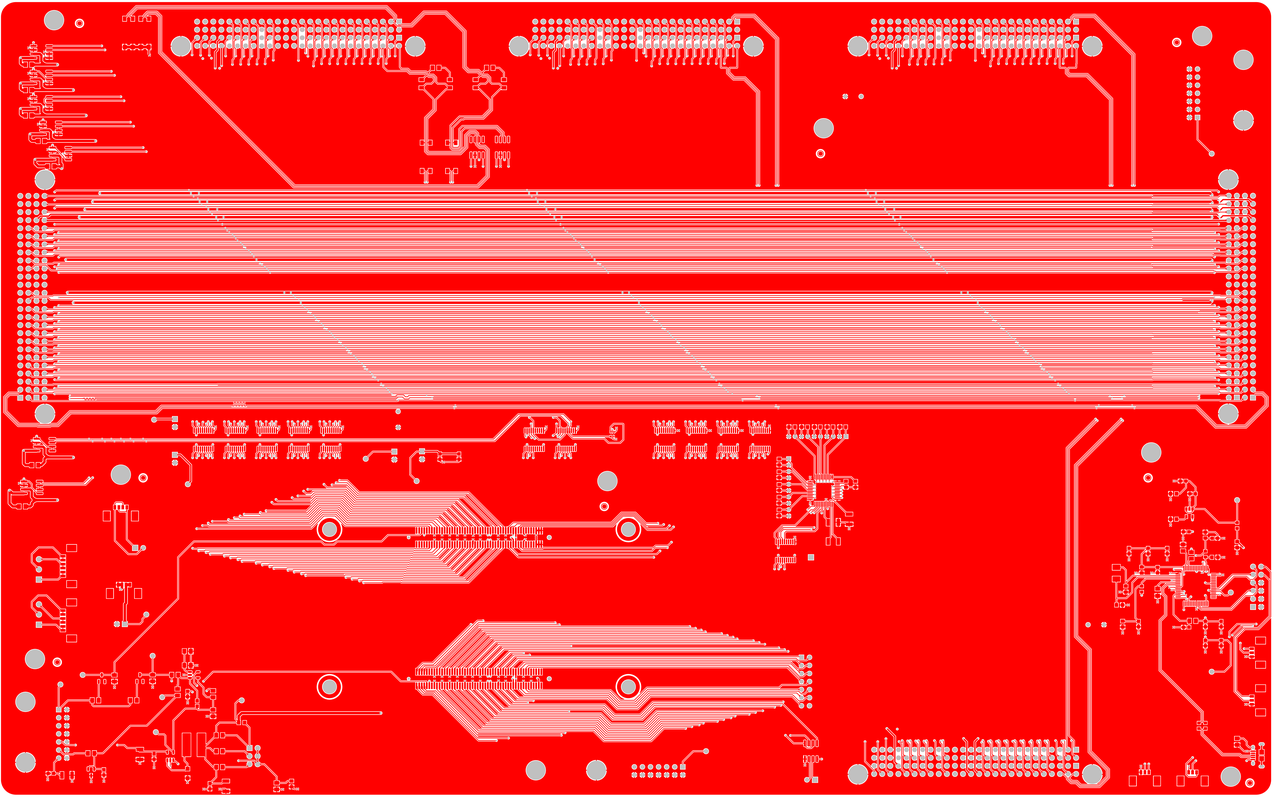
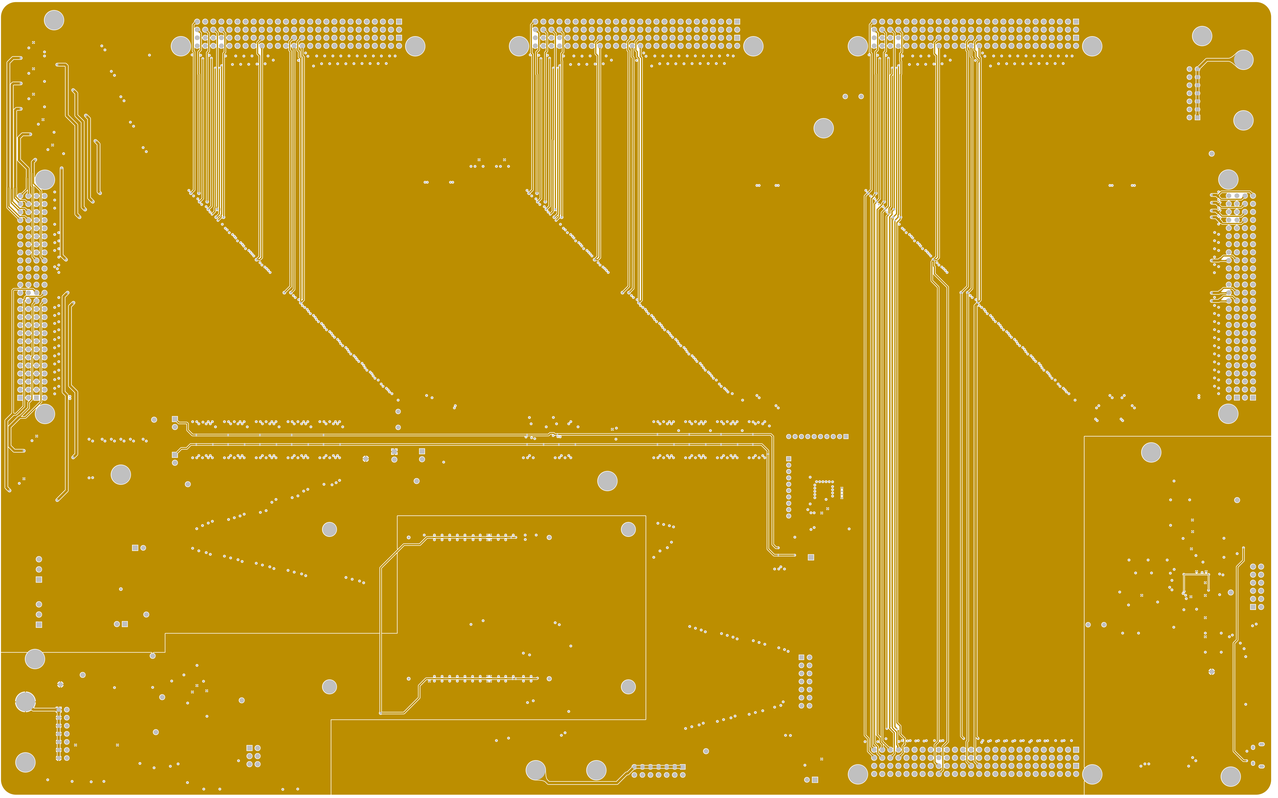




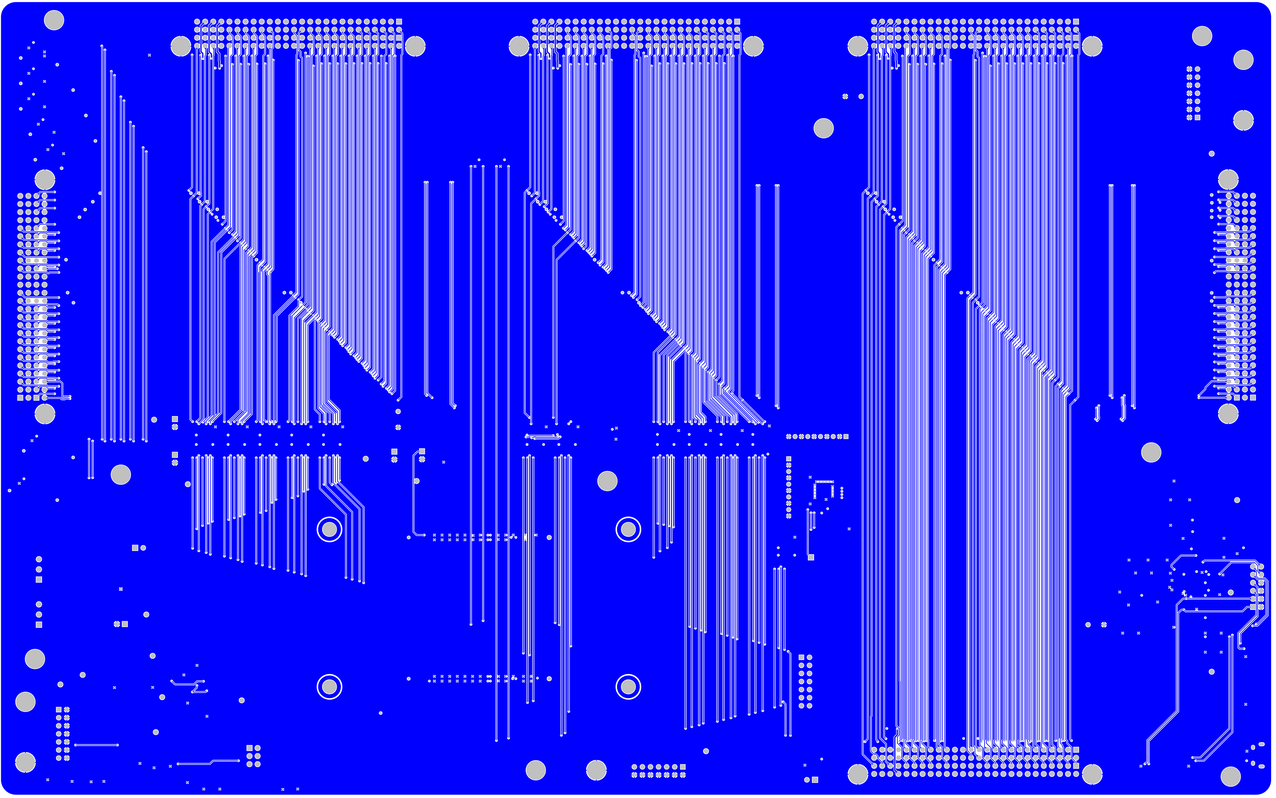
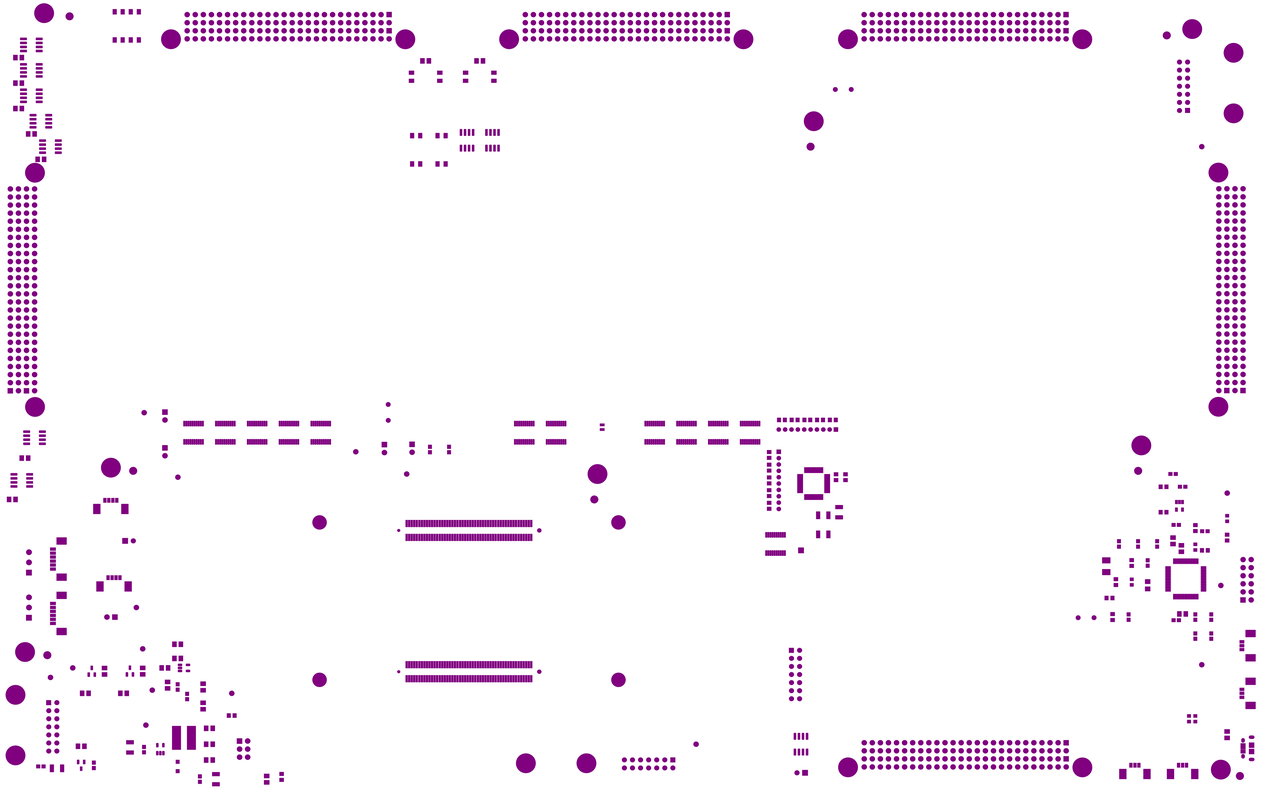
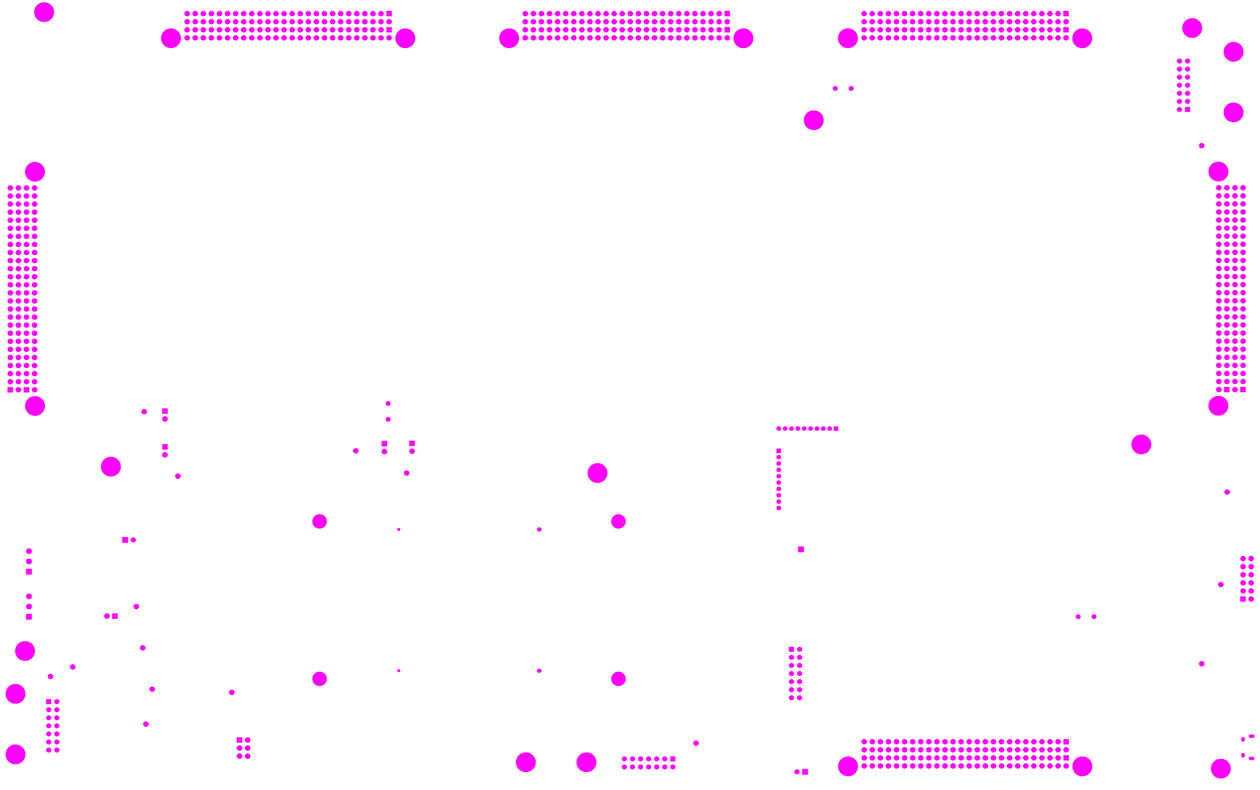


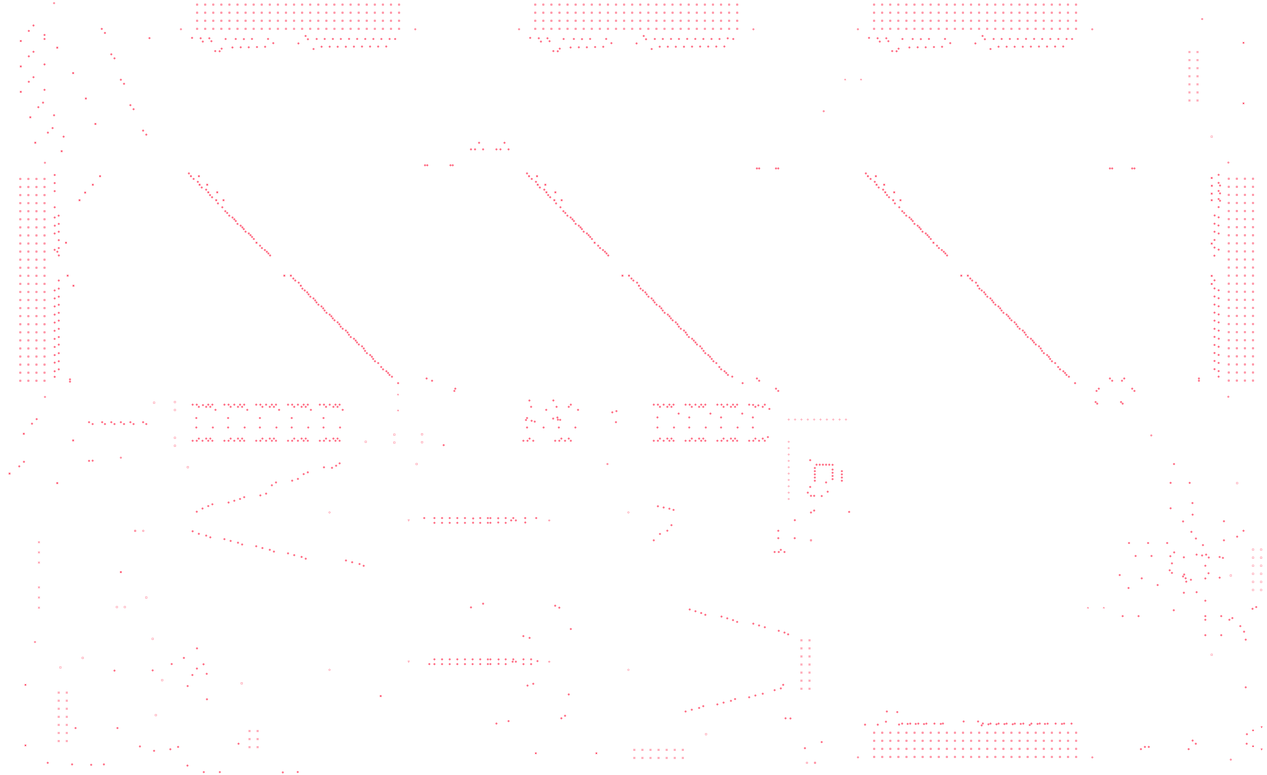
Table of non-configurable PC104 pins

| H1 | FUNCTION | H2 | FUNCTION |
|---|---|---|---|
| 1 | CAN1_CHN_1 | 2 | CAN1_CHN_2 |
| 3 | CAN1_CHN_1 | 6 | CAN1_CHN_2 |
| 29 | GND | 25 | PAYLOADS_VCC |
| 30 | GND | 26 | PAYLOADS_VCC |
| 31 | GND | 27 | EPS_BE_VCC |
| 32 | GND | 28 | EPS_BE_VCC |
| 41 | SDA_CHN_1 | 29 | GND |
| 43 | SCL_CHN_1 | 30 | GND |
| 45 | OBDH_VCC | 31 | GND |
| 46 | OBDH_VCC | 32 | GND |
| 47 | EDC_VCC | 35 | ANT_VCC |
| 48 | EDC_VCC | 36 | ANT_VCC |
| 49 | RD_VCC | 45 | BAT_VCC |
| 50 | RD_VCC | 46 | BAT_VCC |
| 51 | BE_RF_VCC | 49 | SDA_CHN_2 |
| 52 | BE_RF_VCC | 51 | SCL_CHN_2 |





CN13
CN8
CN7
CN6
CN9
CN5
CN3
CN4
CN15
CN1
CN2
CN12
CN11
CN10
CN14
U28
CN16
CN17
CN18
CN19
CN20
CN21
CN22
CN23
CN24
CN25



| Symbol | Count | Hole Size | Plated | Hole Type | Drill Layer Pair | Via/Pad | Pad Shape | Template | Description | Hole Tolerance (+) | Hole Tolerance (-) | Hole Length | Routed Path Length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 19,69mil (0,500mm) | PTH | Slot | Top Layer - Bottom Layer | Pad | Rounded | r90_160h50_120r100m0mx0 | | | | 47,24mil (1,200mm) | 27,56mil (0,700mm) |
| | 2 | 21,65mil (0,550mm) | PTH | Slot | Top Layer - Bottom Layer | Pad | Rounded | r125_95h55_85r100m0mx0 | | | | 33,47mil (0,850mm) | 11,81mil (0,300mm) |
| | 2 | 32,01mil (0,813mm) | NPTH | Round | Top Layer - Bottom Layer | Pad | Rounded | c76h81m0mx0 | | | | - | - |
| | 2 | 35,04mil (0,890mm) | PTH | Round | Top Layer - Bottom Layer | Pad | Rounded | c140h89m0mx0 | | | | - | - |
| | 2 | 47,99mil (1,219mm) | NPTH | Round | Top Layer - Bottom Layer | Pad | Rounded | c117h122m0mx0 | | | | - | - |
| | 4 | 125,00mil (3,175mm) | PTH | Round | Top Layer - Bottom Layer | Pad | Rounded | c432h318m0mx0 | | | | - | - |
| | 6 | 32,28mil (0,820mm) | PTH | Round | Top Layer - Bottom Layer | Pad | Rounded | c132h82m0mx0 | | | | - | - |
| | 6 | 42,13mil (1,070mm) | PTH | Round | Top Layer - Bottom Layer | Pad | (Mixed) | (Mixed) | | | | - | - |
| | 6 | 177,17mil (4,500mm) | PTH | Round | Top Layer - Bottom Layer | Pad | Rounded | c600h450m0mx0 | | | | - | - |
| | 20 | 27,99mil (0,711mm) | PTH | Round | Top Layer - Bottom Layer | Pad | (Mixed) | (Mixed) | | | | - | - |
| | 20 | 125,98mil (3,200mm) | PTH | Round | Top Layer - Bottom Layer | Pad | Rounded | c600h320m0mx0 | | | | - | - |
| | 38 | 39,37mil (1,000mm) | PTH | Round | Top Layer - Bottom Layer | Pad | (Mixed) | (Mixed) | | | | - | - |
| | 62 | 40,16mil (1,020mm) | PTH | Round | Top Layer - Bottom Layer | Pad | (Mixed) | (Mixed) | | | | - | - |
| | 66 | 17,72mil (0,450mm) | PTH | Round | Top Layer - Bottom Layer | Via | Rounded | v76h45m0mx0 | | | | - | - |
| | 627 | 35,43mil (0,900mm) | PTH | Round | Top Layer - Bottom Layer | Pad | (Mixed) | (Mixed) | | | | - | - |
| | 1073 | 11,81mil (0,300mm) | PTH | Round | Top Layer - Bottom Layer | Via | Rounded | v51h30m0mx0 | | | | - | - |
| | 1938 Total | | | | | | | | | | | | |

**Slot definitions :** **Routed Path Length** = Calculated from tool start centre position to tool end centre position.
**Hole Length** = Routed Path Length + Tool Size = Slot length as defined in the PCB layout