

Service
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Service Information

New Side I/O, Top Control and Mains Switch Panel

In week 225 the following panels are introduced in the set 29PT8607:

- Mains Switch Panel **[K]**
- Side I/O Panel **[L]**
- Top Control Panel **[M]**

In this service information the (changed) schematics, PCB layouts and spare parts list are given. To use the existing Block diagrams, wiring diagrams, I²C overviews, supply line overview and chassis overview the schematics character **[E]** has to be replaced by **[K]**, **[O]** by **[L]** and **[P]** by **[M]**.

Neues Side I/O, Top Control und Mains Switch Panel

In der Woche 225 wurden folgende neue Platinen zusammen mit dem Modell 29PT8607 introduziert:

- Netzschalterplatine (Main-Switch-Panel) **[K]**
- Seitliche E/A-Platine (Side I/O-Panel) **[L]**
- Lokale Ortsbedienung (Top Control Panel) **[M]**

Mit dieser Serviceinformation werden die (änderten) zugehörigen Schaltbilder, das Platinenlayout und die Ersatzteil-Stücklisten veröffentlicht. Um die bereits bestehenden Block- und Verkabelungsdiagramme, die I²C-Bus-Übersicht sowie die Übersichten der Spannungsversorgungsleitungen bzw. der Chassisausführungen weiter nutzen zu können müssen folgenden Einzelschaltbilder ersetzt werden: Diagramm **[E]** durch Diagramm **[K]**, **[O]** durch **[L]** und Diagramm **[P]** durch **[M]**.

Nouvelles platines E/S, Commande supérieure, Platine Commutateur Secteur.

Depuis la semaine 225 les platines suivantes sont introduites dans l'appareil 29PT8607:

- Platine commutateur secteur **[K]**
- Platine E/S de coté **[L]**
- Platine de Commandes en partie supérieure **[M]**

Cette information service donne les schémas, implantations et liste des pièces correspondant. Pour utiliser les schémas bloc, de câblage, I²C, alimentation et vue d'ensemble du châssis les repères de schéma **[E]** doivent être remplacés par **[K]**, **[O]** par **[L]** et **[P]** par **[M]**.

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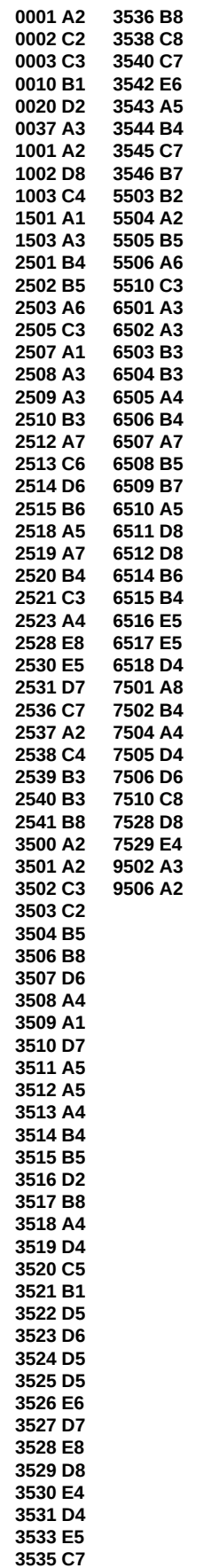


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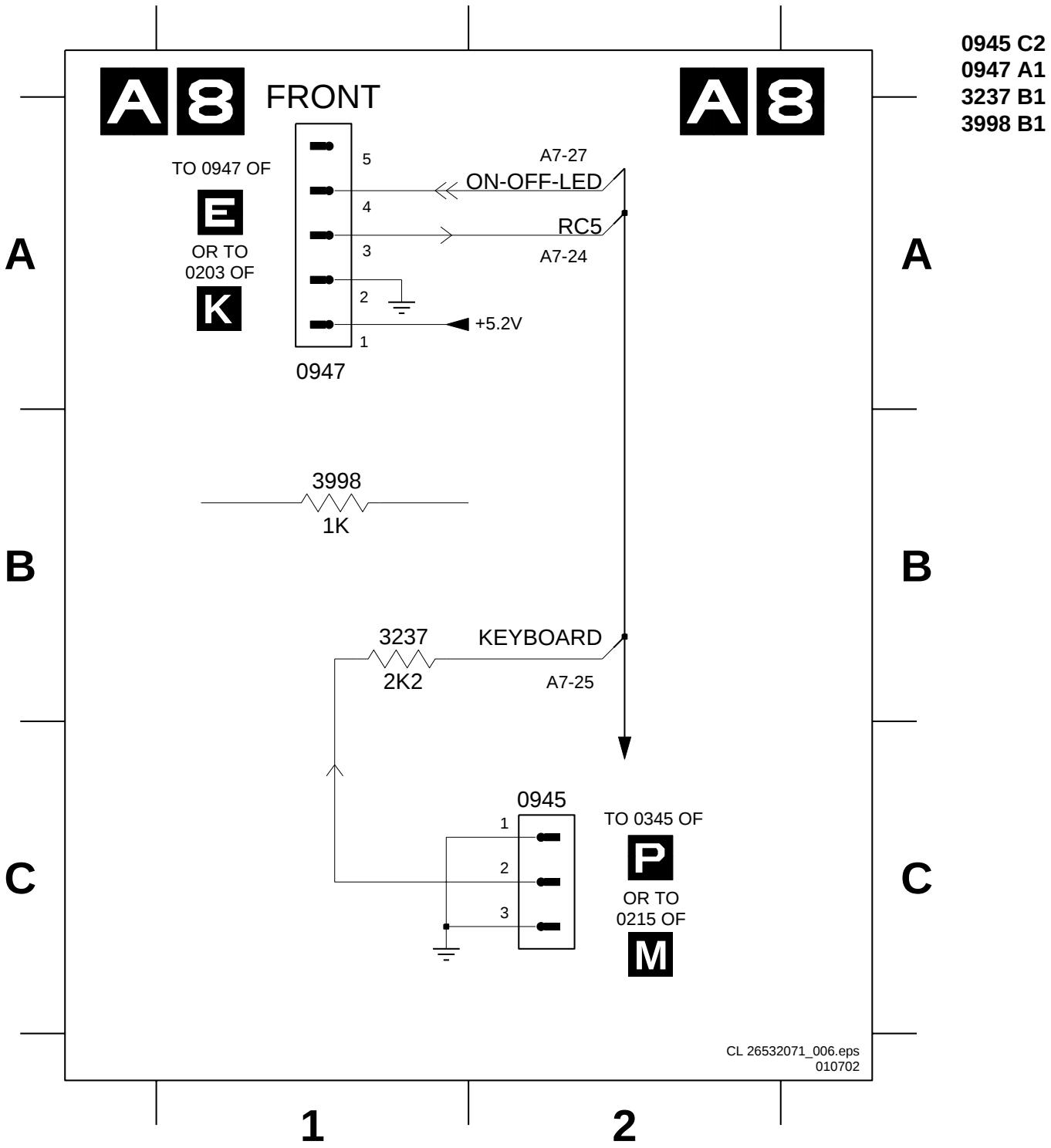
Spare parts list

Mains Switch Panel [K]	Top Control Panel [M]	
Various 0157▲ 3104 311 02421 Cable 5p 480mm 0177▲ 3104 311 03011 Cable 2p 340mm 0201 2422 025 16268 2p male 0202 2422 025 16268 2p male 0203 2422 025 06353 5p male 1910 9322 127 54667 IR receiver TSOP1836UH1 1951 2422 128 02972 Power switch	Various 0215 4822 267 10748 3P 1091 4822 276 13775 Switch 1092 4822 276 13775 Switch 1093 4822 276 13775 Switch 1094 4822 276 13775 Switch	
— — 2930 4822 124 41584 100µF 20% 10V 2931 4822 124 41796 22µF 20% 16V 2932 4822 124 11913 22nF 20% 275V	—□— 3091 4822 051 20561 560Ω 5% 0.1W 3092 4822 051 20391 390Ω 5% 0.1W 3093 4822 051 20561 560Ω 5% 0.1W 3094 4822 117 11504 270Ω 1% 0.1W 3095 4822 051 20332 3k3 5% 0.1W 3096 4822 117 11139 1k5 1% 0.1W	
—□— 3957 4822 053 21335 3.3MΩ 5% 0.5W 3966 4822 053 21335 3.3MΩ 5% 0.5W 3978 4822 051 30101 100Ω 5% 62mW 3981 4822 051 30392 3kΩ9 5% 63mW 3982 4822 116 52219 330Ω 5% 0.5W 3985 4822 117 13632 100kΩ 1% 620mW 3986 4822 051 30221 220Ω 5% 62mW 3988 4822 051 30479 47Ω 5% 62mW 3989 4822 051 30102 1kΩ 5% 62mW 3990 4822 117 13632 100kΩ 1% 620mW 3991 4822 050 11002 1kΩ 1% 0.4W	→ — 6091 4822 130 31983 BAT85 8345 4822 320 12511 3P 1500mm	
→ — 6901 9322 050 99682 LTL-10224WHCR 6954 4822 130 30621 1N4148		
⊗ □ 7900 3198 010 42320 BC857BW 7901 3198 010 42310 BC847BW 7902 4822 130 11418 TCDT1102G		
Side I/O panel [L]		
Various 0240 2422 025 12485 Conn 11P 1254 4822 267 31014 Headphone socket 1255 4822 265 11606 Conn 3P		
— — 2286 4822 122 33642 150pF 5% 50V 2288 4822 122 33642 150pF 5% 50V 2292 5322 122 32311 470pF 10% 100V 2294 5322 122 32311 470pF 10% 100V 2296 4822 122 30043 10nF 80% 63V 2297 4822 122 30043 10nF 80% 63V		
—□— 3285 4822 116 52201 75Ω 5% 0.5W 3286 4822 116 52176 10Ω 5% 0.5W 3287 4822 116 52201 75Ω 5% 0.5W 3288 4822 116 52176 10Ω 5% 0.5W 3289 4822 116 52249 1k8 5% 0.5W 3291 4822 050 11002 1k 1% 0.4W 3292 4822 117 10834 47k 1% 0.1W 3293 4822 050 11002 1k 1% 0.4W 3294 4822 117 10834 47k 1% 0.1W 3295 4822 116 52276 3k9 5% 0.5W 3296 4822 117 10833 10k 1% 0.1W 3297 4822 117 10833 10k 1% 0.1W		
→ — 6291 9340 548 61115 PDZ12B 6292 9340 548 61115 PDZ12B 6293 9340 548 61115 PDZ12B 6294 9340 548 61115 PDZ12B		

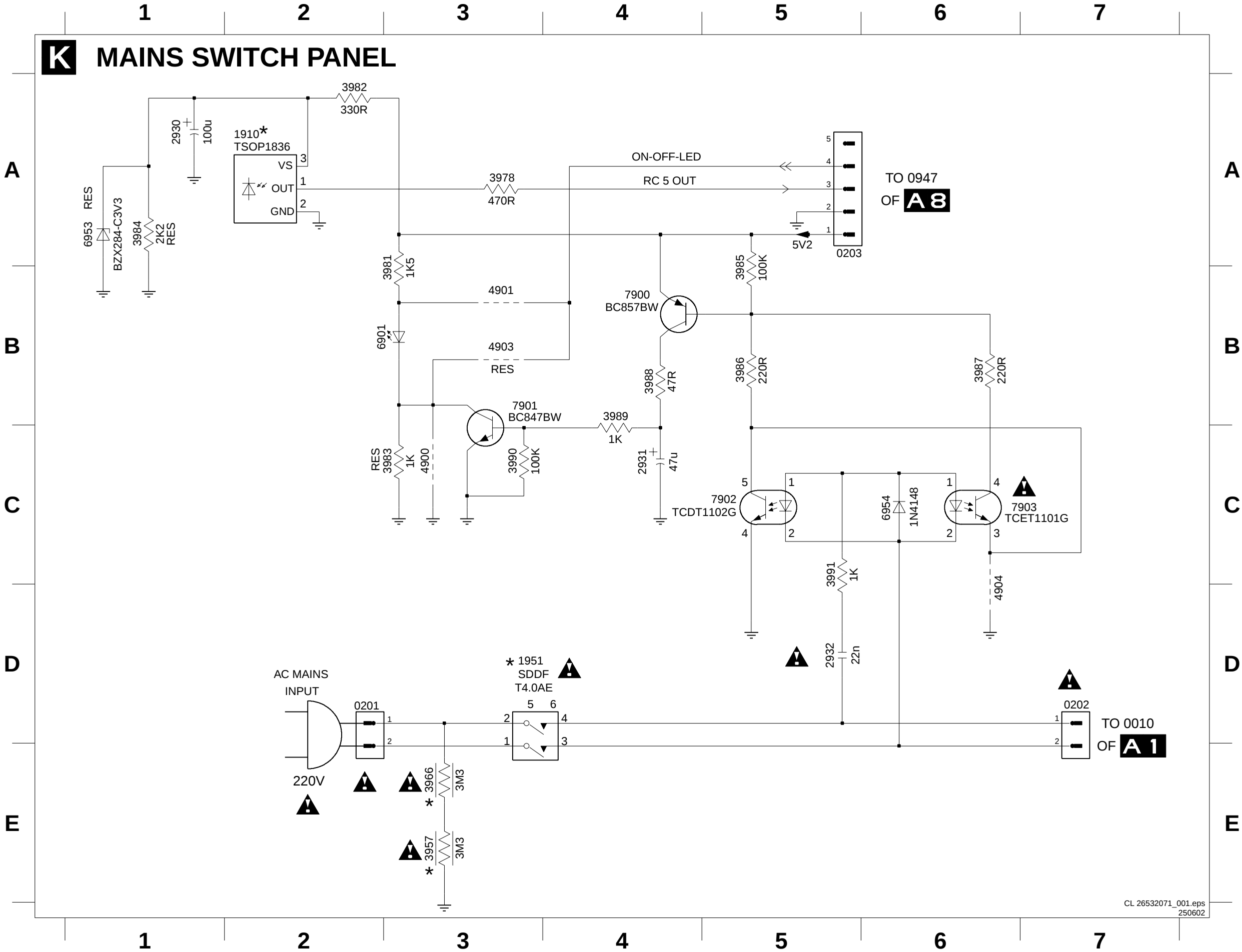
Large Signal Panel: Main Supply



Large Signal Panel: Front

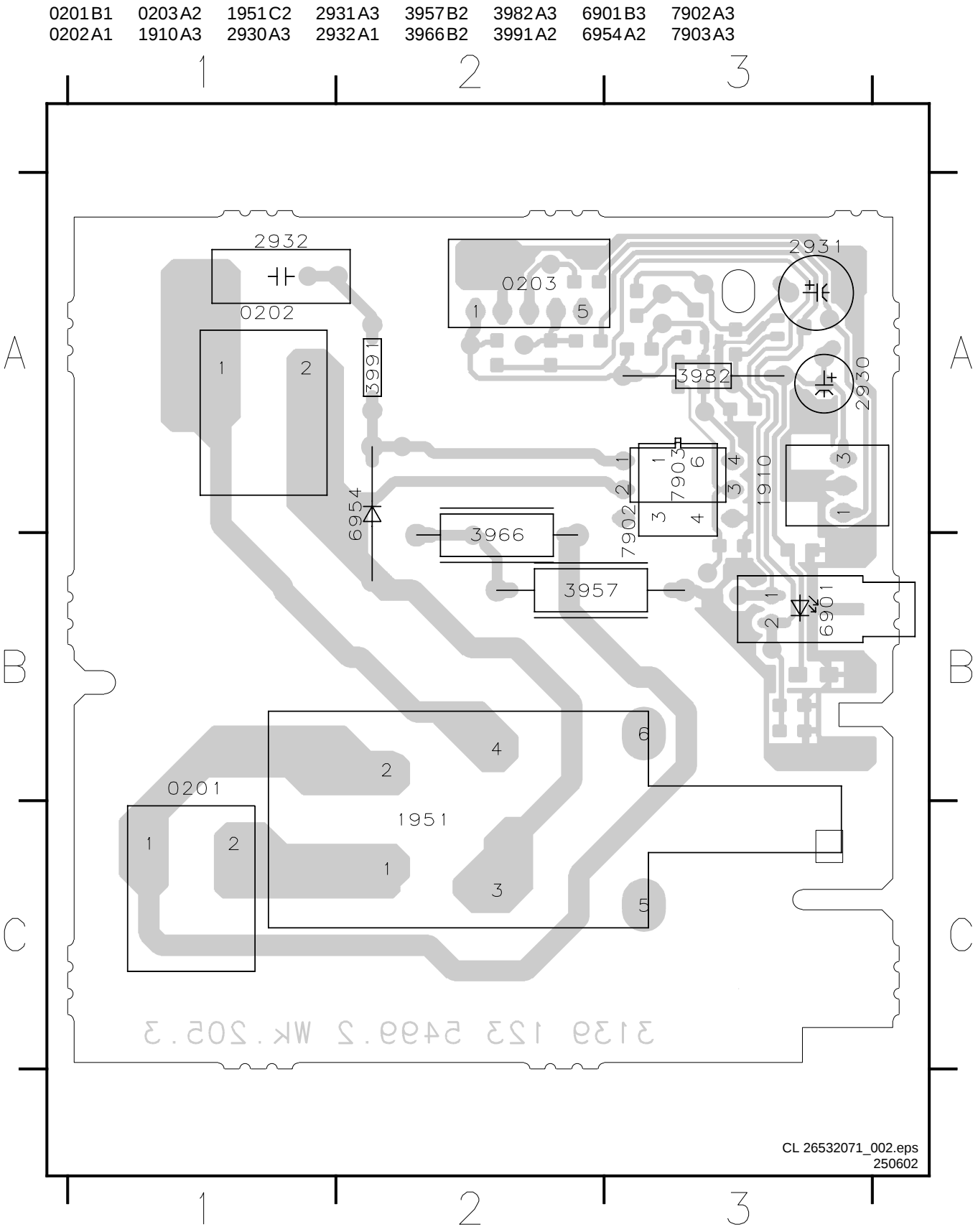


Mains Switch Panel

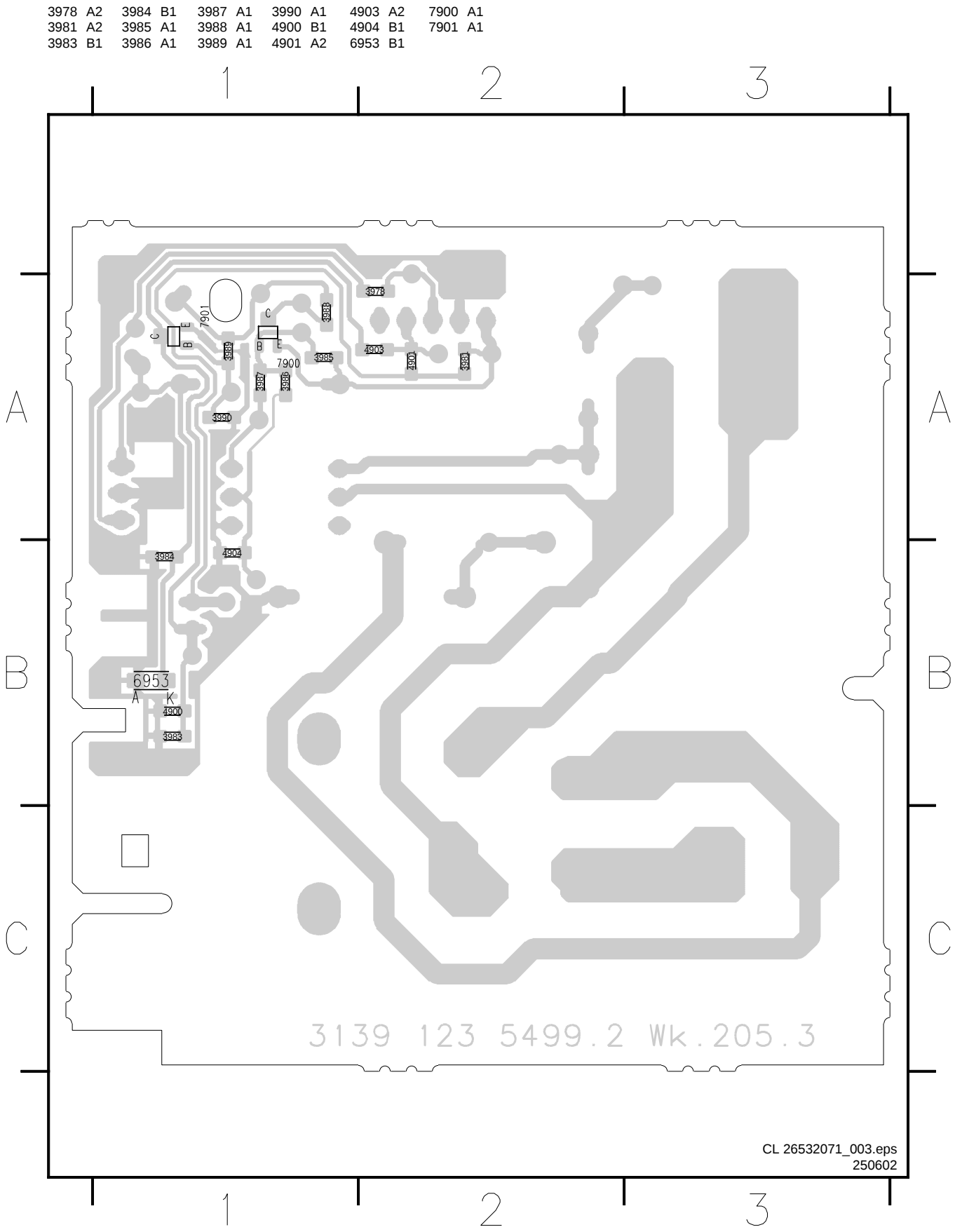


- 0201 D2
- 0202 D7
- 0203 A5
- 1910 A2
- 1951 D3
- 2930 A1
- 2931 C4
- 2932 D5
- 3957 E3
- 3966 E3
- 3978 A3
- 3981 B3
- 3982 A2
- 3983 C3
- 3984 A1
- 3985 B5
- 3986 B5
- 3987 B6
- 3988 B4
- 3989 B4
- 3990 C3
- 3991 C5
- 4900 C3
- 4901 B3
- 4903 B3
- 4904 D6
- 6901 B3
- 6953 A1
- 6954 C6
- 7900 B4
- 7901 B3
- 7902 C5
- 7903 C6
- F903 D3
- F904 D6
- F905 D3
- F906 D6
- F907 A5
- F908 A5
- F909 A5
- F910 C2
- I901 A1
- I902 B3
- I903 A2
- I904 B2
- I905 E3
- I906 B5
- I907 B4
- I908 B5
- I909 C6
- I910 C4
- I911 C4
- I912 C6
- I913 A5
- I914 D5
- I915 E3

Layout Mains Switch Panel (Top Side)



Layout Mains Switch Panel (Bottom Side)



L SIDE IO PANEL

The schematic diagram illustrates the internal circuitry of the A7 board, which interfaces with the 0936 OF connector. The board is divided into four vertical sections, labeled 1 through 4 at the top and bottom.

- Section 1:** Contains input connectors for S_VHS, VIDEO IN, LEFT, RIGHT, and HEADPHONE. It includes components like YKF51-5347, YKC21-5599, and YKB21-5101A.
- Section 2:** Features signal processing components such as SG01, SG02, SG03, SG04, SG05, SG06, and SG07, along with resistors (3285, 3286, 3287, 3288, 3289, 3291, 3292, 3293, 3294, 3295, 3296, 3297) and capacitors (2286, 2288, 2292, 2294, 2296, 2297).
- Section 3:** Includes a central processing unit (C) and various signal lines connecting to the 0936 OF connector.
- Section 4:** Contains the 0936 OF connector (EH-B 0240) with pins 1 through 11. The connector is labeled "TO 0936 OF A7".

The diagram shows a complex network of connections between these components, including signal paths, ground connections, and power supply lines. The components are labeled with their respective part numbers and values.

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250602

CL26532071_007.eps
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Personal Notes:

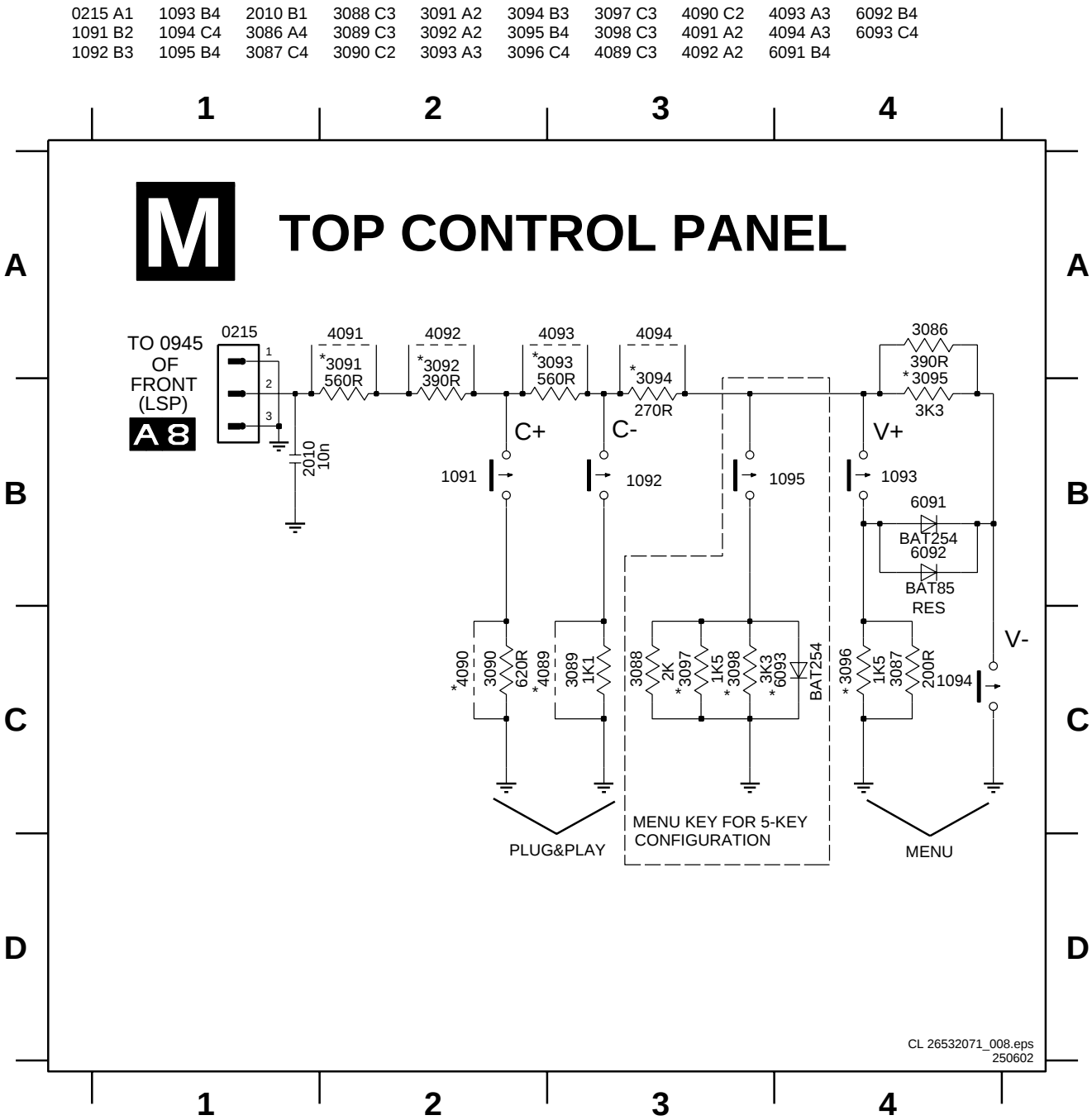
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Technical drawing of a PCB layout for a 1254 component. The drawing includes a coordinate grid with letters A, B, C, D and numbers 1, 2, 3, 4, 5, 6, 7, 8, 9. Various components are labeled with numbers and symbols, including 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 191

0	2	4	0	C	1
0	2	4	1	A	1
0	2	4	2	A	1
1	2	5	4	D	1
1	2	5	5	C	1
1	2	5	6	A	1
2	2	8	6	B	1
2	2	8	8	A	1
2	2	9	9	B	1
2	2	9	2	C	1
2	2	9	6	C	1
2	2	9	7	D	1
3	2	8	5	B	1
3	2	8	6	B	1
3	2	8	7	B	1
3	2	8	8	A	1
3	2	8	9	A	1
3	2	9	1	C	1
3	2	9	3	C	1
3	2	9	5	C	1
9	2	3	1	C	1
9	2	3	2	D	1

3	2	9	2	B	1
3	2	9	4	C	1
3	2	9	6	D	1
3	2	9	7	D	1
4	2	0	1	B	1
4	2	0	2	A	1
4	2	4	1	B	1
4	2	4	2	2243	D 1
4	2	4	3	C	1
6	2	9	1	C	1
6	2	9	2	D	1
6	2	9	3	D	1
6	2	9	4	D	1

Top Control Panel



Layout Top Control Panel

