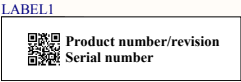
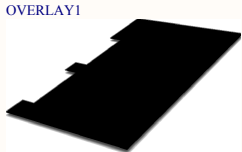
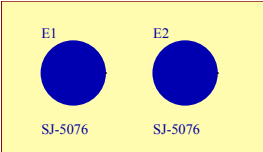
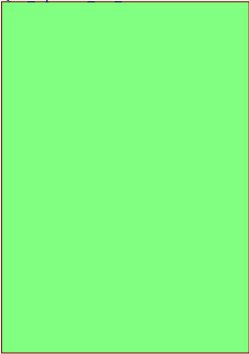
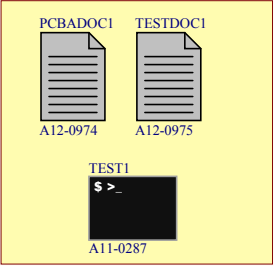
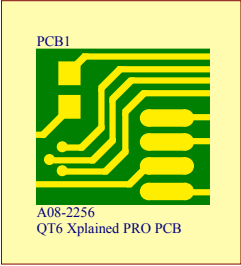



Surface
QT6_Xplained_Pro_Surface.SchDoc

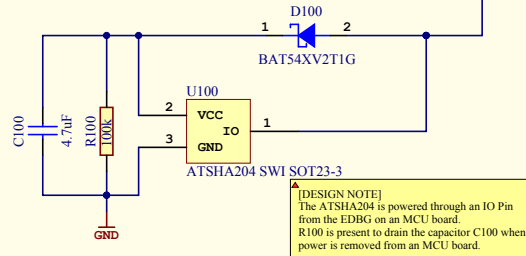


PCBA Label



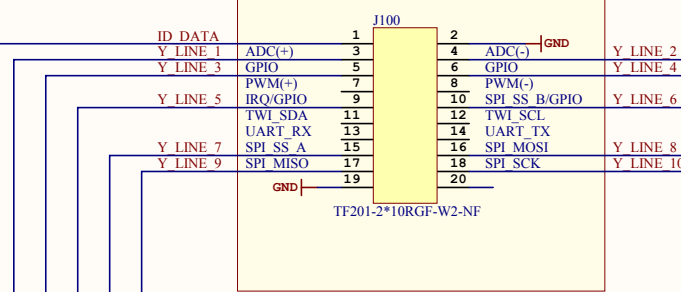
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|----------------------------------|----------|------------|---|--------|--|
| ATMEL India | RC, MSK | |  | | |
| Perungudi | * | | | | |
| Chennai | * | | | | |
| INDIA | | | | | |
| Date: | 2/3/2015 | 4:01:58 PM | PAGE: | 1 of 2 | |
| Document number: | A09-2443 | | Revision | 2 | |
| TITLE: Top Level | | | | | |
| QT6_Xplained_Pro_TopLevel.SchDoc | | | | | |

Extension Identification

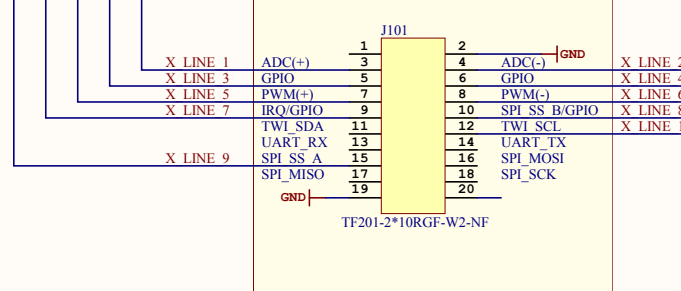


[DESIGN NOTE]
The ATSHA204 is powered through an IO Pin from the EDBG on an MCU board.
R100 is present to drain the capacitor C100 when power is removed from an MCU board.

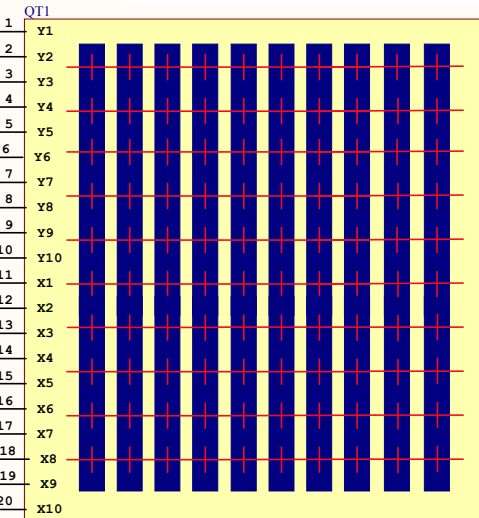
Standard Extension Header (Female)




Standard Extension Header (Female)



Y Line thickness is 0.2mm

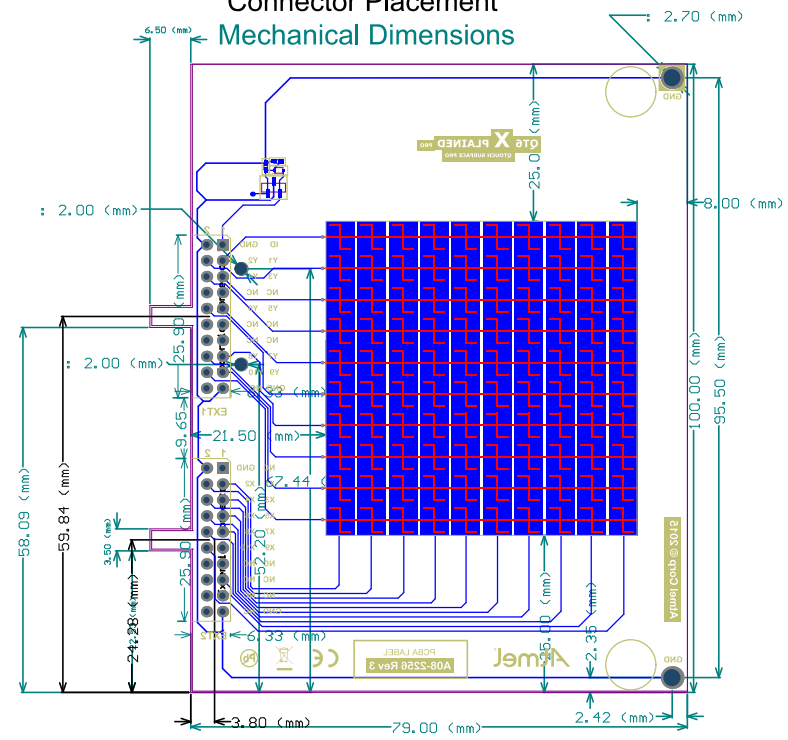


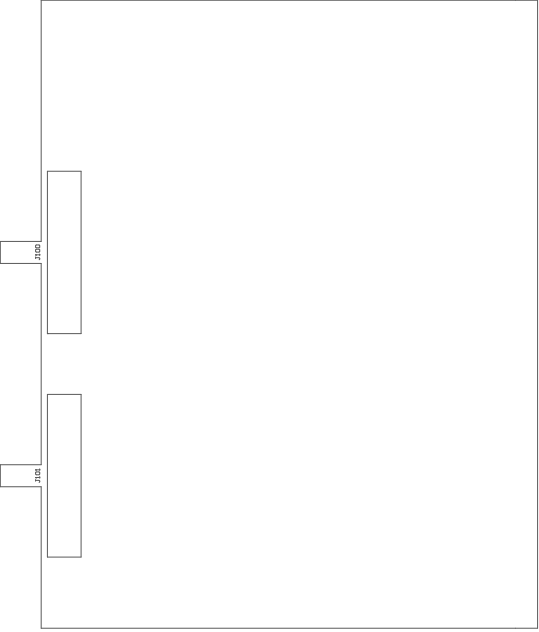
QTouch Surface Sensor 10Yx10X

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|---------------------------------|----------|------------|---|--------|
| ATMEL India | RC, MSK | |  | |
| Perungudi | * | | | |
| Chennai | * | | | |
| INDIA | | | | |
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| Document number: | A09-2443 | | Revision | 2 |
| TITLE: Surface | | | | |
| QT6_Xplained_Pro_Surface.SchDoc | | | | |

Connector Placement

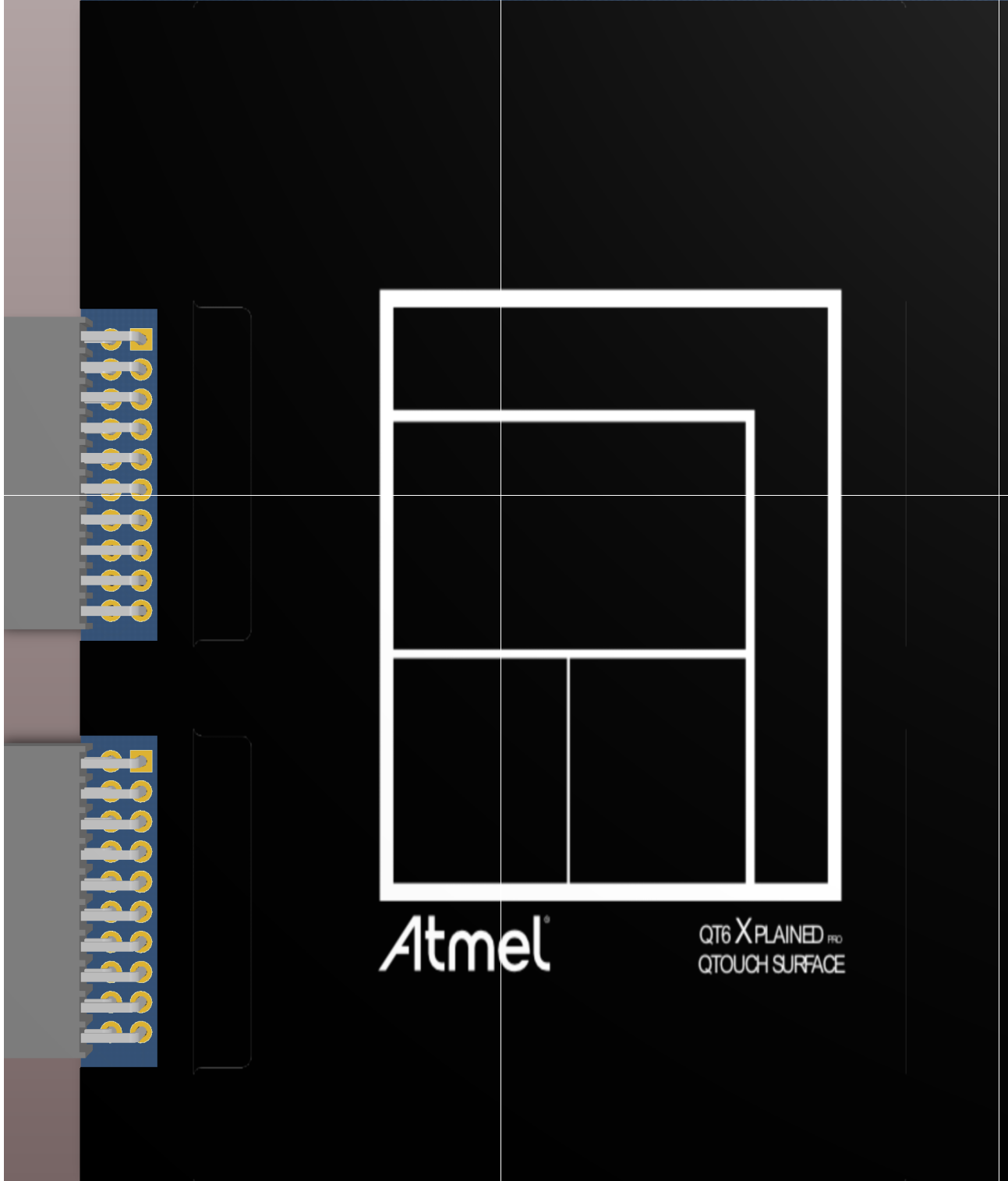
Mechanical Dimensions





1100

1101





QT6 **X** PLAINED PRO
QTOUCH SURFACE PRO



| | | 1 | 2 |
|-----|-----|---|---|
| ID | GND | | |
| Y1 | Y2 | | |
| Y3 | Y4 | | |
| NC | NC | | |
| Y5 | Y6 | | |
| NC | NC | | |
| NC | NC | | |
| Y7 | Y8 | | |
| Y9 | Y10 | | |
| GND | NC | | |

EXT1

| | | 1 | 2 |
|-----|-----|---|---|
| NC | GND | | |
| X1 | X2 | | |
| X3 | X4 | | |
| X5 | X6 | | |
| X7 | X8 | | |
| X9 | X10 | | |
| NC | NC | | |
| NC | NC | | |
| NC | NC | | |
| GND | NC | | |

EXT2

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