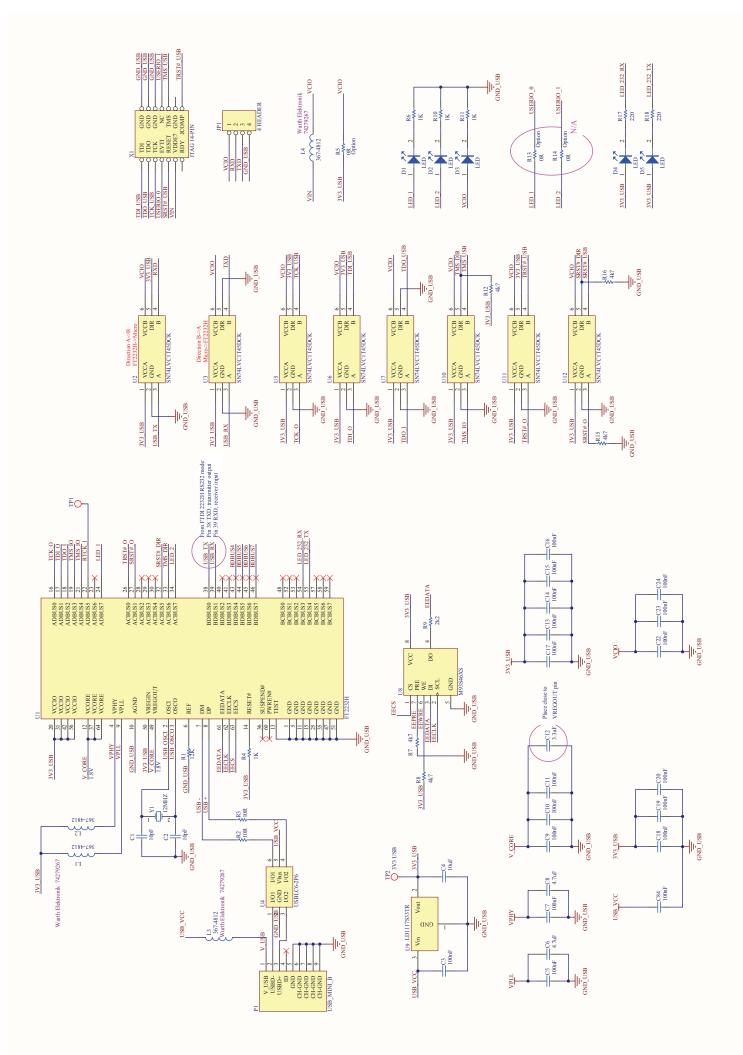
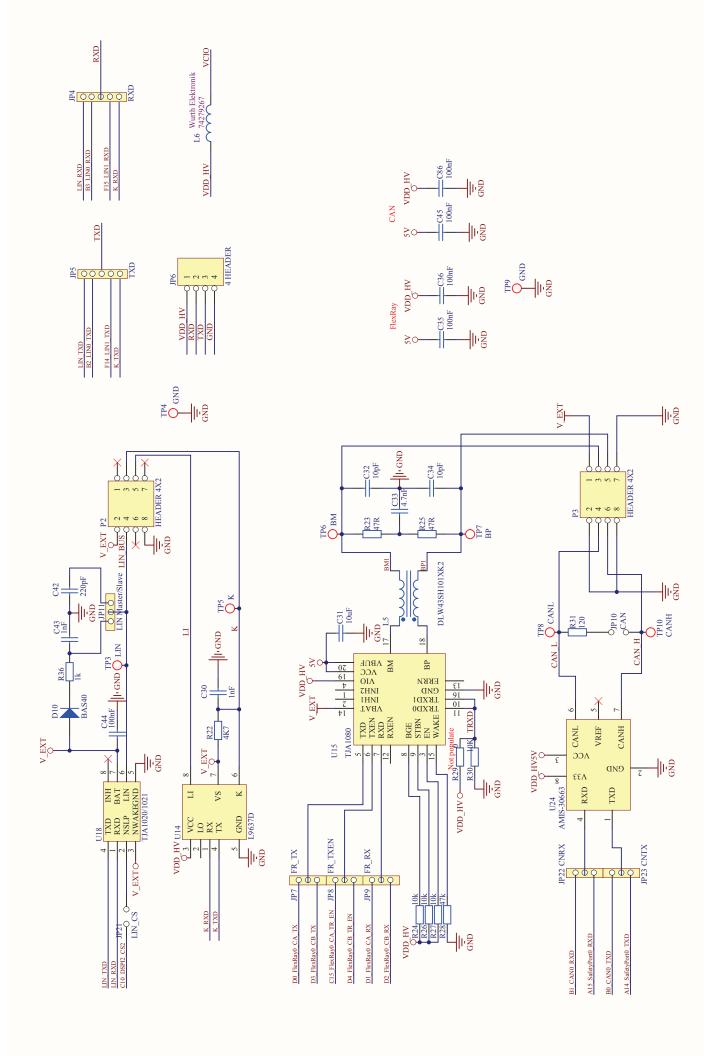
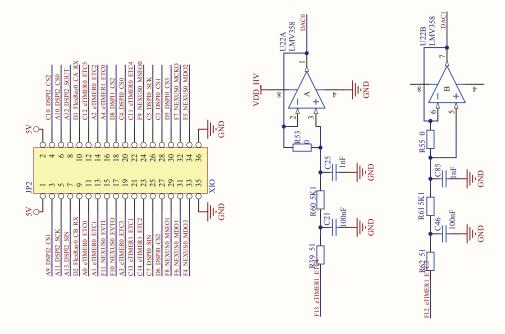


| 46 EB ADCI ANS 27 EL ADCO ANS 32 ES ADCO ANS   |  |  | 13 OVDD_HV<br>87 87 69 69 69 80 80 80 80 80 80 80 80 80 80 80 80 80   |  |                         |
|--|--|--|---|--|-------------------------|
| SPC560Pxx13 GP10[64]   |  | OV ADO JIV. ADO OV ADO JIV. ADO OV AD   | VDD_HV_IOI<br>VDD_HV_IOI<br>VDD_HV_IOI<br>VDD_HV_EEG<br>VDD_HV_EEG<br>VDD_HV_EEG<br>VDD_LV_CORD<br>VDD_LV_CORD  | VDD_LV_COR2 VDD_LV_PILL VDD_LV_PILL VDD_LV_PILL VDD_LV_PILL  | <u>†₹</u>               |
| 6 6 6  |  | [45]   | IX  | AZZTA_BEGCOB<br>AZZTA_COBS<br>AZZTA_COBI<br>AZZTA_COBI<br>AZZTA_COBI<br>AZZ HA_103<br>AZZ HA_105<br>AZZ HA_101<br>AZZ HA_101 | 6† 89 £6 99 11 88 79 †1 |
| CEPO(0)  1) GP(0)  | BUGII] GPO[16]   | GP0(35) UCJ4  GP0(35) UCJ4  GP0(35) BUG9() GP0(37) BUG9() GP0(38) CS6  GP0(34) CS6  GP0(34) GS9  | www.ball cpio(48)  www.xii cpio(48)  www.xii cpio(48)  www.xii cpio(58)  www.xii cpio(58)  www.xii cpio(58)  www.xii cpio(58)  css cpio(58)  c cpio(59)  Tr cpio(68)  Tr cpio(68)  Tr cpio(68)  | ODV_AH_SSA   | ψξ<br>0ψ                |
| U13  A CHMERO, EFCIQ INPER, SCK, FCUO, FUI) GPOCIQI  A CHMERO, EFCIQ INPER, SOCH, FCUO, FUI) GPOCIQI  A CHMERO, EFCIQ INPER, SON, FCEUD, FUI GPOCIQI  A CHMERO, EFCIQ INPER, SON, SON, SON, SON, SON, SON, SON, SON  | BO CAND_TXD &TIMER_LETC[2] SSCM_DEBUG[0] GPQ[16]   | CO ADCI_ANA] GPRO[32] CI ADCO_ANA] GPRO[34] CS DAPOC_ANA] GPRO[34] CS DAPOC_ANA] GPRO[34] CS DAPOC_ANA] GPRO[34] CS DAPOC_ANA] GPRO[34] CS DAPOC_ANA GPRO[   | DD FRARAYO CA, TX CTIMERI, ETCI] FREADWIND, BI] GPIO[48]  DJ FRARAYO CA, CRY CHIMERI, ETCI] CTUO, EXT. THGG GPIO[49]  DJ FRARAYO CB, TX CTIMERI, ETCI] FREADWIND, XI] GFIO[50]  DJ FRARAYO CB, TX CTIMERI, ETCI] FREADWIND, AS] GFIO[51]  DJ FRARAYO CB, TX CTIMERI, ETCI] FREADWIND, BI] GFIO[52]  DJ FRARAYO CB, TX CHIMERI, ETCI] FREADWIND, BI] GFIO[52]  DJ FRARAYO CB, TX CHIMERI, ETCI] FREADWIND, BI] GFIO[52]  DJ FRARAYO CB, TY CHIMERI, CHO, STANDO (STANDO)  DJ FRARWIND, AND GFIO STANDO (STANDO)  DJ FRARWIND, AND GFIO STANDO (STANDO)  DJ FRARWIND, AND DERFE, CAS GPIO[56]  DJ FRARWIND, AND DERFE, CAS GROSPIS, SIN GFIO[62]  DJ FRARWIND, AND DERFE, CAS GROSPIS, SIN GFIO[62]  DJ FRARWIND, AND DERFE, CAS CROPES, SON GFIO[62]  DJ FRARWIND, AND DERFE, CAS CROPES, SON GFIO[62]  DJ FRARWIND, AND DERFE, CAS CROPES, SON GFIO[62]   | EXTAL  | EXTAL 19                |
| OUR ACTIMENO ETCION A CTIMENO ETCION A CTIMENO ETCION AS CTIMENO ETCION AS CTIMENO ETCION AS CTIMENO ETCION AS DEPLI CSN CPRO AND DEPLI CSN CPRO AND DEPLI CSN PERM AND SERVE CSN PERM A   | BO CANU_IXD 6F<br>BL LING IXD 6F<br>BL LING IXD 5S<br>BL ING IXD 5S<br>BL ING IXD 5S<br>BL ING IXD 5S<br>BL ING IXD 6F<br>BL ING IXD 6F<br>BL ADCO_I NNII<br>BL ADCO_I N | CO ADC1_AN3] G<br>CO ADC1_AN3] G<br>CO ADC0_AN3] G<br>CO ADC0_AN3] G<br>CO BSP0_CSO HE<br>CO BSP |   | TWS TCK NMI VPP TEST RESET_B   |                         |
| 00 CHORING ETCO 52<br>01 CHORING ETCO 55<br>02 CHORING ETCO 56<br>03 CHORING ETCO 56<br>04 CHORING ETCO 56<br>05 CHO | CONTROL   CONT   | Column   April   Apr   | D. D. Berkey, C. V. T. 867  12. Treaten C. D. N. 97  13. Treaten C. D. N. 97  14. Treaten C. D. N. 97  15. Debte C. D. N. 97  15. Debte C. D. N. 97  15. Debte C. D. 97  15. Debte C. Debte C. D. 97  15. Debte C. D. 97  15. Debte C. D. 97  15. Debte C. Debte | TCK   FO   |                         |





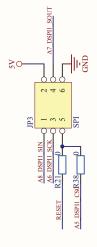
| D1   SV   D2   E12 ADC1 AN10   D3   E11 ADC1 AN9   D4   E9 ADC1 AN7   D5   E13 DSP13 SCK   D6   E15 DSP13 SIN D8   D8   D8   D8   D8   D8   D8   D8  |   | D15<br>D17<br>D18<br>D19<br>D20   | D23<br>D23<br>D24<br>D24<br>D25<br>D27   | D228 F15<br>D320 F6<br>D331 F7<br>D334 F7<br>D335 F7<br>D35<br>D35<br>D35<br>D35<br>D35<br>D35<br>D35<br>D35<br>D35<br>D35 | _   |
|--|---|---|--|---|---|
|  | D D D D D D D D D D D D D D D D D D D   |   |  |   | 7 D37   |
|  | 5                                       |   |  |   | - C37   |
| 202222   |   | C15<br>C18<br>C19<br>C20  | C22<br>C23<br>C23<br>C23<br>C23<br>C23<br>C23<br>C23<br>C23<br>C23   | 1               / ^ ^   | 1   |
| E0 ADC1 ANS GND 1   B15 ADC1 AN3 B15 ADC1 AN2 E14 DSP15 SOUT   | B2_LIN0_TXD                             | BI CANO RXD AIS SafetyPorto RXD C12 CTIMERO ETCS AO CTIMERO ETCO AI CTIMERO ETCI AI NEXUSO EVTI | HO NEXUSO EVTO AS CTIMERO ETC3 CLI CTIMERO ETC4 PO NEXUSO MESOO B6 CLKOUT C6 DSPIO CSI C3 DSPIO CSI  | DO DARIO CAS.  TO DARIO CAS.  TO DARIO CAS.  TO DARIO CAS.  TO DARIO CAS.  GND 1  | 373   |
| B1   GND   GA Fleepwan B2   GA Fleepwan B2   B3 D11 Fleepwan B0   B4 E10 ADC1 ANS B5 D15 ADC1 ANS B6 G9 Fleepwan FAULT1   B7 G11 Fleepwan FAULT1 |   | 4   | B2T   F14 LIN1 TXD     B2Z   G2   FleedWM0 A2     B23   D10   FleedWM0 A0     B24   F3   FleedW D8G3     B25   C3   B2H C81     B27   B27   B21     B27   B1   ADC011 AN13     B27   B27   B27     B27     B27   B27     B27     B27   B27     B |   | t V_EXT_P   |
| B1<br>B2<br>B3<br>B4<br>B5<br>B6<br>B7   | BB11 BB12 BB13 BB13 BB13 BB13 BB13 BB13 | BB15<br>BB17<br>BB19<br>BB19<br>BB19  | B21<br>B22<br>B23<br>B24<br>B25<br>B26<br>B26  | B28<br>B30<br>B31<br>B32<br>B33<br>B33<br>B34<br>B35<br>B35   | B37 ER 37X  |
| 4 A A A A A A A A A A A A A A A A A A A  | A8<br>A10<br>A12<br>A13<br>A13          |   |  |   | _ 5   |
| X<br>A A A A A A A A A A A A A A A A A A A   |   |   | A21<br>A22<br>A24<br>A25<br>A27<br>A27   |   |   |
| D14 FleePWM0 B1  G7 FleePWM0 B3  B14 ADC1 AN1  E8 ADC1 AN6  G8 FleePWM0 FAULTO  G10 FleePWM0 FAULTO  E0 G10 FleePWM0 FAULTO  |   | ] X 8   |  |   | $\begin{array}{c} V_{-EXT\_P} \stackrel{R3}{\longrightarrow} \\ V_{-EXT} \stackrel{R32}{\longrightarrow} \\ 0R \ 0805/1206 \end{array}$ |





|   | B3_LIN0_RXD     |
|---|-----------------|
|   | B2_LIN0_TXD     |
|   | D9_FlexPWM0_X0  |
|   | D12_FlexPWM0_X1 |
|   | G3_FlexPWM0_A2  |
|   | G7_FlexPWM0_B3  |
|   | G5_FlexPWM0_X3  |
|   | G6 FlexPWM0 A3  |
| 2 |                 |

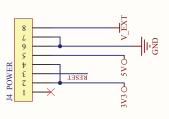
|   | G4_FlexPWM0_B2  |
|---|-----------------|
|   | G2_FlexPWM0_X2  |
|   | D10_FlexPWM0_A0 |
|   | D13_FlexPWM0_A1 |
|   | D14 FlexPWM0 B1 |
|   | D11_FlexPWM0_B0 |
| Г | GND             |
|   | AREF            |
|   | C9 DSPI2 CS3    |
|   | A9 DSPI2 CS1    |
|   |                 |

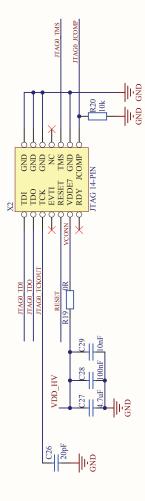


| VDD HV AD |    |
|-----------|----|
| R40       | ]_ |
| AREF      |    |

| 2 3 4 5 6 7 8 | Al4 SafetyPort0 TXD |
|---------------|---------------------|
|               | A15 SafetyPort0 RXD |
|               | DVCI                |
|               | DVC0                |
|               | B9 ADC0/1 AN11      |
|               | E7_ADC0_AN10        |
|               | E6_ADC0_AN9         |
| l I           | E2 VDC0 V/8         |
|               |                     |

|   | 0           |             |
|---|-------------|-------------|
|   | 8           | E4 VDC0 VNJ |
|   | L           | E3_ADC0_AN6 |
| 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 1 2 3 4 5 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | E2_ADC0_AN5 |             |
|   | E1_ADC0_AN4 |             |
|   | C2_ADC0_AN3 |             |
|   | CI_ADC0_AN2 |             |
|   | B8 VDC0 VNI |             |
|   | ı           | B7_ADC0_AN0 |
|   |             |             |





|     | 16 JTAG0_TDI | 15 JTAG0 TDO | 14 JTAG0 TCKOUT | 13 RESET    | 12 JTAG0 TMS | 11 JTAG0 JCOMP | 10 VCONN | GND 6     | VCK3     |  |
|-----|--------------|--------------|-----------------|-------------|--------------|----------------|----------|-----------|----------|--|
| RPI | TDI USB 1    | TDO USB 2    | TCK_USB 3       | SRST# USB 4 | TMS USB 5    | TRST# USB 6    | VIN 7    | GND USB 8 | RESPACK3 |  |