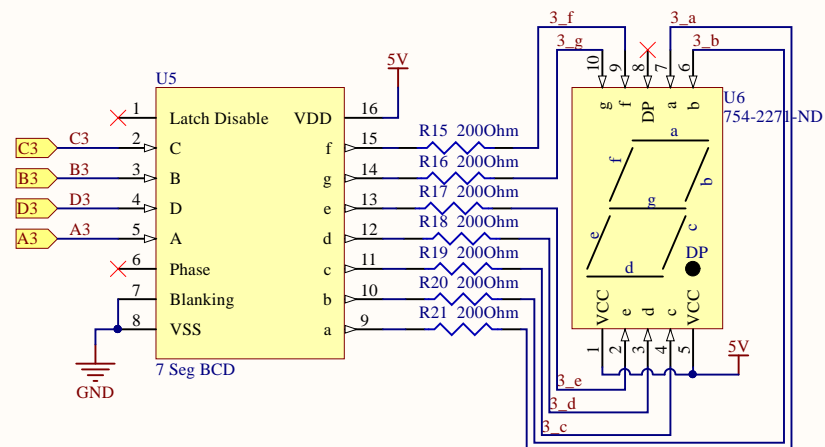
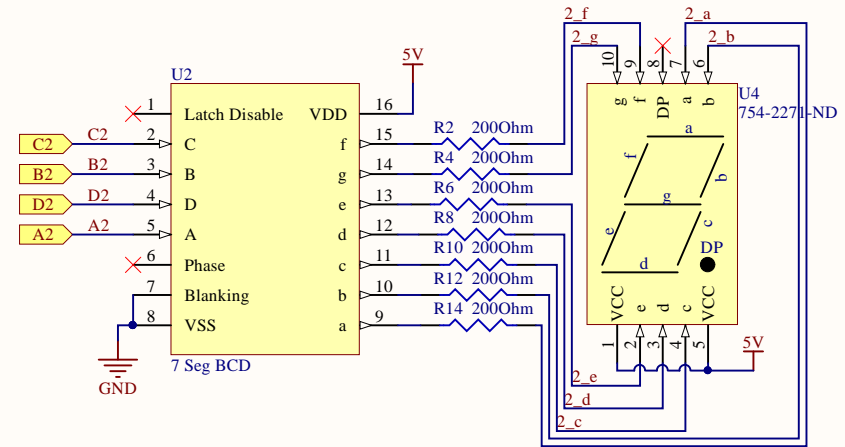
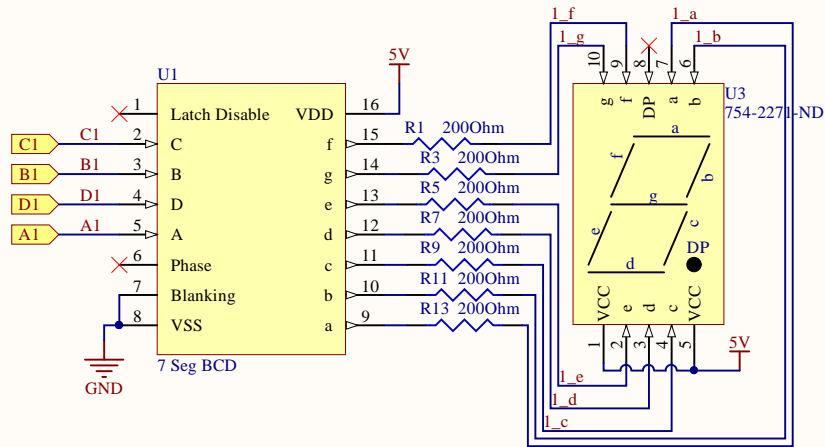


7 SEGMENT DISPLAYS

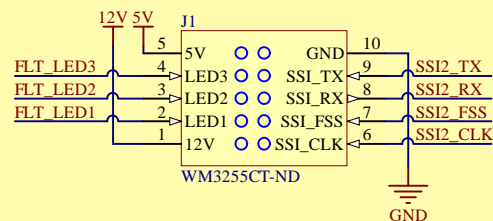


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| Title | | |
| Size A4 | Number | Revision |
| Date: | 1/23/20 | Sheet of |
| File: | C:\Users\...\7SegDisplay.SchDoc | Drawn By: |

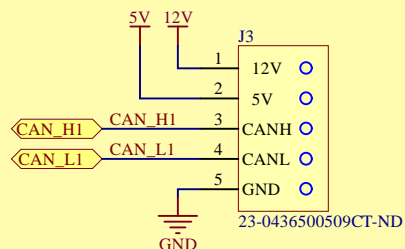
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4

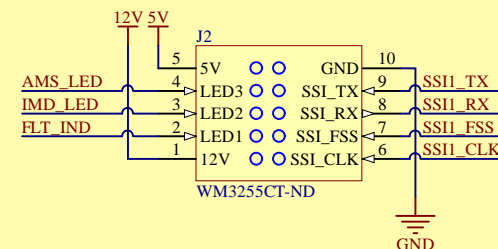
LEFT BOARD



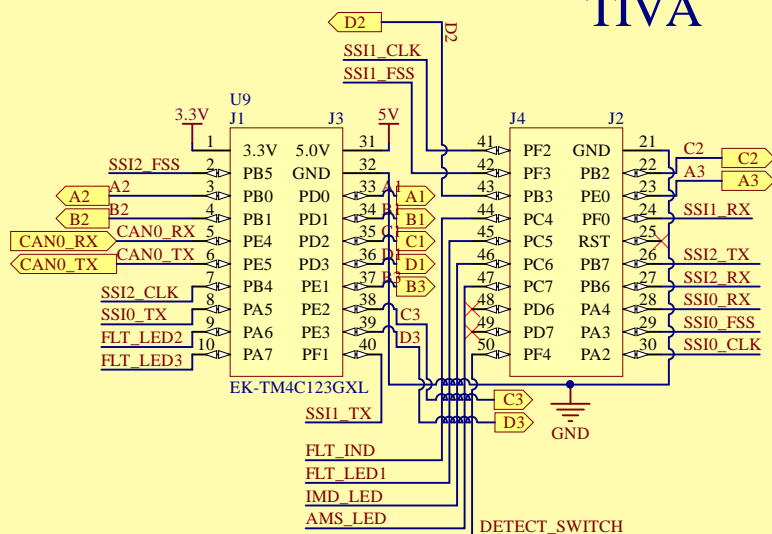
POWER



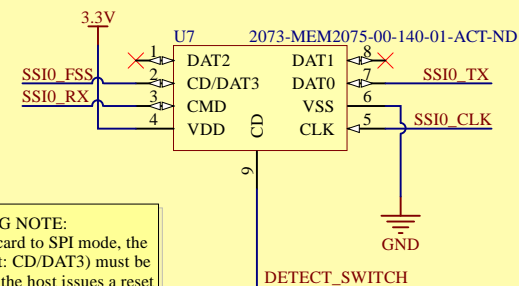
RIGHT BOARD



TIVA



MICRO SDCARD



INTERFACING NOTE:
To switch the card to SPI mode, the CS signal (port: CD/DAT3) must be asserted while the host issues a reset command to the card

| Title | | |
|-------|-----------------------------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: | 1/23/20 | Sheet of |
| File: | C:\Users\...\Headers.SchDoc | Drawn By: |

TEAM PHANTOM
SFU FORMULA SAE ELECTRIC



U3

U4

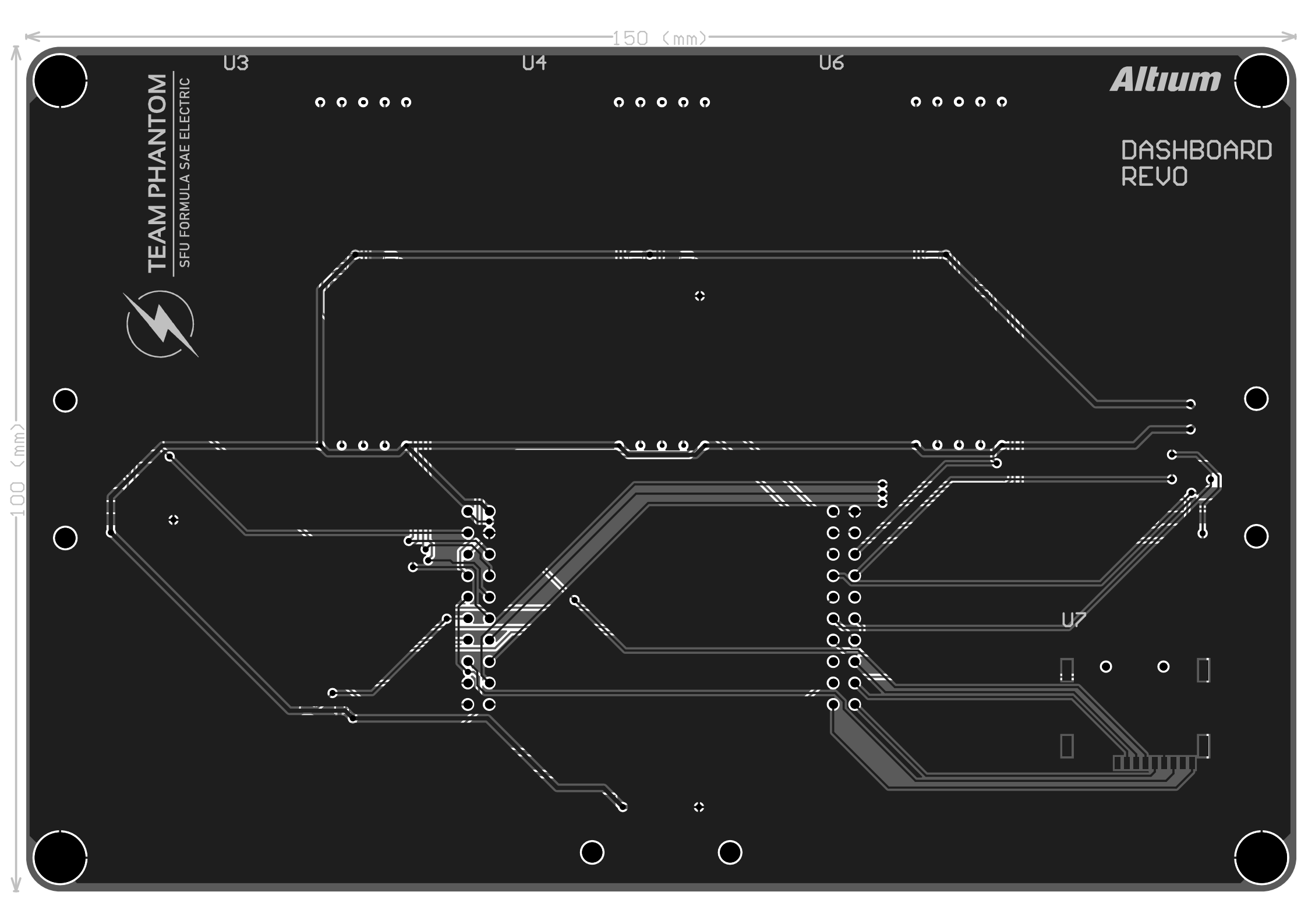
U6

Altium

DASHBOARD
REVO

150 (mm)

100 (mm)



Bill of Materials

Bill of Materials for Project [Dashboard.PrjPcb]

Source Data From: Dashboard.PrjPcb

Project: Dashboard.PrjPcb

Variant: None

Creation Date: 1/23/20 3:17 AM

Print Date: 23-Jan-20 3:17:16 AM

| Footprint | Comment | LibRef | Designator | Description |
|--------------|---------------|---------------|---|------------------|
| CAPC1608X1 | 100nF | C0603C104K4R | C1 | Cap Ceramic 0 |
| MOLEX-10PIN | WM3255CT-ND | MOLEX-10PIN | J1, J2 | HEADER R/A 1 |
| MOLEX-5PIN | 23-0436500509 | 0436500509 | J3 | GLOVE, POLY |
| 61300311121 | 61300311121 | 61300311121 | JP1 | WURTHELEK |
| 61300211121 | 61300211121 | 61300211121 | JP2, JP3 | Headers & Wire |
| RES-0805 | 2000Ohm | RNCP0805FTD2 | R1, R2, R3, R4, R5, R6, R7, R8, R9, R10 | RES SMD 200 |
| RES-0603 | 0Ohm | RC0603JR-070R | R22, R23 | RES SMD 0 OH |
| RESC1608X0 | 120 Ohm | ERA-3AEB121V | R24 | Metal film resis |
| 60Ohm-0603 | 62 Ohm | ESR03EZPJ620 | R25 | RES SMD 62 O |
| TSOP65P640 | 7 Seg BCD | CD4543BPWR | U1, U2, U5 | IC BCD7SEG L |
| SA15-11EWA | 754-2271-ND | SA15-11EWA | U3, U4, U6 | DISPLAY, SEV |
| SDCARD-NC | 2073-MEM2075 | SDCARD CONN | U7 | 850NMPOINT |
| SOIC127P60 | MCP2561FD-E/ | MCP2561FD-E/ | U8 | MICROCHIP |
| TIVA Headers | EK-TM4C123GX | TIVA Headers | U9 | |