPN, |
| capacitor, 2.2uF, 16V, 1206, TDK, c1206c225z4vac                                    |                                                              |     |       |
| 76                                                                                  | C2416, C2417<br>2113743L01 SMT1005_0402                      | 16  | CAPN, |
| capacitor, 220pF, 10%, 16V, 0402, n/a, n/a                                          |                                                              |     |       |
| C1092, C2085, C2086, C2087, C2088, C2089, C2090, C2095, C2096, C2097,               |                                                              |     |       |
| C2104, C2105, C2106, C2107, C2427, C2475                                            |                                                              |     |       |
| 77                                                                                  | 2113743L17 SMT1005_0402                                      | 29  | CAPN, |
| capacitor, 1000pF, 10%, 16V, 0402, n/a, n/a                                         |                                                              |     |       |
| C1204, C1210, C1226, C1231, C1233, C1245, C1258, C1859, C1860, C1861,               |                                                              |     |       |
| C1862, C1865, C1866, C1896, C1897, C1898, C1899, C1900, C1901, C2046, C2054, C2056, |                                                              |     |       |
| C2184, C2185, C2186, C2187, C2422, C2423, C2425                                     |                                                              |     |       |
| 78                                                                                  | 2113743L19 SMT1005_0402                                      | 2   | CAPN, |
| capacitor, 1200pF, 10%, 16V, 0402, n/a, n/a                                         |                                                              |     |       |
| 79                                                                                  | C2269, C2270<br>2113743L41 SMT1005_0402                      | 115 | CAPN, |
| capacitor, .01uF, 10%, 16V, 0402, n/a, n/a                                          |                                                              |     |       |
| C1268, C1272, C1273, C1283, C1310, C1478, C1640, C1641, C1642, C1643,               |                                                              |     |       |
| C1644, C1645, C1647, C1655, C1657, C1703, C1773, C1853, C1854, C1858, C1868, C1869, |                                                              |     |       |
| C1870, C1872, C1873, C1875, C1876, C1880, C1881, C1882, C1883, C1902, C2007, C2009, |                                                              |     |       |
| C2010, C2012, C2013, C2052, C2053, C2055, C2057, C2181, C2182, C2183, C2194, C2195, |                                                              |     |       |
| C2361, C2362, C2363, C2364, C2365, C2366, C2367, C2368, C2369, C2370, C2371, C2372, |                                                              |     |       |
| C2373, C2374, C2375, C2376, C2377, C2378, C2379, C2380, C2381, C2382, C2383, C2384, |                                                              |     |       |
| C2385, C2386, C2387, C2388, C2389, C2390, C2391, C2392, C2393, C2394, C2395, C2396, |                                                              |     |       |
| C2397, C2398, C2399, C2400, C2401, C2402, C2403, C2404, C2405, C2406, C2407, C2408, |                                                              |     |       |
| C2409, C2410, C2411, C2412, C2413, C2414, C2415, C2418, C2437, C2438, C2441, C2442, |                                                              |     |       |
| C2452, C2453, C2454, C2455, C2456, C2457, C2458, C2461, C2462                       |                                                              |     |       |
| 80                                                                                  | 2113743M24 SMT1005_0402                                      | 24  | CAPN, |
| capacitor, 0.1uF, +80%/-20%, 16V, 0402, n/a, n/a                                    |                                                              |     |       |
| C800, C801, C1073, C1090, C1091, C1093, C1094, C1095, C1096, C1794, C1855,          |                                                              |     |       |
| C1857, C1867, C1886, C1888, C1889, C2017, C2025, C2276, C2360, C2419, C2467, C2497, |                                                              |     |       |
| C2498                                                                               |                                                              |     |       |
| 81                                                                                  | 2113743N18 SMT1005_0402                                      | 16  | CAPN, |
| capacitor, 4.7pF, +/- .25pF, 0402, n/a, n/a                                         |                                                              |     |       |
| C1492, C1495, C1498, C1505, C1506, C1970, C1980, C1981, C1996, C1997,               |                                                              |     |       |
| C2169, C2170, C2171, C2172, C2355, C2510                                            |                                                              |     |       |
| 82                                                                                  | 2113743N26 SMT1005_0402                                      | 7   | CAPN, |
| capacitor, 10pF, +/- .5pF, 0402, n/a, n/a                                           |                                                              |     |       |
| C1263, C1264, C1822, C1923, C1966, C2047, C2421                                     |                                                              |     |       |
| 83                                                                                  | 2113743N31 SMT1005_0402                                      | 1   | CAPN, |
| capacitor, 16pF, 5%, 16v, 0402, n/a, n/a                                            |                                                              |     |       |
| 84                                                                                  | C1280<br>2113743N32 SMT1005_0402                             | 12  | CAPN, |
| capacitor, 18pF, 5%, 50v, 0402, n/a, n/a                                            |                                                              |     |       |
| C1176, C1490, C1491, C1493, C1494, C1501, C1502, C1504, C1846, C1968,               |                                                              |     |       |
| C1969, C2049                                                                        |                                                              |     |       |
| 85                                                                                  | 2113743N34 SMT1005_0402                                      | 8   | CAPN, |
| capacitor, 22pF, 5%, 16v, 0402, n/a, n/a                                            |                                                              |     |       |
| C1177, C1178, C1843, C1847, C1848, C1851, C2356, C2482                              |                                                              |     |       |
| 86                                                                                  | 2113743N37 SMT1005_0402                                      | 3   | CAPN, |
| capacitor, 30pF, 5%, 16v, 0402, n/a, n/a                                            |                                                              |     |       |
| C1281, C1849, C2420                                                                 |                                                              |     |       |
| 87                                                                                  | 2113743N38 SMT1005_0402                                      | 21  | CAPN, |
| capacitor, 33pF, 5%, 16v, 0402, n/a, n/a                                            |                                                              |     |       |
| C1174, C1286, C1884, C2080, C2081, C2082, C2083, C2084, C2091, C2092,               |                                                              |     |       |
| C2093, C2094, C2108, C2109, C2110, C2111, C2112, C2113, C2114, C2115, C2474         |                                                              |     |       |
| 88                                                                                  | 2113743N40 SMT1005_0402                                      | 1   | CAPN, |
| capacitor, 39pF, 5%, 0402, n/a, n/a                                                 |                                                              |     |       |
| 89                                                                                  | C1842<br>2113743N41 SMT1005_0402                             | 5   | CAPN, |
| capacitor, 43pF, 5%, 16v, 0402, n/a, n/a                                            |                                                              |     |       |
| C1065, C1804, C1844, C2491, C2513                                                   |                                                              |     |       |

| bill_of_materials                                            |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----|-------|
| 90                                                           | 2113743N46                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 8  | CAPN, |
| capacitor, 68pF, 5%, 16v, 0402, n/a, n/a                     |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1087, C2098, C2099, C2100, C2101, C2476, C2477, C2478                                                                                                                                                                                                                                                                                                                                                        |              |    |       |
| 91                                                           | 2113743N50                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 57 | CAPN, |
| capacitor, 100pF, 5%, 16v, 0402, n/a, n/a                    |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1378, C1545, C1548, C1549, C1550, C1551, C1556, C1563, C1564, C1569, C1581, C1583, C1585, C1586, C1587, C1588, C1589, C1590, C1609, C1707, C1770, C1903, C1904, C1905, C1963, C1965, C1971, C1972, C1973, C1974, C1975, C2014, C2015, C2036, C2037, C2038, C2039, C2040, C2041, C2042, C2153, C2154, C2156, C2157, C2158, C2159, C2161, C2353, C2354, C2429, C2445, C2463, C2464, C2465, C2466, C2509, C2512 |              |    |       |
| 92                                                           | 2113743N51                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 1  | CAPN, |
| capacitor, 110pF, 5%, 0402, n/a, n/a                         |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1086                                                                                                                                                                                                                                                                                                                                                                                                         |              |    |       |
| 93                                                           | 2113928K11                                                                                                                                                                                                                                                                                                                                                                                                    | SMT3216_1206 | 1  | CAPN, |
| capacitor, 22uF, 10%, 6.3V, 1206, n/a, n/a                   |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C2223                                                                                                                                                                                                                                                                                                                                                                                                         |              |    |       |
| 94                                                           | 2113944A02                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 4  | CAPN, |
| capacitor, 1.2pF, +/- .25pF, 50V, 0402, TDK, c1005c0g1h1r2ct |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C2178, C2180, C2517, C2518                                                                                                                                                                                                                                                                                                                                                                                    |              |    |       |
| 95                                                           | 2113944A08                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 1  | CAPN, |
| capacitor, 2pF, +/- .25pF, 50V, 0402, TDK, c1005c0g1h020ct   |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C2179                                                                                                                                                                                                                                                                                                                                                                                                         |              |    |       |
| 96                                                           | 2113944A12                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 6  | CAPN, |
| capacitor, 3.0pF, +/- .25pF, 50V, 0402, TDK, c1005c0g1h030ct |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1998, C1999, C2000, C2045, C2174, C2176                                                                                                                                                                                                                                                                                                                                                                      |              |    |       |
| 97                                                           | 2113944A18                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 6  | CAPN, |
| capacitor, 5.1pF, +/- .5pF, 50V, 0402, TDK, n/a              |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1814, C1815, C1924, C1925, C2001, C2002                                                                                                                                                                                                                                                                                                                                                                      |              |    |       |
| 98                                                           | 2113944A39                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 2  | CAPN, |
| capacitor, 91pF, 5%, 50V, 0402, n/a, n/a                     |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1082, C1083                                                                                                                                                                                                                                                                                                                                                                                                  |              |    |       |
| 99                                                           | 2113944A62                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 2  | CAPN, |
| capacitor, 0.75pF, +/- .25pF, 0402, TDK, C1005C0G1HR75CT     |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C2173, C2433                                                                                                                                                                                                                                                                                                                                                                                                  |              |    |       |
| 100                                                          | 2113944A85                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 2  | CAPN, |
| capacitor, 51pF, 5%, 50V, 0402, TDK, n/a                     |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1081, C1084                                                                                                                                                                                                                                                                                                                                                                                                  |              |    |       |
| 101                                                          | 2113945A13                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1005_0402 | 1  | CAPN, |
| capacitor, 4700pF, 10%, 50V, 0402, n/a, n/a                  |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C2350                                                                                                                                                                                                                                                                                                                                                                                                         |              |    |       |
| 102                                                          | 2113945D04                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1608_0603 | 8  | CAPN, |
| capacitor, .1uF, 10%, X7R, 25V, 0603, n/a, n/a               |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1275, C2152, C2271, C2272, C2273, C2274, C2275, C2489                                                                                                                                                                                                                                                                                                                                                        |              |    |       |
| 103                                                          | 2113945U69                                                                                                                                                                                                                                                                                                                                                                                                    | SMT3216_1206 | 4  | CAPN, |
| capacitor, .1uF, 10%, X7R, 100V, 1206, n/a, n/a              |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C2266, C2267, C2268, C2488                                                                                                                                                                                                                                                                                                                                                                                    |              |    |       |
| 104                                                          | 2113946D02                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1608_0603 | 31 | CAPN, |
| capacitor, 1.0uF, 10%, 6.3V, 0603, n/a, n/a                  |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1186, C1187, C1265, C1266, C1267, C1282, C1309, C1312, C1795, C1803, C1835, C1890, C1891, C1892, C1894, C1990, C2058, C2060, C2061, C2062, C2189, C2252, C2253, C2254, C2255, C2259, C2260, C2261, C2263, C2265, C2505                                                                                                                                                                                       |              |    |       |
| 105                                                          | 2113946D05                                                                                                                                                                                                                                                                                                                                                                                                    | SMT1608_0603 | 1  | CAPN, |
| capacitor, 2.2uF, 10%, 6.3V, 0603, n/a, n/a                  |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C2228                                                                                                                                                                                                                                                                                                                                                                                                         |              |    |       |
| 106                                                          | 2113946E02                                                                                                                                                                                                                                                                                                                                                                                                    | SMT2012_0805 | 1  | CAPN, |
| capacitor, 1.0uF, 10%, 16V, 0805, n/a, n/a                   |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C2247                                                                                                                                                                                                                                                                                                                                                                                                         |              |    |       |
| 107                                                          | 2113946F01                                                                                                                                                                                                                                                                                                                                                                                                    | SMT2012_0805 | 1  | CAPN, |
| capacitor, 2.2uF, 10%, 6.3V, 0805, n/a, n/a                  |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C2243                                                                                                                                                                                                                                                                                                                                                                                                         |              |    |       |
| 108                                                          | 2113946F08                                                                                                                                                                                                                                                                                                                                                                                                    | SMT2012_0805 | 25 | CAPN, |
| capacitor, 22uF, 20%, 6.3V, 0805, n/a, n/a                   |                                                                                                                                                                                                                                                                                                                                                                                                               |              |    |       |
|                                                              | C1074, C1075, C1076, C1262, C1308, C1311, C1532, C1833, C1834, C2224,                                                                                                                                                                                                                                                                                                                                         |              |    |       |

bill\_of\_materials

|                                                                                                         |                                                                                                                                                                                                                                                                                                                                                       |                        |       |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------|
| C2226, C2227, C2229, C2231, C2232, C2233, C2236, C2237, C2238, C2239, C2240, C2257, C2262, C2264, C2444 |                                                                                                                                                                                                                                                                                                                                                       |                        |       |
| 109                                                                                                     | 2113946H01                                                                                                                                                                                                                                                                                                                                            | SMT3216_1206           | 2     |
| capacitor, 4.7uF, 10%, 10V, 1206, n/a, n/a                                                              |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPN, |
|                                                                                                         | C1276, C2230                                                                                                                                                                                                                                                                                                                                          |                        |       |
| 110                                                                                                     | 2114036E31                                                                                                                                                                                                                                                                                                                                            | SMT1005_0402           | 2     |
| capacitor, 0.4pF, +/-0.02pF, 25V, 0402, n/a, n/a                                                        |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPN, |
|                                                                                                         | C2424, C2431                                                                                                                                                                                                                                                                                                                                          |                        |       |
| 111                                                                                                     | 2114036F56                                                                                                                                                                                                                                                                                                                                            | SMT1005_0402           | 49    |
| capacitor, 1.6pF, +/-0.25pF, 25V, 0402, n/a, n/a                                                        |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPN, |
|                                                                                                         | C1349, C1350, C1754, C1758, C1760, C1762, C1786, C1852, C1976, C1977, C1979, C1982, C1983, C1984, C1985, C1986, C1987, C1988, C1989, C1991, C1992, C1993, C1994, C2003, C2011, C2043, C2044, C2050, C2068, C2069, C2102, C2103, C2163, C2164, C2165, C2166, C2167, C2168, C2200, C2357, C2358, C2359, C2430, C2434, C2435, C2479, C2492, C2493, C2508 |                        |       |
| 112                                                                                                     | 2171302N02                                                                                                                                                                                                                                                                                                                                            | SMT3216_1206           | 1     |
| capacitor, .047uF, 16v, 5%, Panasonic, echu1h473jx5                                                     |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPN, |
|                                                                                                         | C1619                                                                                                                                                                                                                                                                                                                                                 |                        |       |
| 113                                                                                                     | 2171720N01                                                                                                                                                                                                                                                                                                                                            | SMT1005_0402           | 1     |
| capacitor, 2pF, +/- .05pF, 0402, Johanson Technology, 500r07s2r0av4                                     |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPN, |
|                                                                                                         | C2177                                                                                                                                                                                                                                                                                                                                                 |                        |       |
| 114                                                                                                     | 2171777N01                                                                                                                                                                                                                                                                                                                                            | C_SANYO-D3L_7_3x4_3MM  | 2     |
| capacitor, 100uF, 10%, 10v, AVX, TAJX107K010R                                                           |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPP, |
|                                                                                                         | C2248, C2250                                                                                                                                                                                                                                                                                                                                          |                        |       |
| 115                                                                                                     | 2313960D28                                                                                                                                                                                                                                                                                                                                            | C_3528                 | 2     |
| capacitor, tantalum, 22uF, 10V, Kemet, T491B226k010AS                                                   |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPP, |
|                                                                                                         | C2225, C2241                                                                                                                                                                                                                                                                                                                                          |                        |       |
| 116                                                                                                     | 2371107N01                                                                                                                                                                                                                                                                                                                                            | SMT3216_1206           | 2     |
| Capacitor, 100pF, 1500Volts, 1206, AVX, 1206SC101MA1ME                                                  |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPN, |
|                                                                                                         | C802, C803                                                                                                                                                                                                                                                                                                                                            |                        |       |
| 117                                                                                                     | 2389915C01                                                                                                                                                                                                                                                                                                                                            | C_SANYO-D3L_7_3x4_3MM  | 2     |
| capacitor, 220uF, 20%, 10v, SANYO, 10tpb220ml                                                           |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPP, |
|                                                                                                         | C2215, C2216                                                                                                                                                                                                                                                                                                                                          |                        |       |
| 118                                                                                                     | 2389962C01                                                                                                                                                                                                                                                                                                                                            | C_NICHICON_12_5X13_5MM | 2     |
| capacitor, electrolytic, 220uF, 63V, Nichicon, ucd1j221mnq1ms                                           |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPP, |
|                                                                                                         | C2210, C2211                                                                                                                                                                                                                                                                                                                                          |                        |       |
| 119                                                                                                     | 2389962C02                                                                                                                                                                                                                                                                                                                                            | C_NICHICON_10X10MM     | 1     |
| capacitor, electrolytic, 1500uF, 6.3V, Nichicon, uud0j152mnl1ms                                         |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPP, |
|                                                                                                         | C2209                                                                                                                                                                                                                                                                                                                                                 |                        |       |
| 120                                                                                                     | 2389962C03                                                                                                                                                                                                                                                                                                                                            | C_NICHICON_8X10MM      | 1     |
| capacitor, electrolytic, 470uF, 10V, Nichicon, uud1a471mnl1ms                                           |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPP, |
|                                                                                                         | C2208                                                                                                                                                                                                                                                                                                                                                 |                        |       |
| 121                                                                                                     | 2389962C04                                                                                                                                                                                                                                                                                                                                            | C_NICHICON_5X5_8MM     | 1     |
| capacitor, electrolytic, 22uF, 16V, Nichicon, uud1c220mcl1ms                                            |                                                                                                                                                                                                                                                                                                                                                       |                        | CAPP, |
|                                                                                                         | C2207                                                                                                                                                                                                                                                                                                                                                 |                        |       |
| 122                                                                                                     | 2414015B02                                                                                                                                                                                                                                                                                                                                            | SMT2012_0805           | 2     |
| inductor, 68nH, 2%, 0805, Coilcraft, 0805CS-680XGLC                                                     |                                                                                                                                                                                                                                                                                                                                                       |                        | COIL, |
|                                                                                                         | L1118, L1119                                                                                                                                                                                                                                                                                                                                          |                        |       |
| 123                                                                                                     | 2414015B05                                                                                                                                                                                                                                                                                                                                            | SMT2012_0805           | 4     |
| inductor, 120nH, 2%, 0805, Coilcraft, 0805CS-121XGLC                                                    |                                                                                                                                                                                                                                                                                                                                                       |                        | COIL, |
|                                                                                                         | L925, L926, L1116, L1117                                                                                                                                                                                                                                                                                                                              |                        |       |
| 124                                                                                                     | 2414015B13                                                                                                                                                                                                                                                                                                                                            | SMT2012_0805           | 6     |
| inductor, 680nH, 2%, 0805, Coilcraft, 0805CS-681XGBC                                                    |                                                                                                                                                                                                                                                                                                                                                       |                        | COIL, |
|                                                                                                         | L962, L1080, L1081, L1111, L1112, L1113                                                                                                                                                                                                                                                                                                               |                        |       |
| 125                                                                                                     | 2414015B18                                                                                                                                                                                                                                                                                                                                            | SMT2012_0805           | 3     |
| inductor, 56nH, 2%, 0805, Coilcraft, 0805CS-560XGLC                                                     |                                                                                                                                                                                                                                                                                                                                                       |                        | COIL, |
|                                                                                                         | L943, L957, L1084                                                                                                                                                                                                                                                                                                                                     |                        |       |
| 126                                                                                                     | 2414015B22                                                                                                                                                                                                                                                                                                                                            | SMT2012_0805           | 4     |
| inductor, 270nH, 2%, 0805, Coilcraft, 0805CS-271XGL                                                     |                                                                                                                                                                                                                                                                                                                                                       |                        | COIL, |
|                                                                                                         | L913, L914, L1046, L1050                                                                                                                                                                                                                                                                                                                              |                        |       |
| 127                                                                                                     | 2414015B26                                                                                                                                                                                                                                                                                                                                            | SMT2012_0805           | 3     |
| inductor, 330nH, 2%, 0805, Coilcraft, 0805CS-331XGLC                                                    |                                                                                                                                                                                                                                                                                                                                                       |                        | COIL, |
|                                                                                                         | L912, L1022, L1049                                                                                                                                                                                                                                                                                                                                    |                        |       |

| bill_of_materials                                                       |                                                                             |                          |    |       |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------|----|-------|
| 128                                                                     | 2414017N06                                                                  | SMT1608_0603             | 2  | COIL, |
| inductor, 3.3nH, +/- .3nH, 0603, TOKO, LL1608-FSL3N3S                   |                                                                             |                          |    |       |
|                                                                         | L1126, L1127                                                                |                          |    |       |
| 129                                                                     | 2414017N08                                                                  | SMT1608_0603             | 2  | COIL, |
| inductor, 4.7nH, 1A, +/- .3nH, 0603, TOKO, LL1608-FSL4N7S               |                                                                             |                          |    |       |
|                                                                         | L973, L1128                                                                 |                          |    |       |
| 130                                                                     | 2414017P07                                                                  | SMT1005_0402             | 5  | COIL, |
| inductor, 3.3nH, +/- .3nH, 0402, TOKO, LL1005-FHL3N3S                   |                                                                             |                          |    |       |
|                                                                         | L1067, L1085, L1099, L1100, L1114                                           |                          |    |       |
| 131                                                                     | 2471459N01                                                                  | SMT1608_0603             | 2  | COIL, |
| inductor, 750ohms @ 100MHz, 400mA max, 25%, Wurth Elektronik, 742792656 |                                                                             |                          |    |       |
|                                                                         | L1133, L1134                                                                |                          |    |       |
| 132                                                                     | 2475304A02                                                                  | SMT1608_0603             | 1  | COIL, |
| inductor, 3.6nH, 5%, 2.3a, Coilcraft, 0603hc-3n6xj1w                    |                                                                             |                          |    |       |
|                                                                         | L972                                                                        |                          |    |       |
| 133                                                                     | 2489647C01                                                                  | XFMR_HALO_N2             | 1  |       |
| SAL_10BASE-T_XFMR, Ethernet Transformer, HALO, tg110-so55n2             |                                                                             |                          |    |       |
|                                                                         | T800                                                                        |                          |    |       |
| 134                                                                     | 2489678C08                                                                  | IND_2520                 | 7  | COIL, |
| inductor, 8.2uH, 10%, 2520, TOKO, #FSLM2520-8R3J=P2                     |                                                                             |                          |    |       |
|                                                                         | L953, L954, L955, L956, L1089, L1101, L1102                                 |                          |    |       |
| 135                                                                     | 2489711L34                                                                  | IND_1005WW               | 5  | COIL, |
| inductor, 18nH, 5%, 0402, MURATA, LQW15AN18NJ00                         |                                                                             |                          |    |       |
|                                                                         | L994, L995, L1055, L1068, L1070                                             |                          |    |       |
| 136                                                                     | 2489905C01                                                                  | IND_WE-PD4_12_7X10MM     | 1  | COIL, |
| power-choke inductor, 1uH, 20%, Wurth Elektronik, 7445601               |                                                                             |                          |    |       |
|                                                                         | L1109                                                                       |                          |    |       |
| 137                                                                     | 2489905C02                                                                  | IND_WE-PD3_18_54X15_24MM | 3  | COIL, |
| power-choke inductor, 15uH, 20%, Wurth Elektronik, 74459115             |                                                                             |                          |    |       |
|                                                                         | L1106, L1107, L1108                                                         |                          |    |       |
| 138                                                                     | 2489913C01                                                                  | IND_COILCRAFT-0805PS     | 1  | COIL, |
| power inductor, 1uH, 10%, Coilcraft, 0805ps-102kl                       |                                                                             |                          |    |       |
|                                                                         | L1110                                                                       |                          |    |       |
| 139                                                                     | 2489924C01                                                                  | C_SANYO-D3L_7_3x4_3MM    | 3  | CAPP, |
| capacitor, 220uF, 20%, 6v, Sanyo, TPB220ML                              |                                                                             |                          |    |       |
|                                                                         | C2212, C2213, C2214                                                         |                          |    |       |
| 140                                                                     | 2489946C01                                                                  | IND_1005WW               | 11 | COIL, |
| inductor, 10nH, +/-5%, 0402, MURATA, LQW15AN10NJ00                      |                                                                             |                          |    |       |
|                                                                         | L1026, L1027, L1060, L1062, L1063, L1096, L1097, L1098, L1121, L1129, L1130 |                          |    |       |
| 141                                                                     | 2489946C03                                                                  | IND_1005WW               | 6  | COIL, |
| inductor, 15nH, +/-5%, 0402, MURATA, LQW15AN15NJ00                      |                                                                             |                          |    |       |
|                                                                         | L1056, L1057, L1058, L1059, L1071, L1079                                    |                          |    |       |
| 142                                                                     | 2489946C04                                                                  | IND_1005WW               | 1  | COIL, |
| inductor, 1.5nH, +/-0.5nH, 0402, MURATA, LQW15AN15ND00                  |                                                                             |                          |    |       |
|                                                                         | L1094                                                                       |                          |    |       |
| 143                                                                     | 2489946C09                                                                  | IND_1005WW               | 2  | COIL, |
| inductor, 2.7nH, +/-0.2nH, 0402, MURATA, LQW15AN2N7C00                  |                                                                             |                          |    |       |
|                                                                         | L1093, L1120                                                                |                          |    |       |
| 144                                                                     | 2489946C14                                                                  | IND_1005WW               | 10 | COIL, |
| inductor, 68nH, +/-5%, 0402, MURATA, LQW15AN68NJ00                      |                                                                             |                          |    |       |
|                                                                         | L979, L980, L981, L982, L983, L985, L1047, L1048, L1103, L1125              |                          |    |       |
| 145                                                                     | 2489946C15                                                                  | IND_1005WW               | 3  | COIL, |
| inductor, 7.5nH, +/-5%, 0402, MURATA, LQW15AN7N5J00                     |                                                                             |                          |    |       |
|                                                                         | L996, L997, L1078                                                           |                          |    |       |
| 146                                                                     | 2571255E02                                                                  | IND_WE-TPC_4.8X4.8MM     | 2  | COIL, |
| power-choke inductor, 4.7uH, 20%, TOKO, 1123as-4r7m                     |                                                                             |                          |    |       |
|                                                                         | L1131, L1132                                                                |                          |    |       |
| 147                                                                     | 2575063H01                                                                  | XFMR_12PIN_FLYBACK       | 1  | XFMR, |
| 60uH, 60uH flyback transformer, GCi, G074280LF                          |                                                                             |                          |    |       |
|                                                                         | T807                                                                        |                          |    |       |
| 148                                                                     | 2614769F01                                                                  | CANVAS_RF_SHIELD_MOD     | 1  |       |
| RF_SHIELD, rf shield, n/a, n/a                                          |                                                                             |                          |    |       |
|                                                                         | SH1                                                                         |                          |    |       |



|                                                                                    | bill_of_materials                  |   |       |
|------------------------------------------------------------------------------------|------------------------------------|---|-------|
| 149                                                                                | 2871769N02 CON5_81_MMBX-50-0-17    | 1 | CONN, |
| PCB plug, HUBER+SUHNER, 81_mmbx-50-0-23/111_nm                                     |                                    |   |       |
| 150                                                                                | 472377-001-00 CR_SMB_403A-03       | 2 |       |
| DIODE, MURS120T3G, rectifier, ON, MURS120T3G                                       |                                    |   |       |
| 151                                                                                | 4813972M27 SOT23-6_2_9x1_6MM       | 1 | Q,    |
| NTGS3441T1G, PFET,tso6, ON-SEMICONDUCTOR, NTGS3441T1G                              |                                    |   |       |
| 152                                                                                | 4813977A56 SOD323                  | 2 |       |
| ZENER, MM3Z4V7T1G, zener, ON-SEMICONDUCTOR, MM3Z4V7T1G                             |                                    |   |       |
| 153                                                                                | 4813977M52 SOD-323                 | 2 |       |
| ZENER, MM3Z18VT1G, Zener Voltage Regulator, ON-SEMICONDUCTOR, MM3Z18VT1G           |                                    |   |       |
| 154                                                                                | 4871232L01 SMT1005_0402            | 1 | CR,   |
| , ESD suppressor, COOPER BUSSMAN, 0402ESDA-MLP7                                    |                                    |   |       |
| 155                                                                                | 4871498N01 CR_SMC_D0-214AB         | 1 |       |
| VOLT_SUPPR, SMCJ58CA, Voltage Suppressor, 58V, bidirectional, LITTELFUSE, SMCJ58CA |                                    |   |       |
| 156                                                                                | 4871843N01 Y_4PIN_DUAL_AVX-TOYOCOM | 1 | Y,    |
| 20MHZ, 20MHZ Oscillator, EPSON-TOYOCOM, TG-5005CE                                  |                                    |   |       |
| 157                                                                                | 487886-001-00 CR_SMC_D0-214AB      | 2 |       |
| SCHOTTKY1, SS32, schottky rectifier, FAIRCHILD Semiconductor, ss32                 |                                    |   |       |
| 158                                                                                | 4887532D01 SOT23_2_9X1_3MM         | 9 | CR,   |
| BAS40-04, Schottky diode, Siemens, BAS40-04-7-F                                    |                                    |   |       |
| 159                                                                                | 4889907C02 SOT523                  | 1 |       |
| ZENER, BZX84C12T, zener, DIODES INC, BZX84C12T                                     |                                    |   |       |
| 160                                                                                | 4889920C01 CR_SMC_D0-214AB         | 1 |       |
| DIODE, 30BQ100PbF, Schottky Rectifier, International Rectifier, 30BQ100BpF         |                                    |   |       |
| 161                                                                                | 4889940C01 LFCSP48G_7X7MM          | 1 |       |
| AD9511BCPZ, Clock Distribution IC, ANALOG DEVICES, AD9511BCPZ                      |                                    |   |       |
| 162                                                                                | 4889945C01 SOT23_2_9X1_3MM         | 2 |       |
| DIODE, BAV16-V, switching diode, Vishay, BAS16-V-GS08E3                            |                                    |   |       |
| 163                                                                                | 4889957C02 SOT23_2_9X1_3MM         | 1 | NPN,  |
| MMBT3904LT1G, NPN, sot-23, ON-SEMICONDUCTOR, MMBT3904LT1G                          |                                    |   |       |
| 164                                                                                | 4889961C01 SMT1608_0603            | 2 | LED,  |
| GRN, LED,Green,0603, FairchildSemiconductor, QTLP600C-AG                           |                                    |   |       |
| 165                                                                                | 4889961C03 SMT1608_0603            | 2 | LED,  |
| RED, LED,Red,0603, FairchildSemiconductor, QTLP600C-R                              |                                    |   |       |
| 166                                                                                | 4889961C05 SMT1608_0603            | 2 | LED,  |
| YEL, LED,Yellow,0603, FairchildSemiconductor, QTLP600C-Y                           |                                    |   |       |
| 167                                                                                | 498148-001-00 SMT3225_1210         | 2 | RES,  |
| resistor, .02 ohm,1%,1210, Panasonic, erj-l14kf20mu                                |                                    |   |       |
| 168                                                                                | 5115391H01 SOT23-6_2_9x1_6MM       | 1 |       |
| TK11100CSCB, Adj. Regulator, TOKO, tk11100cscb                                     |                                    |   |       |
| 169                                                                                | 5171347N01 SOIC8_RM_3X3MM          | 1 |       |
| AD7887ARM, 12-bit A to D, ANALOG DEVICES, ad7887armz-reel7                         |                                    |   |       |

|                                                                      | bill_of_materials                                                    |                     |
|----------------------------------------------------------------------|----------------------------------------------------------------------|---------------------|
| 170                                                                  | 5171442N01                                                           | MLP32G_5X5MM        |
| AC201, Transceiver, ALTIMA, ac201a1imlg                              |                                                                      | 1                   |
|                                                                      | U1261                                                                |                     |
| 171                                                                  | 5171501N01                                                           | SOT23-6_2_9x1_6MM   |
| TMP121AIDBV, Temp. Sensor, Burr-Brown (T.I.), TMP121AIDBV            |                                                                      | 1                   |
|                                                                      | U1190                                                                |                     |
| 172                                                                  | 5171670N01                                                           | SON8G_TI_CASE_DRJ   |
| TLV1117IDRJ, ADJ REGULATOR, T.I., tlv1117idrjr                       |                                                                      | 2                   |
|                                                                      | U1243, U1253                                                         |                     |
| 173                                                                  | 5171673N01                                                           | SOT23-5_2_9x1_6MM   |
| TPS79901DDCR, LINEAR REGULATOR, T.I., tps79901ddcr                   |                                                                      | 1                   |
|                                                                      | U1236                                                                |                     |
| 174                                                                  | 5171684N01                                                           | SC70-5              |
| TPS3801E18DCK, Voltage Supervisor, T.I., tps3801e18dck               |                                                                      | 1                   |
|                                                                      | U1238                                                                |                     |
| 175                                                                  | 5171685N01                                                           | FBGA672_27X27MM     |
| EP2C70F672-IO, Microprocessor, ALTERA, ep2c70f672                    |                                                                      | 1                   |
|                                                                      | U1259                                                                |                     |
| 176                                                                  | 5171686N01                                                           | SC70-6              |
| AD5611AKSZ, nanoDAC, ANALOG DEVICES, AD5611AKSZ                      |                                                                      | 1                   |
|                                                                      | U1156                                                                |                     |
| 177                                                                  | 5171689N01                                                           | CP-24_4X4MM         |
| ADF4252BCP, Synthesizer, ANALOG DEVICES, adf4252bcpz                 |                                                                      | 1                   |
|                                                                      | U1125                                                                |                     |
| 178                                                                  | 5171696N01                                                           | S0IC8               |
| UCC2813D-2, PWM, T.I., ucc2813d-2                                    |                                                                      | 1                   |
|                                                                      | U1235                                                                |                     |
| 179                                                                  | 5171774N01                                                           | SOT223-5_6_5X3_56MM |
| LP3875EMPX-ADJ, Regulator, adjustable, National, lp3875empx-adj nopb |                                                                      | 1                   |
|                                                                      | U1248                                                                |                     |
| 180                                                                  | 5171974H01                                                           | SOT223-5_6_5X3_56MM |
| LP3874EMPX-3.3, Regulator, 3.3V, National, lp3874empx-3.3 nopb       |                                                                      | 2                   |
|                                                                      | U1239, U1244                                                         |                     |
| 181                                                                  | 5171976H01                                                           | SOT89-5             |
| XC6210, LDO REGULATOR, TOREX, xc6210b332                             |                                                                      | 2                   |
|                                                                      | U1240, U1242                                                         |                     |
| 182                                                                  | 5175163H01                                                           | MLPQ16G_3X3MM       |
| LX5530, Pwr Amp, Microsemi, LX5530LQ                                 |                                                                      | 1                   |
|                                                                      | U1185                                                                |                     |
| 183                                                                  | 5185164Y01                                                           | LPCC24G_4X4MM       |
| HRF-AT4520, Digital Attenuator, Honeywell, hrf-at4520                |                                                                      | 2                   |
|                                                                      | U1191, U1192                                                         |                     |
| 184                                                                  | 5185335Y01                                                           | SC70-6              |
| MGA-81563, IF AMP-RP AMP, AGILENT, MGA-81563-TR1G                    |                                                                      | 10                  |
|                                                                      | U1107, U1108, U1109, U1144, U1145, U1146, U1187, U1188, U1189, U1216 |                     |
| 185                                                                  | 5185335Y02                                                           | SC70-6              |
| MGA-62563, LNA, AGILENT, MGA-62563                                   |                                                                      | 2                   |
|                                                                      | U1154, U1155                                                         |                     |
| 186                                                                  | 5186074W01                                                           | TRI-QUINT_CASE_MW-6 |
| CMY210, Mixer, TRI-QUINT, CMY210                                     |                                                                      | 2                   |
|                                                                      | U1197, U1198                                                         |                     |
| 187                                                                  | 5186973J03                                                           | QFN20G_TI_4_6X3_6MM |
| TPS75003, Power Management IC, T.I., tps75003rhlg4                   |                                                                      | 1                   |
|                                                                      | U1237                                                                |                     |
| 188                                                                  | 5187537D01                                                           | TQFP100_14X14MM     |
| EPM570, CPLD, ALTERA, EPM570GT100I5N                                 |                                                                      | 1                   |
|                                                                      | U1258                                                                |                     |
| 189                                                                  | 5189303C01                                                           | EASY-BGA64_10X13MM  |
| 28F640P30, 64Mbit Flash, BGA, INTEL, PC28F640P30B85                  |                                                                      | 1                   |
|                                                                      | U1262                                                                |                     |
| 190                                                                  | 5189305C01                                                           | FBGA60_8X12MM       |
| MT47H32M8BP-5E_IT_B, DDR2 SDRAM, MICRON, MT47H32M8BP-5E IT           |                                                                      | 1                   |
|                                                                      | U1256                                                                |                     |

|                                                                            | bill_of_materials                 |                       |   |
|----------------------------------------------------------------------------|-----------------------------------|-----------------------|---|
| 191                                                                        | 5189567V04                        | QFN12G_3X3MM          | 1 |
| uPG2157T5F, Switch, NEC, uPG2157T5F                                        |                                   |                       |   |
|                                                                            | SW5                               |                       |   |
| 192                                                                        | 5189567V06                        | TSON6G_1_5x1_5MM      | 1 |
| uPG2163T5N, switch, NEC, uPG2163T5N                                        |                                   |                       |   |
|                                                                            | SW6                               |                       |   |
| 193                                                                        | 5189584V04                        | SC70-6                | 5 |
| MGA-82563, PA, AGILENT, MGA-82563-TR1G                                     |                                   |                       |   |
|                                                                            | U1103, U1104, U1105, U1143, U1195 |                       |   |
| 194                                                                        | 5189679C03                        | MS8_HITTITE_3x3MM     | 1 |
| HMC188MS8, Doubler, HITTITE, HMC188MS8E                                    |                                   |                       |   |
|                                                                            | U1196                             |                       |   |
| 195                                                                        | 5189680C04                        | SOT23-5_2_9x1_6MM     | 2 |
| LP2985IM5X-3.3, Regulator, 3.3V, 150mA, National, lp2985im5x-3.3           |                                   |                       |   |
|                                                                            | U1251, U1252                      |                       |   |
| 196                                                                        | 5189918C01                        | TQFP48                | 1 |
| DAC5674, DAC, T.I., DAC5674IPHPRG4                                         |                                   |                       |   |
|                                                                            | U1070                             |                       |   |
| 197                                                                        | 5189925C01                        | SOT353                | 5 |
| 74LVC1G14, single schmidt-trigger inverter, PHILIPS, 74LVC1G14GW-G         |                                   |                       |   |
|                                                                            | U109, U1162, U1270, U1271, U1272  |                       |   |
| 198                                                                        | 5189936C01                        | MSOP10_3X3MM          | 2 |
| AD8351ARMZ, Differential Amp, ANALOG DEVICES, ad8351armz                   |                                   |                       |   |
|                                                                            | U1159, U1160                      |                       |   |
| 199                                                                        | 5189939C01                        | LFCSP48G_7X7MM        | 1 |
| AD9233, ADC, ANALOG DEVICES, AD9233BCPZ-105                                |                                   |                       |   |
|                                                                            | U1158                             |                       |   |
| 200                                                                        | 5189941C01                        | D-PAK                 | 1 |
| NMOSFET, IRFR3709ZPbF, power mosfet, International Rectifier, IRFR3709ZPbF |                                   |                       |   |
|                                                                            | Q9                                |                       |   |
| 201                                                                        | 5189941C02                        | D2PAK                 | 1 |
| NMOSFET, IRFS23N15D, smps mosfet, International Rectifier, IRFS23N15DPbF   |                                   |                       |   |
|                                                                            | Q6                                |                       |   |
| 202                                                                        | 5189964C01                        | CHIPFET-8_3_05X1_65MM | 2 |
| PMOSFET_1206-8, Si5475BDC, p-mosfet, Vishay, si5475bdc                     |                                   |                       |   |
|                                                                            | Q4, Q5                            |                       |   |
| 203                                                                        | 524669-030-00                     | SMT2012_0805          | 4 |
| inductor, 100nH, 0805, Coilcraft, 0805CS-101XGBC                           |                                   |                       |   |
|                                                                            | L910, L911, L958, L959            |                       |   |
| 204                                                                        | 525104-001-00                     | SC70-6                | 1 |
| TVS array, SEMTECH, RClamp0504F.TCT                                        |                                   |                       |   |
|                                                                            | CR916                             |                       |   |
| 205                                                                        | 527517-001-00                     | SM22B                 | 2 |
| MABACT0011, 1:4 transformer, MA-COM, mabact0011                            |                                   |                       |   |
|                                                                            | T805, T806                        |                       |   |
| 206                                                                        | 528194-001-00                     | CR_SMC_403-03         | 1 |
| DIODE, MBRS360T3G, rectifier, ON, MBRS360T3G                               |                                   |                       |   |
|                                                                            | CR911                             |                       |   |
| 207                                                                        | 529975-001-00                     | QFN6G_3X3MM           | 1 |
| MP2112DQ, step down converter, MPS, MP2112DQ-LF-Z                          |                                   |                       |   |
|                                                                            | U1241                             |                       |   |
| 208                                                                        | 5871978H01                        | FV1206-1              | 2 |
| QCN-12A, Splitter/Combiner, MINI-CIRCUITS, QCN-12A                         |                                   |                       |   |
|                                                                            | U1273, U1274                      |                       |   |
| 209                                                                        | 5889853C01                        | PLCC16_HITTITE_3X3MM  | 1 |
| HMC425LP3ETR, Attenuator, HITTITE, HMC425LP3ETR                            |                                   |                       |   |
|                                                                            | U1193                             |                       |   |
| 210                                                                        | 5889932C01                        | SOT5                  | 3 |
| AA103-72, AA103-72, Digital Attenuator, SKYWORKS, AA103-72                 |                                   |                       |   |
|                                                                            | U1161, U1200, U1267               |                       |   |
| 211                                                                        | 91010087001                       | FL_LNA_UBE_7.7x2.6MM  | 1 |
| 4965MHz LNA, 4965MHz LNA filter, UBE, A0-L533-01                           |                                   |                       |   |
|                                                                            | FL221                             |                       |   |

| bill_of_materials                                             |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----|-------|
| 212                                                           | 91010088001                                                                                                                                                                                                                                                                                                                                                                                                          | FL_IMR_UBE_7.3x3.7MM       | 3  | FL,   |
| 4965MHz IMR, 4965MHz Image-reject filter, UBE, A0-L534-01     |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | FL216, FL217, FL222                                                                                                                                                                                                                                                                                                                                                                                                  |                            |    |       |
| 213                                                           | 9115021A01                                                                                                                                                                                                                                                                                                                                                                                                           | FL_8PIN_UBE_2_5X2MM        | 1  | FL,   |
| 5700MHz, Low Pass Filter For WiMAX, UBE, A0-U067-01           |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | FL223                                                                                                                                                                                                                                                                                                                                                                                                                |                            |    |       |
| 214                                                           | 9171375L03                                                                                                                                                                                                                                                                                                                                                                                                           | SMT1608_0603               | 1  | COIL, |
| ferrite bead, 60ohm @ 100MHz, +/-25%, 0603, TDK, MPZ1608Y600B |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | L1135                                                                                                                                                                                                                                                                                                                                                                                                                |                            |    |       |
| 215                                                           | 9175061H01                                                                                                                                                                                                                                                                                                                                                                                                           | LPCC24G_4X4MM              | 2  |       |
| HMC4077LC4, Mixer, HITTITE, hmc4077lc4                        |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | U1224, U1225                                                                                                                                                                                                                                                                                                                                                                                                         |                            |    |       |
| 216                                                           | 9175062H01                                                                                                                                                                                                                                                                                                                                                                                                           | PLCC16_HITTITE_3X3MM       | 2  |       |
| HMC604LP3, LNA, HITTITE, HMC604LP3E                           |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | U1102, U1186                                                                                                                                                                                                                                                                                                                                                                                                         |                            |    |       |
| 217                                                           | 9175076H01                                                                                                                                                                                                                                                                                                                                                                                                           | FL_8PIN_3_8X3_8MM_SAWTEK   | 3  | FL,   |
| 756MHz, 756MHz Saw Filter, SAWTEK, n/a                        |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | FL218, FL219, FL220                                                                                                                                                                                                                                                                                                                                                                                                  |                            |    |       |
| 218                                                           | 9189903C02                                                                                                                                                                                                                                                                                                                                                                                                           | FL_SAWTEK_SMP-53_13_3X6_5M | 1  | FL,   |
| 854666, filter, 70MHz, SAWTEK, 854666                         |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | FL205                                                                                                                                                                                                                                                                                                                                                                                                                |                            |    |       |
| 219                                                           | 93010062001                                                                                                                                                                                                                                                                                                                                                                                                          | DUAL_MFG_VCO_9.5X9.5MM     | 1  | VCO,  |
| 2033-2133MHz, rf vco 2033-2133mhz, Mini-Circuits, MOS-2133-2+ |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | Y304                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |    |       |
| 220                                                           | 9314744F01                                                                                                                                                                                                                                                                                                                                                                                                           | DUAL_MFG_VCO_9_5X9_5MM     | 1  | VCO,  |
| 894-898MHz, vco, 894-898MHz, Mini-Circuits, MOS-898-1+        |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | Y305                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |    |       |
| 221                                                           | 9375067H01                                                                                                                                                                                                                                                                                                                                                                                                           | DUAL_MFG_VCO_9_5X9_5MM     | 1  | VCO,  |
| 826MHz, VCO, 826MHz, SIRENZA, LVCO-5424UY                     |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | Y303                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |    |       |
| 222                                                           | CA090077                                                                                                                                                                                                                                                                                                                                                                                                             | CONN10_2X5_100_MOLEX       | 3  | CONN, |
| CONNECTOR, 2X5, SQUARE POST, HEADER, 0.1 PITCH, TYCO, NA      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | J1, J2, J3                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |       |
| 223                                                           | NU-CAP0402                                                                                                                                                                                                                                                                                                                                                                                                           | SMT1005_0402               | 27 | CAPN, |
| capacitor, NU, n/a, n/a                                       |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | C907, C908, C909, C910, C911, C1845, C1850, C1928, C1929, C2048, C2075, C2076, C2077, C2078, C2079, C2219, C2432, C2459, C2460, C2480, C2481, C2506, C2507, C2511, C2514, C2515, C2516                                                                                                                                                                                                                               |                            |    |       |
| 224                                                           | NU-CAP0603                                                                                                                                                                                                                                                                                                                                                                                                           | SMT1608_0603               | 6  | CAPN, |
| capacitor, NU, n/a, n/a                                       |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | C1796, C1797, C1798, C1799, C2217, C2220                                                                                                                                                                                                                                                                                                                                                                             |                            |    |       |
| 225                                                           | NU-CAP0805                                                                                                                                                                                                                                                                                                                                                                                                           | SMT2012_0805               | 2  | CAPN, |
| capacitor, NU, n/a, n/a                                       |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | C2450, C2451                                                                                                                                                                                                                                                                                                                                                                                                         |                            |    |       |
| 226                                                           | NU-CAP1206                                                                                                                                                                                                                                                                                                                                                                                                           | SMT3216_1206               | 2  | CAPN, |
| capacitor, NU, n/a, n/a                                       |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | C1620, C1621                                                                                                                                                                                                                                                                                                                                                                                                         |                            |    |       |
| 227                                                           | NU-CAP1210                                                                                                                                                                                                                                                                                                                                                                                                           | SMT3225_1210               | 4  | CAPN, |
| capacitor, NU, n/a, n/a                                       |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | C1180, C1658, C2446, C2447                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |       |
| 228                                                           | NU-RES0402                                                                                                                                                                                                                                                                                                                                                                                                           | SMT1005_0402               | 58 | RES,  |
| resistor, NU, n/a, n/a                                        |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | R1160, R1162, R1367, R1369, R1370, R1375, R1383, R1847, R1874, R1881, R1882, R1883, R1884, R1979, R1993, R1995, R1996, R2102, R2217, R2218, R2219, R2220, R2221, R2222, R2223, R2224, R2225, R2226, R2227, R2228, R2229, R2230, R2231, R2232, R2233, R2234, R2235, R2236, R2237, R2238, R2239, R2240, R2241, R2242, R2243, R2244, R2245, R2246, R2249, R2325, R2326, R2327, R2330, R2340, R2343, R2357, R2358, R2371 |                            |    |       |
| 229                                                           | NU-RES0603                                                                                                                                                                                                                                                                                                                                                                                                           | SMT1608_0603               | 2  | RES,  |
| resistor, NU, n/a, n/a                                        |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | R2101, R2103                                                                                                                                                                                                                                                                                                                                                                                                         |                            |    |       |
| 230                                                           | NU-SS-5140-2                                                                                                                                                                                                                                                                                                                                                                                                         | CANVAS_LOGIC_SHIELD        | 1  |       |
| LOGIC_SHIELD, GORE "SNAPSHOT" logic shield, GORE, SS-5140-2   |                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |    |       |
|                                                               | SH2                                                                                                                                                                                                                                                                                                                                                                                                                  |                            |    |       |

|                                                                  | bill_of_materials |                      |       |
|------------------------------------------------------------------|-------------------|----------------------|-------|
| 231                                                              | nu-5171685N01     | FBGA672_27X27MM      | 1     |
| EP2C70F672-IO, Microprocessor, ALTERA, ep2c70f672                |                   |                      |       |
|                                                                  | U1260             |                      |       |
| 232                                                              | nu-5189305C01     | FBGA60_8X12MM        | 1     |
| MT47H32M8BP-5E_IT_B, DDR2 SDRAM, MICRON, MT47H32M8BP-5E IT:B     |                   |                      |       |
|                                                                  | U1257             |                      |       |
| 233                                                              | nu-CA090077       | CONN10_2X5_100_MOLEX | 1     |
| CONNECTOR, 2X5, SQUARE POST, HEADER, 0.1 PITCH, TYCO, 5-146130-4 |                   |                      |       |
|                                                                  | J4                |                      | CONN, |