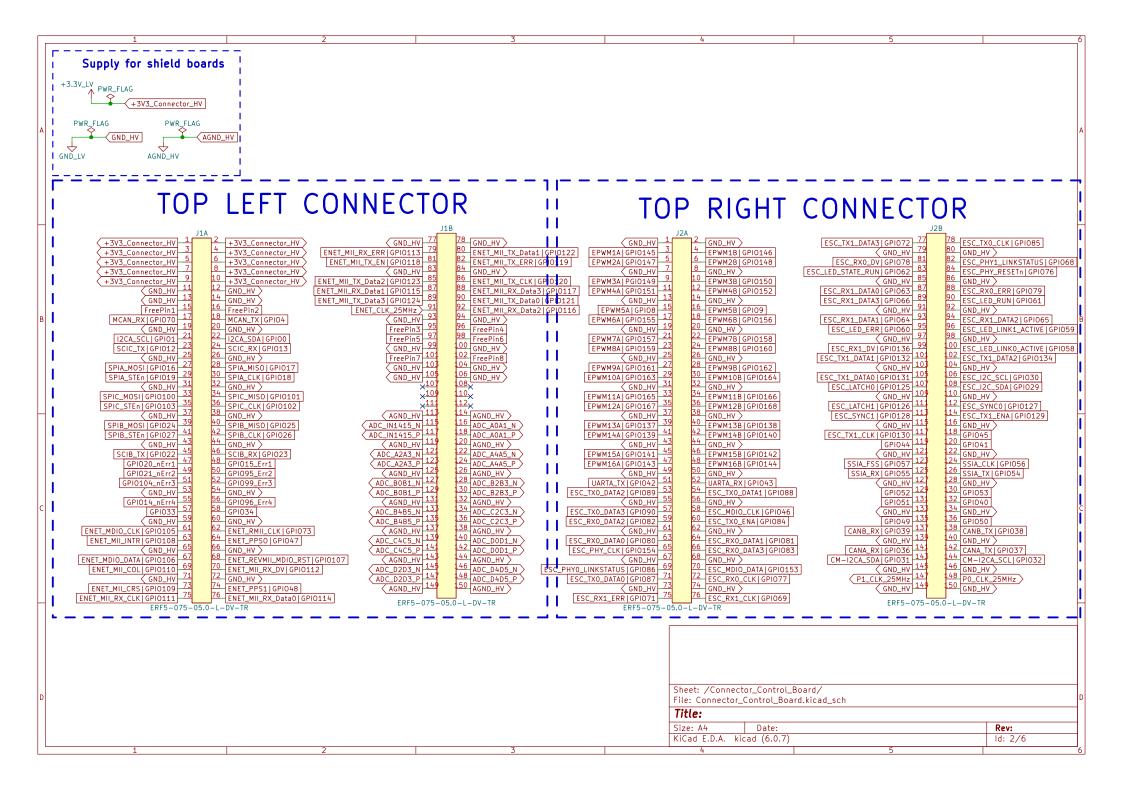
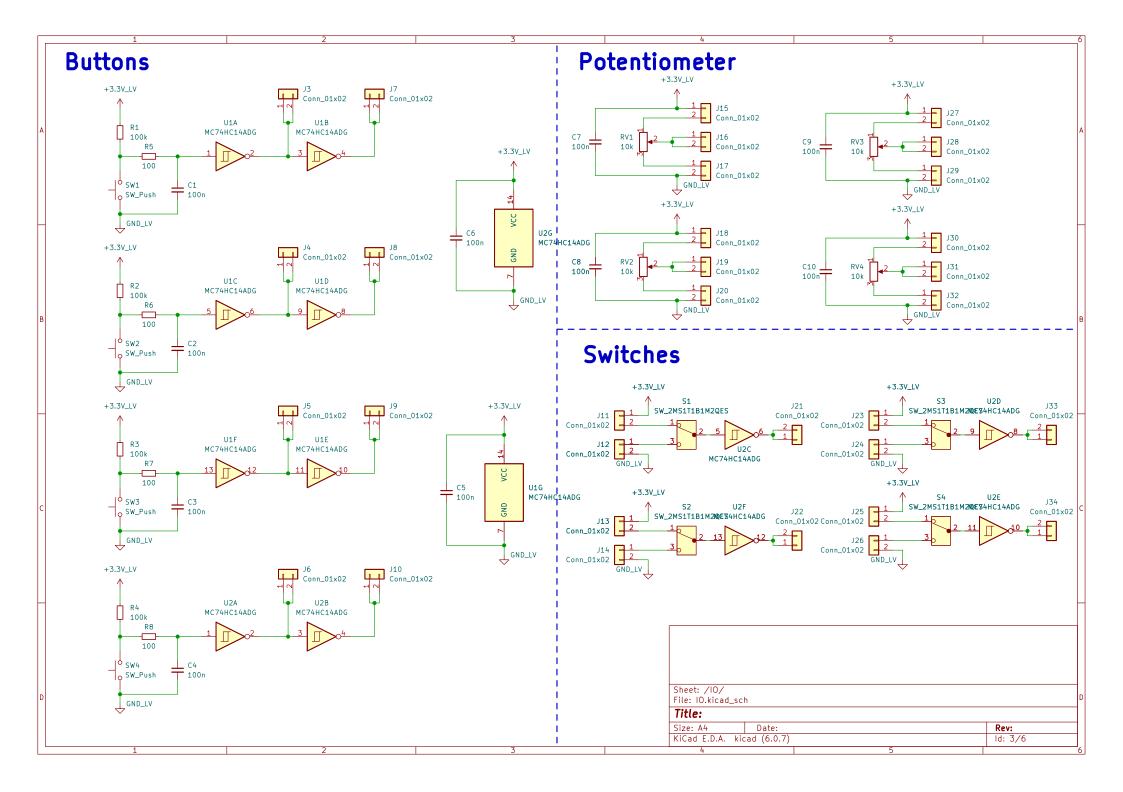
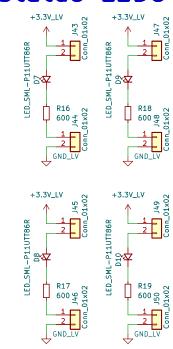
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		Switch_Button_LED			10				
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		Connector_Control_Board			Power_Supp	ly			
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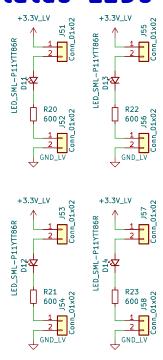


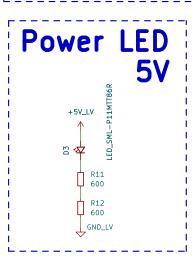
Status LED Sull-P11MT786R LED Sull-P11MT786R

Status LEDs Red



Status LEDs Yellow

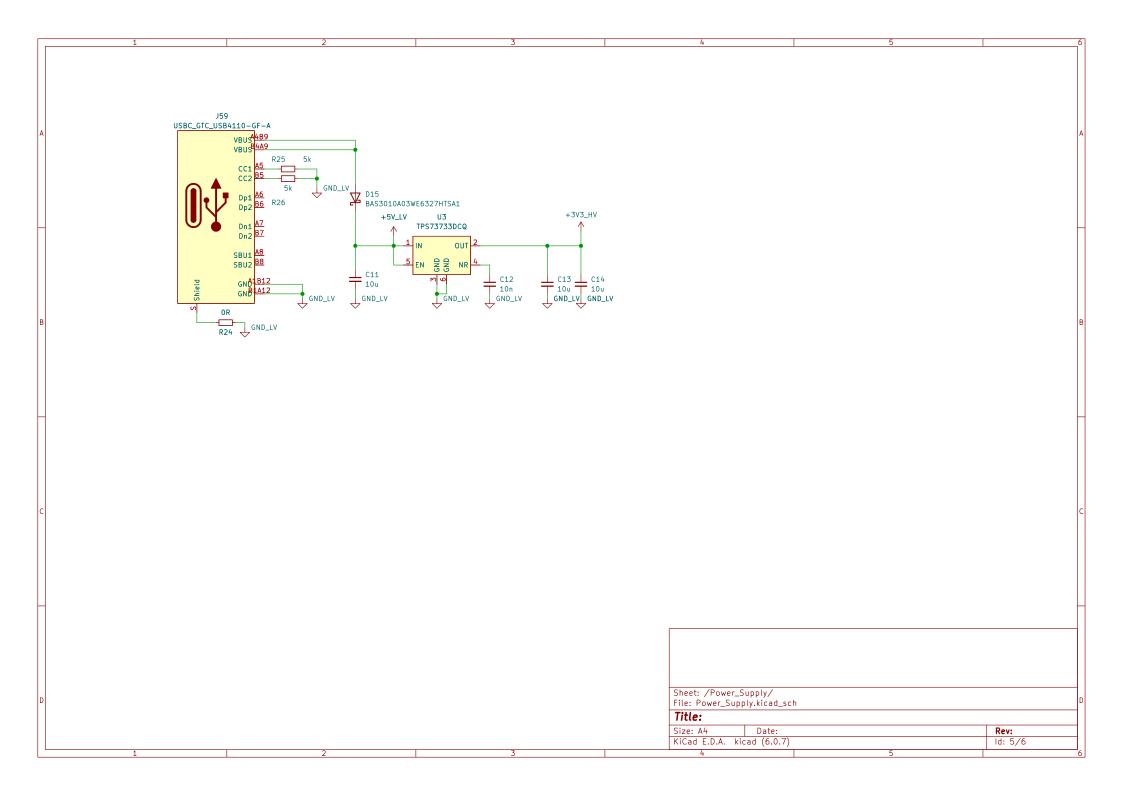




Power LED 3V3

Sheet: /Switch_Button_LED/
File: Switch_Button_LED.kicad_sch

Size: A4	Date:	Rev:
KiCad E.D.A.	kicad (6.0.7)	ld: 4/6



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TOP LEFT CONNECTOR to Pinheader
        Conn_02x30_Row_Letter_Last
                                                                                    GND_HV 1a 1b GND_HV
                                                                                                   2b ENET_MIL_TX_Data1 GPI0122
3b ENET_MIL_TX_ERR GPI0119
4b ENET_MIL_TX_ERR GPI0120
5b ENET_MIL_TX_CLK GPI0120
                                  3b +3V3_Connector_HV

+3V3_Connector_HV
                                                                    ENET_MII_RX_ERR | GPI0113 | 3a | ENET_MII_TX_ER | GPI0118 | 4a | ENET_MII_TX_Data2 | GPI0123 | 5a |
         +3V3_Connector_HV 3a
                           4a ___
         +3V3_Connector_HV
                                 5b GND_HV
                  GND_HV
                                                                    ENET_MII_RX_Data1 GPI0115 5a
                                                                                                  ENET_MII_RX_Data3 | GPI0117
                  GND_HV
                                       GND_HV
                                  7b MCAN_TX | GPIO4
                                                                     ENET_MII_TX_Data3 | GPI0124 6a
           MCAN RXIGPI070
                                                                            ENET_CLK_25MHz 7a GND_HV 8a
                                  8b I2CA_SDA|GPI00
            I2CA_SCL|GPI01
                                 9b SCIC_RX GPI013
            SCIC_TX|GPI012
                                  10b SPIA_MISO GPI017
                                                                                            × 9a
          SPIA_MOSI|GPI016
                                  11b SPIA_CLK | GPI018
          SPIA_STEn|GPI019
                                  12b GND_HV
                  GND_HV
                                                                                                    12b AGND_HV 

13b ADC_A0A1_N 

14b ADC_A0A1_P
                                   13b SPIC_MISO | GPI0101
                                                                               AGND_HV 12a
ADC_IN1415_N 13a
ADC_IN1415_P 14a
          SPIC_MOSI|GPI0100
                                   14b SPIC_CLK|GPI0102
         SPIC_STEn | GPI0103
                          15a
                                  15b SPIB_MISO | GPI025
          SPIB_MOSI|GPI024
                                                                                                    15b AGND_HV
                                                                                   AGND_HV 15a
                                  16b SPIB_CLK | GPI026
          SPIB_STEn | GPI027
                                   17b SCIB_RX|GPI023
                                                                                 ADC_A2A3_N 16a
                                                                                                    16b ADC_A4A5_N
            SCIB_TX | GPI022
                                                                                                    17b ADC_A4A5_N

18b ADC_A4A5_P

19b AGND_HV

19b ADC_B2B3_N

20b ADC_B2B3_P
                                   18b GND_HV
                                                                                 ADC_A2A3_P 17a
                  GND_HV 18a
                                                                                ADC_BOB1_N
ADC_BOB1_P
                                  19b GPI<u>015_Err1</u>
               GPI020_nErr1
                                   20b GPI09<u>5_Err2</u>
              GPI021_nErr2 20a
                                  21b GPI099_Err3
                                                                                GPI0104_nErr3 21a
              GPI014_nErr4
                                       GP1096_Err4
                                  23b GPI034
                   GP1033
                                  24b GND_HV
    ENET_MDIO_CLK | GPI0105
                                  25b ENET_RMII_CLK | GPI073
                  GND HV
                                  26b ENET_PPS0|GPI047
                           26a
      ENET_MII_INTR | GPI0108
                                       ENET_REVMII_MDIO_RST | GPI0107
    ENET_MDIO_DATA | GPI0106
                                   28b ENET_MII_RX_DV | GPI0112
      ENET_MII_COL|GPI0110
                           29a 29b ENET_PPS1 GPI048 
30a 30b ENET_MIL_RX_Data0 GPI0114
      ENET_MII_CRS | GPI0109
   FNET MII RX_CLK GPI0111
   TOP RIGHT CONNECTOR to Pinheader
                     Conn_02x30_Row_Letter_Last
                                                                                      Conn_02x30_Row_Letter_Last
           EPWM1A | GPI0145 1a EPWM1B | GPI0146
                                                                                                   Th GND_HV
                                                                                   GND_HV
                                  EPWM2A GPI0147 2a
                                                                                                   2b ESC_TXO_CLK | GPI085
                                                                       ESC_TX1_DATA3 | GPI072
                                                                                                  3b ESC_NAVELNIONIOUS
4b ESC_PHY1_LINKSTATUS | GPI068
5b ESC_PHY_RESETn | GPI076
ESC_RX0_ERR | GPI079
                                                                         ESC_RX0_DV|GPI078
           EPWM3A|PGI0149
                                  4b EPWM4B GPI0152
                                                                   ESC_LED_STATE_RUN | GPI062
           EPWM4A | GPI0151
                                 5b EPWM5B GPI09
             EPWM5AIGPI08
                                                                       ESC_RX1_DATA0 | GPI063
                                                                                            6a 6b ESC_RXU_ERR|G||0.1
                                 6b GND_HV
                  GND_HV
                                                                       ESC_RX1_DATA3|GPI066
                                                                                            7a 7b GND_HV
                                 7b EPWM6B | GPI0156
8b EPWM7B | GPI0158
                           7a ____
                                                                                  GND_HV
           EPWM6A | GPI0155
                                                                                            8a Bb ESC_RX1_DATA2 | GPI065
                                                                       ESC_RX1_DATA1 | GPI064
           EPWM7A|GPI0157
                                                                                                   9b ESC_LED_LINK1_ACTIVE | GPI059
                                  9b EPWM8B GPI0160
                                                                                            9a
10a
           EPWM8A|GPI0159
                                                                         ESC_LED_ERR|GPI060
                                                                                                  SC_LED_LINK_ACTIVE GPI058
                                  10b EPWM9B GPI0162
           EPWM9A | GPI0161
                                                                         ESC_RX1_DV|GPI0136
                                  11b EPWM10B|GPI0164
                                                                                                    11b ESC_TX1_DATA2|GPI0134
          EPWM10A | GPI0163
                                                                      ESC_TX1_DATA1 | GPI0132
                                  12b GND_HV
                 GND_HV 12a
                                                                                                    12b ESC_I2C_SCL GPI030
                                                                      ESC_TX1_DATA0 | GPI0131
                                                                                                   13b GND_HV SESC_I2C_SDA|GPI029
                                  13b EPWM11B GPI0166
                                                                                  GND_HV
          EPWM11A | GPI0165
                                  14b EPWM12B|GPI0168
          EPWM12A | GPI0167
                                                                         ESC_LATCH0 | GPI0125
                                                                                                    15b ESC_SYNC0|GPI0127
                                   15b EPWM13B | GPI0138
          EPWM13A GPI0137
                                                                        ESC_LATCH1 GPI0126
                                  16b EPWM14B|GPI0140
                                                                                                   16b ESC_TX1_ENA|GPI0129
          EPWM14A GPI0139
                                                                         ESC SYNC1 | GPI0128
                                  17b EPWM15B GPI0142
                                                                                                    17b GPI045
          EPWM15AIGPI0141
                                                                        ESC_TX1_CLK | GPI0130
                                                                                                   18b GPI041
                                   18ь
                                                                                    GP1044
                  GND_HV
                                       GND_HV >
                                                                                                   19b GND_HV 20b SSIA_CLK | GPI056 21b SSIA_TX | GPI054 22b GPI053 23b
                                  19b EPWM16B | GPI0144
          EPWM16A | GPI0143
                                                                                    GND_HV
                                   20b UARTA_RX|GPI043
           UARTA_TX | GPIO42
                                                                            SSIA_FSS | GPI057
                                  21b ESC_TXO_DATA1 | GPIO88
       ESC_TX0_DATA2 | GPI089
                                                                             SSIA_RX | GPI055
                                  22b ESC_MDIO_CLK|GPI046
      ESC_TX0_DATA3 | GPI090 | 22a
                                                                                     GPI052
                                  23b ESC_TXO_ENA|GPI084
                                                                                                   23b GPI040
                                                                                     GPI051
       ESC_RX0_DATA2 | GPI082
                                  24b GND_HV
                                                                                                    24b GPI050
                  GND_HV
                                                                                     GPI049
                                                                                                    25b GND_HV
                                   25b ESC_RX0_DATA1 | GPI081
      ESC_RX0_DATA0 | GPI080
                                                                                   GND_HV
                                   26b ESC_RXO_DATA3 | GPI083
                                                                                                    26b CANB_TX | GPI038
      ESC_PHY_CLK | GPI0154
                                                                            CANB RXIGPI039
ESC_PHYO_LINKSTATUS | GPI086 27a
                                   27b ESC_MDIO_DATA | GPI0153
                                                                                                    27b CANA_TX | GPI037
                                                                                                                                              Sheet: /Pinheaders/
                                                                                            27a
                                                                            CANA_RX | GPI036
                                   28b ESC_RXO_CLK|GPI077
                                                                                                   28b CM-I2CA_SCL | GPI032
                                                                                                                                              File: Pinheaders.kicad_sch
      ESC_TX0_DATA0|GPI087
                                                                        CM-I2CA_SDA|GPI031
                                                                                                  29b PO_CLK_25MHz
                                   29b ESC_RX1_CLK | GPI069
                                                                              P1_CLK_25MHz
       ESC_RX1_ERR|GPI071
                                                                                                                                              Title:
                                                                                                   30b GND_HV
                                   30b GND_HV
                   GND HV
                                                                                    GND HV
                                                                                                                                              Size: A4
                                                                                                                                                               Date:
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