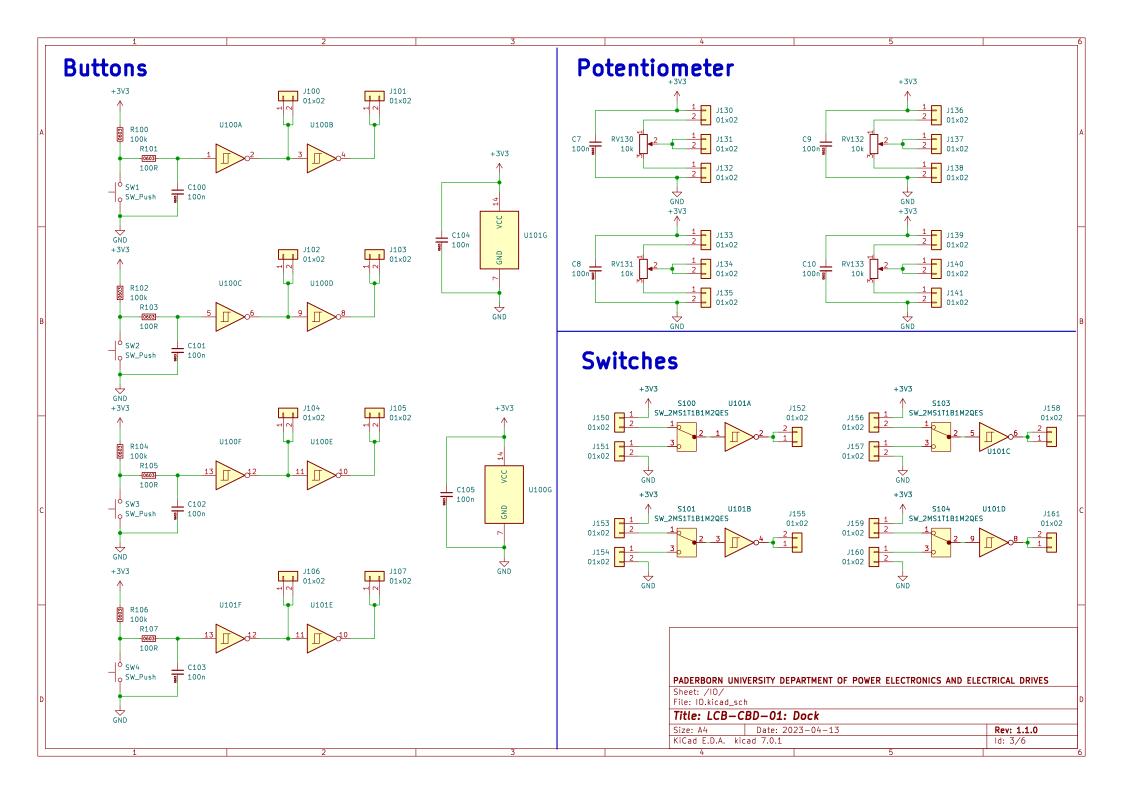
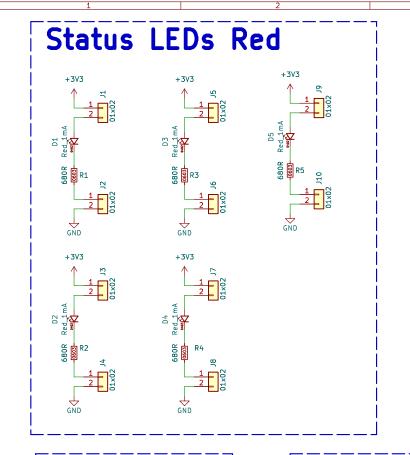
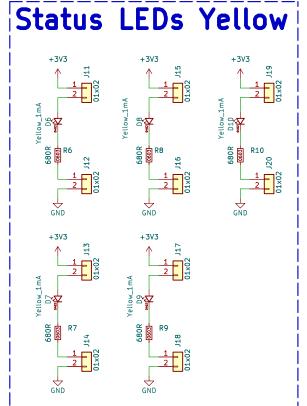


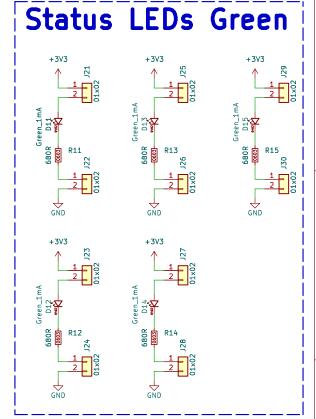
KiCad E.D.A. kicad 7.0.1

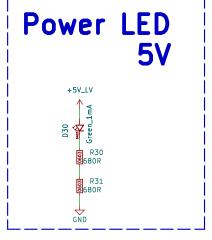
ld: 2/6

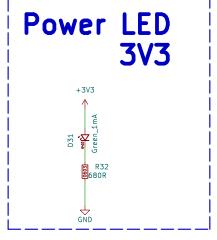










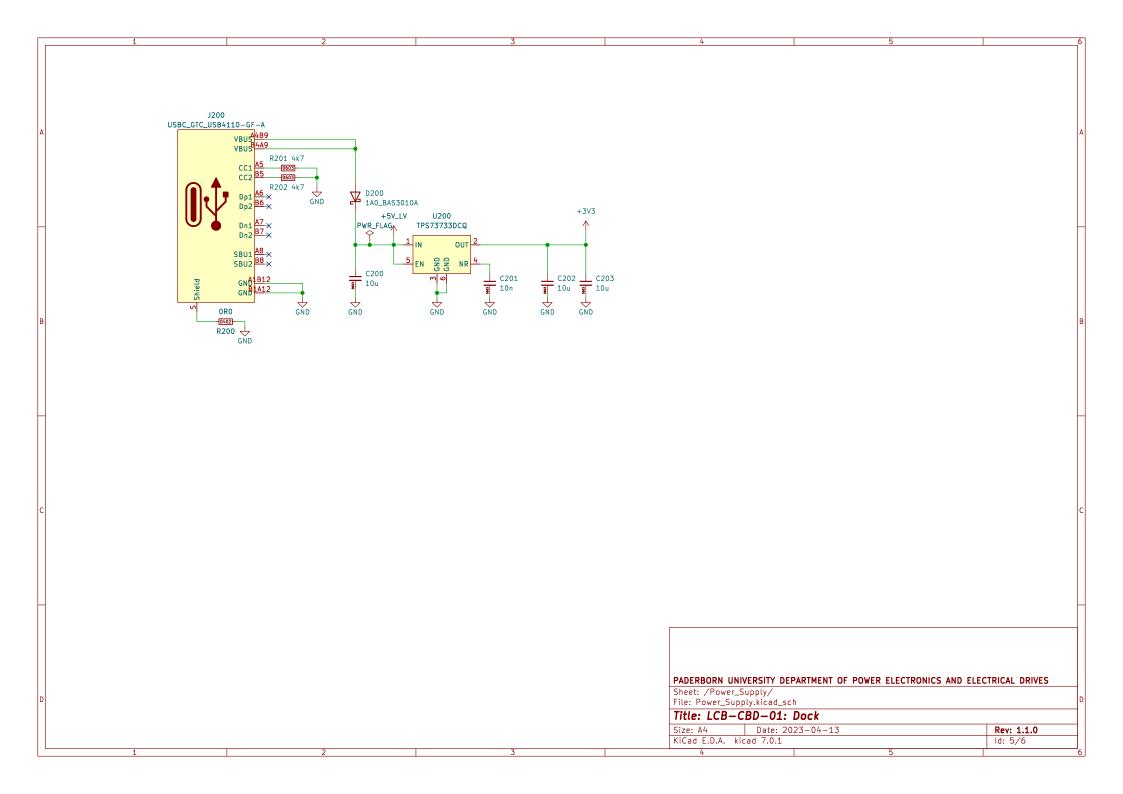


PADERBORN UNIVERSITY DEPARTMEN	T OF	POWER	ELECTRONICS	AND	ELECTRICAL DRIVES	
Sheet /Switch Button LED/						

File: Switch\_Button\_LED.kicad\_sch

Title:	LCB-C	BD-	-01:	Doc	k

Size: A4	Date: 2023-0	04-13	Rev: 1.1.0	
KiCad E.D.A. kid	ad 7.0.1		ld: 4/6	
4		5	•	_



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TOP LEF,T CONNECTOR to Pinheader
                                                                                                                                                                                                        02x30_Row_Letter_Last
                                                                                                                                                         ENET_MIL_RX_ERR | GPI0113 | 3a | ENET_MIL_TX_EN | GPI0118 | 3a | ENET_MIL_TX_EN | GPI0118 | 4a | ENET_MIL_TX_Data21 CPI0255 | 4a | ENET_MIL_TX
                                                                                                                                                                                                                             1b GND | 2b ENET_MIL_TX_Data1 | GPI0122 | 3b ENET_MIL_TX_ERR | GPI0119 | 4b ENET_MIL_TX_CLK | GPI0120 | 5b ENET_MIL_TX_CLK | GPI0117 | 6b | ENET_MIL_RX_Data3 | GPI0117 |
                                            +3/3
                                                         3a
                                           +3V3
                                                                                    +3/3
                                                         4a
                                                                           5b GND
                                                                                                                                                         ENET_MII_TX_Data2 | GPI0123
                                            < GND ⊢
                                           GND
                                                                                    GND
                                                                                                                                                         ENET_MII_RX_Data1 | GPI0115
                                                                                                                                                                                                                            SD ENET_MIL_RX_Data0|GPI0121|
SD ENET_MIL_RX_Data0|GPI0121|
SD ENET_MIL_RX_Data2|GPI0116|
SD GND
9b ×
                                                                                                                                                                         7b MCAN_TX | GPIO4
                    MCAN_RX | GPI070
                                                                                                                                                        ENET_MII_TX_Data3 | GPI0124
                                                                         8b I2CA_SDA | GPI00
                                                         8a
                      I2CA_SCL|GPI01
                                                                         9b SCIC_RX GPI013
                                                         9a
                      SCIC_TX|GPI012
                                                                         10ь SPIA_MISO GPI017
                  SPIA_MOSI|GPI016
                                                                          11b SPIA_CLK | GPI018
                  SPIA_STEn | GPI019
                                                                         12b GND
                                           < GND
                                                                                                                                                                                                                                12b GND > 13b ADC_A1_N
                                                                         13b SPIC_MISO GPI0101
                                                                                                                                                                                      GND 12a
ADC_IN15_N 13a
ADC_IN14_P 15a
                SPIC_MOSI|GPI0100
                                                                          SPIC_CLK | GPI0102
                SPIC STER | GPI0103
                                                                                                                                                                                                                                 14b ADC_AO_P
                                                                          15b SPIB_MISO|GPI025
                  SPIB_MOSI|GPI024
                                                                                                                                                                                                 GND 15a
                                                                                                                                                                                                                                 15b GND
                                                                         16b SPIB_CLK | GPI026
                  SPIB_STEn | GPI027
                                                                                                                                                                                                                                 16b ADC_A5_N
                                                                           17b SCIB_RX|GPI023
                      SCIB_TX | GPI022
                                                                                                                                                                                            ADC_A3_N
                                                                         18b GND
                                                                                                                                                                                                                                17b ADC_A4_P
18b GND
                                          GND
                                                                                                                                                                                           ADC_A2_P
                                                                         19b GPI015_Err1
                                                                                                                                                                                                                 18a
19a
                            GPI020_nErr1
                                                                                                                                                                                                  GND
                                                                                                                                                                                                                               19b ADC_B3_N
20b ADC_B2_P
                                                                        20b GPI095_Err2
                           GPI021_nErr2
                                                                                                                                                                                           ADC_B1_N
                                                                         21b GPI099_Err3
                                                                                                                                                                                          ADC_BO_P 20a
                                                                                                                                                                                       GPI0104_nErr3
                            GPI014_nErr4
                                                                                    GPI096_Err4
                                       GP1033
                                                                         24b GND
     ENET_MDIO_CLK | GPI0105
                                                                         25b ENET_RMII_CLK | GPI073
                                          GND
                                                                         26b ENET_PPSO|GPI047
       ENET_MII_INTR | GPI0108
   ENET_MDIO_DATA | GPIO106
                                                                                     ENET_REVMII_MDIO_RST|GPI0107
                                                                           286 ENET_MII_RX_DV | GPI0112
         ENET_MII_COL | GPI0110
                                                                         29b ENET_PPS1 | GPI048
         ENET_MII_CRS | GPI0109
                                                                         30b ENET_MII_RX_Data0|GPI0114
  ENET_MII_RX_CLK | GPI0111
TOP RIGHT CONNECTOR to Pinheader
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	02x30_Row_Letter_Last	t 02x30_Row_Letter_Last
С	EPWMZA  GPI0147	WM1B   GPI0146   ESC_TX1_DATA3   GPI072   2a   2b   ESC_TX0_CLK   GPI085   3a   3b   ESC_TX0_CLK   GPI076   4b   ESC_TX0_CLK   GPI085   3a   3b   ESC_TX0_CLK   GPI085   3a   3b   ESC_TX0_CLK   GPI076   4b   ESC_TX0_CLK   GPI076   4b   ESC_TX0_CLK   GPI076   4b   ESC_TX0_CLK   GPI076   4b   ESC_TX0_CLK   GPI078   4b
D	EPWM15A   GPI0141   17a   17b   EPWM15A   GPI0141   18a   19b   GN   19b   EPWM16A   GPI0143   20a   20b   ESC_TXO_DATA2   GPI082   23a   25b   ESC_TXO_DATA3   GPI082   24a   24b   25b   ESC_TXO_DATA0   GPI086   ESC_PHY_CLK   GPI0154   27a   27a   27b   ESC_TXO_DATA0   GPI086   ESC_PHY_CLK   GPI0154   27a   27a   27a   27b   ESC_TXO_DATA0   GPI086   ESC_TXO_DATA0   GPI086   26a   26b   ESC_TXO_DATA0   GPI086   27a   27a   27b   ESC_TXO_DATA0   GPI086   27a   27b   ESC_TXO_DATA0   GPI086   27a   27b   ESC_TXO_DATA0   GPI087   27b   27b	WM14B   GP 0140

## PADERBORN UNIVERSITY DEPARTMENT OF POWER ELECTRONICS AND ELECTRICAL DRIVES Sheet: /Pinheaders/ File: Pinheaders.kicad\_sch

Title: LCB-CBD-01: Dock

 Size: A4
 Date: 2023-04-13
 Rev: 1.1.0

 KiCad E.D.A. kicad 7.0.1
 Id: 6/6