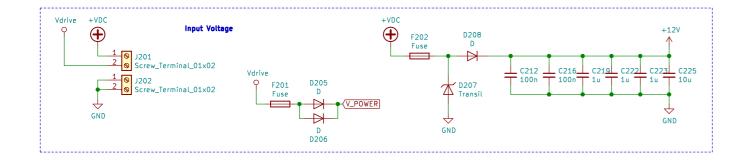
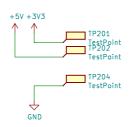
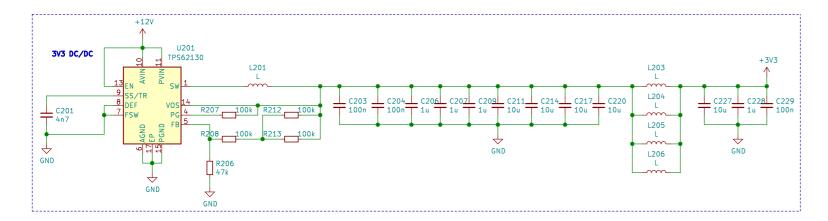
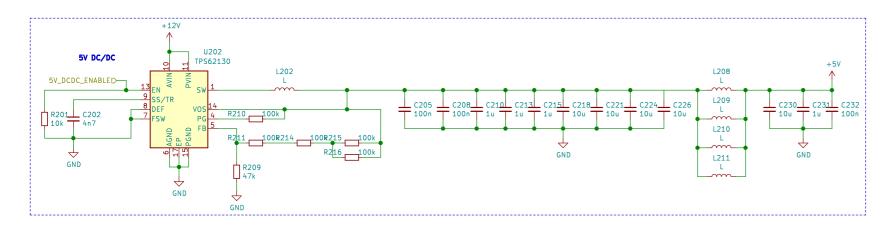
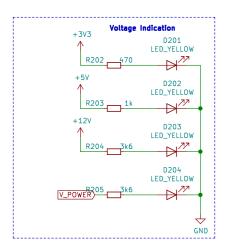
PowerOn_CRUISE_CONTROL <	Sheet: MCU		Sheet: Peripherals
PWM EN ENGINE CL	POWER_ON_CRUISE_CONTROL  PWM_CRUISE_CTRL	USART1_TX < USART1_RX <	DTX_GPS  DTX_GPS
PWM_EN_ENGINE C IN1_ENGINE C	>IN1_CNTRL_ENGINE	POWER_ON_GPSC	DPowerOn_GPS
IN2_ENGINE C	>IN2_CNTRL_ENGINE	BUZZER	DBUZZER
EN_ELECTRO_CLUTCH<	EN_ELECTRO_CLUTCH	USB_HS_P<	DUSB_DP
ENC1_BUTTON C ENC1_CH_AC	DENCODER_1_BUTTON DENCODER_1_B	USB_HS_NC	DUSB_DN
ENC1_CH_AC	DENCODER_1_B DENCODER_1_A		
ENC2_BUTTON C	ENCODER_2_BUTTON	NRST C	PRESET_BUTTON
ENC2_CH_AC	PENCODER_2_BOTTON  DENCODER_2_B	POWER_ON_LCD <	PowerOn_LCD
ENC2_CH_B C	ENCODER_2_A	12C2_SCL (	SCL_LCD
		I2C2_SDA<	SDA_LCD
		PWM_LCD_BACKLIGHT<	PWM_BACKLIGHT_LCD
le: CruiseControl.sch		USART6_TX_NODE	PRX_NODEMCU
		USART6_RX_NODE POWER_ON_NODEMCU	TX_NODEMCU  PowerOn_NODEMCU
		7 5 11 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	5.000.002.002.000
heet: Measurements		USB_OTG_FS_P<	DUSB_BTLD_DP
ADC_LM35_1_N <	ADC_21	USB_OTG_FS_NC	USB_BTLD_DN
ADC_LM35_1_PC	ADC_22	USB_OTG_FS_ID<	DUSB_BTLD_ID
ADC_LM35_2_P <	DADC_20 DADC_19		
ADC_LM35_Z_N C	DADC_19		En Bartin de la Companya de la Compa
ADC_LM35_3_N <	>ADC_17		File: Peripherals.sch
ADC_LM35_4_PC	DADC_2		
ADC_LM35_4_N <	DADC_1 DADC_0		
ADC_LM35_5_P<	>ADC_0 >ADC_23		Sheet: PowerSupply
ADC_RESISTANCE_SENS_1 C	DADC_7	DC_5V_ENABLE <	5V_DCDC_ENABLE
ADC_RESISTANCE_SENS_1 C	>ADC_/ >ADC_6	ADC_12 C	DADC_BOARD_TEMP_1
	DADC_5	ADC_13 C	ADC_BOARD_TEMP_2
ADC_POTENTIOMETER_1 <	>ADC_5 >ADC_4	ADC_14C	ADC_BOARD_TEMP_3
		ADC_9<	DADC_3V3
ADC_ACC_POSITION C	ADC_11 >ADC_10	ADC_8<	ADC_5V
OIL_PRESSURE_BINARY (	OIL_PRESSURE_BIN	ADC_3 <	ADC_VIN
ALTERNATOR_CHARGING C	DALTERNATOR_SIGNAL		
ADC_MAIN_BATTERYC ADC_AUX_BATTERYC	DADC_16 DADC_15		File: PowerSupply.sch
ADC_AUX_BATTERT C	DADC_13		
VEV ICUITION C	>KEY_IGNITION		
KEY_IGNITION C KEY_CRANKING C	DKEY_CRANKING		Sheet: Memory
BRAKE_PEDALC	DBRAKE_PEDAL	I2C3_SDA<	DEEPROM_SDA
CLUTCH_PEDALC	DCLUTCH_PEDAL	I2C3_SCL<	DEEPROM_SCL
RPM C		EEPROM_WP1<	EEPROM_WP1
SPEED	PPM_SIGNAL  SPEED_SIGNAL	EEPROM_WP2<	DEEPROM_WP2
l l	DIN_BINARY_8	POWER_ON_MICROSD C	PowerOn_MICROSD  SDIO_DATA0
IN_BIN_1 d IN_BIN_2 d	DIN_BINARY_7	SDIO_DO <	DSDIO_DATA1
IN_BIN_3<	DIN_BINARY_6	SDIO_D2<	DSDIO_DATA2
IN_BIN_4 <	IN_BINARY_5	SDIO_D3<	DSDIO_DATA3
IN_BIN_5	IN_BINARY_4 IN_BINARY_3	SDIO_CMD <	>SDIO_CMD >SDIO_CLK
IN_BIN_7	DIN_BINARY_2	MICROSD_DETECT<	MICROSD_DETECT
IN_BIN_8 C	IN_BINARY_1	I2C1_SDAC	DFRAM_SDA
		I2C1_SCLC	D FRAM_SCL
le: Measurements.sch		FRAM_WP1<	FRAM_WP
neet: Controls			Et a Maria de la Companya de la Comp
PWM_MOS_P_ON_1 <	PWM_TIM8_4		File: Memory.sch
	MOS_P_ON_7		
PWM_MOS_P_ON_2C	MOS_P_ON_6		
PWM_MOS_P_ON_3C			
PWM_MOS_P_ON_3C PWM_MOS_P_ON_4C	MOS_P_ON_5		Sheet: AdditionalSignals
PWM_MOS_P_ON_3 <	>PWM_TIM4_3	IN_BIN_17	DIN_BIN_9
PWM_MOS_P_ON_3 <	>PWM_TIM4_3 >PWM_TIM4_4 >PWM_TIM4_2	IN_BIN_16C	DIN_BIN_9 DIN_BIN_10
PWM_MOS_P_ON_3 <	>PWM_TIM4_3 >PWM_TIM4_4 >PWM_TIM4_2 >PWM_TIM4_1	IN_BIN_16 C IN_BIN_15 C	>IN_BIN_9 >IN_BIN_10 >IN_BIN_11
PWM_MOS_P_ON_3 <	>PWM_TIM4_3 >PWM_TIM4_4 >PWM_TIM4_2 >PWM_TIM4_1 >PWM_TIM5_2	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C	>IN_BIN_9
PWM_MOS_P_ON_3C PWM_MOS_P_ON_4C PWM_MOS_N_ON_1C PWM_MOS_N_ON_2C PWM_MOS_N_ON_3C PWM_MOS_N_ON_4C PWM_MOS_N_ON_5C PWM_MOS_N_ON_5C	>PWM_TIM4_3 >PWM_TIM4_4 >PWM_TIM4_2 >PWM_TIM4_1 >PWM_TIM5_2 >PWM_TIM5_1	IN_BIN_16	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14
PWM_MOS_P_ON_3 C PWM_MOS_P_ON_4 C  PWM_MOS_N_ON_1 C PWM_MOS_N_ON_2 C PWM_MOS_N_ON_3 C PWM_MOS_N_ON_3 C PWM_MOS_N_ON_5 C	>PWM_TIM4_3 >PWM_TIM4_4 >PWM_TIM4_2 >PWM_TIM4_1 >PWM_TIM5_2	IN_BIN_16 < IN_BIN_15 < IN_BIN_14 < IN_BIN_13 < IN_BIN_12 < IN_BIN_12 < IN_BIN_11 <	>IN_BIN_9 >IN_BIN_10 >IN_BIN_11 >IN_BIN_12 >IN_BIN_13 >IN_BIN_14 >IN_BIN_15
PWM_MOS_P_ON_3 <	> PWM_TIM4_3 > PWM_TIM4_4 > PWM_TIM4_2 > PWM_TIM4_1 > PWM_TIM5_2 > PWM_TIM5_1 > PWM_TIM5_3	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_12 C IN_BIN_10 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_15 DIN_BIN_16
PWM_MOS_P_ON_3 <	> PWM_TIM4_3 > PWM_TIM4_4 > PWM_TIM4_2 > PWM_TIM4_1 > PWM_TIM5_2 > PWM_TIM5_3 > PWM_TIM5_3 > PWM_TIM5_1	IN_BIN_16 < IN_BIN_15 < IN_BIN_14 < IN_BIN_13 < IN_BIN_12 < IN_BIN_12 < IN_BIN_11 <	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15
PWM_MOS_P_ON_3 <	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_1 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM1_1 DPWM_TIM1_2 DPWM_TIM1_2 DRELAY_ON_4 DRELAY_ON_3	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_12 C IN_BIN_10 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_15 DIN_BIN_16
PWM_MOS_P_ON_3 <	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_1 DPWM_TIM5_3 DPWM_TIM1_1 DPWM_TIM1_2 DPWM_TIM1_2 DPWM_TIM1_2 DRELAY_ON_4 DRELAY_ON_2	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_12 C IN_BIN_10 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_15 DIN_BIN_16
PWM_MOS_P_ON_3 <	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_1 DPWM_TIM5_3 DPWM_TIM5_1 DPWM_TIM1_2 DPWM_TIM1_2 DPWM_TIM1_2 DRELAY_ON_4 DRELAY_ON_2 DRELAY_ON_2 DRELAY_ON_1	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_12 C IN_BIN_10 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_15 DIN_BIN_16
PWM_MOS_P_ON_3 <	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_4 DRELAY_ON_2 DRELAY_ON_2 DRELAY_ON_1 DWIPERS_SIG2_ON	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_12 C IN_BIN_10 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_16 DIN_BIN_16 DIN_BIN_17
PWM_MOS_P_ON_3 <	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_1 DPWM_TIM5_1 DPWM_TIM5_1 DPWM_TIM5_2 DRELAY_ON_4 DRELAY_ON_4 DRELAY_ON_5 DRELAY_ON_1 DWIPERS_SIG_ON DWIPERS_SIG_ON	IN_BIN_16 C IN_BIN_15 C IN_BIN_15 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_9 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_15 DIN_BIN_16
PWM_MOS_P_ON_3 C PWM_MOS_P_ON_4 C PWM_MOS_N_ON_1 C PWM_MOS_N_ON_2 C PWM_MOS_N_ON_3 C PWM_MOS_N_ON_5 C PWM_MOS_N_ON_5 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_7 C PWM_MOS_N_ON_7 C PWM_MOS_N_ON_9 C  RELAY_ON_1 C RELAY_ON_1 C RELAY_ON_3 C RELAY_ON_4 C	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_4 DRELAY_ON_2 DRELAY_ON_2 DRELAY_ON_1 DWIPERS_SIG2_ON	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_12 C IN_BIN_10 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_16 DIN_BIN_16 DIN_BIN_17
PWM_MOS_P_ON_3 <	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_4 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_1 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_T	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_16 DIN_BIN_16 DIN_BIN_17
PWM_MOS_P_ON_3 C PWM_MOS_P_ON_4 C PWM_MOS_N_ON_1 C PWM_MOS_N_ON_2 C PWM_MOS_N_ON_3 C PWM_MOS_N_ON_5 C PWM_MOS_N_ON_5 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_7 C PWM_MOS_N_ON_9 C RELAY_ON_1 C RELAY_ON_1 C RELAY_ON_3 C RELAY_ON_3 C RELAY_ON_3 C RELAY_ON_3 C RELAY_ON_4 C WIPERS_SIG_ON C WIPERS_SIG_ON C IN_WIPERS_ON C	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM12_1 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_3 DRELAY_ON_3 DRELAY_ON_1 DWIPERS_SIG2_ON DWIPERS_SIG3_ON DWIPERS_SIG5_ON DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_FAST	IN_BIN_16 C IN_BIN_15 C IN_BIN_15 C IN_BIN_13 C IN_BIN_12 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C IN_BIN_9 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_16 DIN_BIN_16 DIN_BIN_17
PWM_MOS_P_ON_3 C PWM_MOS_P_ON_4 C PWM_MOS_N_ON_1 C PWM_MOS_N_ON_2 C PWM_MOS_N_ON_3 C PWM_MOS_N_ON_5 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_8 C PWM_MOS_N_ON_8 C PWM_MOS_N_ON_8 C PWM_MOS_N_ON_9 C  RELAY_ON_1 C RELAY_ON_2 C RELAY_ON_2 C RELAY_ON_2 C RELAY_ON_3 C RELAY_ON_4 C WIPERS_SIG2_ON C WIPERS_SIG3_ON C WIPERS_SIG5_ON C IN_WIPERS_SLOW C IN_WIPERS_SL	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_4 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_1 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_T	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_16 DIN_BIN_16 DIN_BIN_17
PWM_MOS_P_ON_3 C PWM_MOS_P_ON_4 C PWM_MOS_N_ON_1 C PWM_MOS_N_ON_2 C PWM_MOS_N_ON_3 C PWM_MOS_N_ON_5 C PWM_MOS_N_ON_5 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_8 C PWM_MOS_N_ON_8 C PWM_MOS_N_ON_8 C PWM_MOS_N_ON_9 C RELAY_ON_1 C RELAY_ON_2 C RELAY_ON_2 C RELAY_ON_2 C RELAY_ON_2 C RELAY_ON_6 C WIPERS_SIG_ON C WIPERS_SIG_ON C WIPERS_SIG_ON C WIPERS_SIG_ON C IN_WIPERS_SIO C IN_	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM12_1 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_3 DRELAY_ON_3 DRELAY_ON_1 DWIPERS_SIG2_ON DWIPERS_SIG3_ON DWIPERS_SIG5_ON DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_FAST	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_16 DIN_BIN_16 DIN_BIN_17
PWM_MOS_P_ON_3 C PWM_MOS_P_ON_4 C PWM_MOS_N_ON_1 C PWM_MOS_N_ON_2 C PWM_MOS_N_ON_3 C PWM_MOS_N_ON_4 C PWM_MOS_N_ON_5 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_7 C PWM_MOS_N_ON_9 C RELAY_ON_1 C RELAY_ON_2 C RELAY_ON_3 C RELAY_ON_3 C RELAY_ON_3 C RELAY_ON_4 C WIPERS_SIG3_ON C WIPERS_SIG5_ON C IN_WIPERS_SIG5_ON C IN_WIPERS_FAST C MOS_P_ON_5 C MOS_P_ON_5 C MOS_P_ON_5 C MOS_P_ON_5 C	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM12_1 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_3 DRELAY_ON_3 DRELAY_ON_1 DWIPERS_SIG2_ON DWIPERS_SIG3_ON DWIPERS_SIG5_ON DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_FAST	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C	DIN_BIN_9 DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_16 DIN_BIN_16 DIN_BIN_17
PWM_MOS_P_ON_3 C PWM_MOS_P_ON_4 C  PWM_MOS_N_ON_1 C PWM_MOS_N_ON_2 C PWM_MOS_N_ON_3 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_7 C PWM_MOS_N_ON_7 C PWM_MOS_N_ON_9 C  RELAY_ON_1 C RELAY_ON_2 C RELAY_ON_2 C RELAY_ON_3 C RELAY_ON_4 C WIPERS_SIG2_ON C WIPERS_SIG3_ON C WIPERS_SIG5_ON C IN_WIPERS_ON C IN_WIPERS_SION C IN_WIPERS	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM12_1 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_3 DRELAY_ON_3 DRELAY_ON_1 DWIPERS_SIG2_ON DWIPERS_SIG3_ON DWIPERS_SIG5_ON DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_FAST	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C	DIN_BIN_10 DIN_BIN_11 DIN_BIN_12 DIN_BIN_13 DIN_BIN_14 DIN_BIN_15 DIN_BIN_15 DIN_BIN_16 DIN_BIN_17
PWM_MOS_P_ON_3 <	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM12_1 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_3 DRELAY_ON_3 DRELAY_ON_1 DWIPERS_SIG2_ON DWIPERS_SIG3_ON DWIPERS_SIG5_ON DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_FAST	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C	IN_BIN_9  IN_BIN_11  IN_BIN_12  IN_BIN_13  IN_BIN_15  IN_BIN_15  IN_BIN_16  IN_BIN_16  IN_BIN_17
PWM_MOS_P_ON_3 <	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM12_1 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_3 DRELAY_ON_3 DRELAY_ON_1 DWIPERS_SIG2_ON DWIPERS_SIG3_ON DWIPERS_SIG5_ON DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_FAST	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C	IN_BIN_9  DIN_BIN_10  DIN_BIN_11  DIN_BIN_12  DIN_BIN_13  DIN_BIN_15  DIN_BIN_15  DIN_BIN_16  DIN_BIN_17  File: AdditionalSignals.sch  Wojciech Grzeliński Sheet: /
PWM_MOS_P_ON_3 C PWM_MOS_P_ON_4 C PWM_MOS_N_ON_1 C PWM_MOS_N_ON_2 C PWM_MOS_N_ON_3 C PWM_MOS_N_ON_4 C PWM_MOS_N_ON_5 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_6 C PWM_MOS_N_ON_7 C PWM_MOS_N_ON_9 C RELAY_ON_1 C RELAY_ON_2 C RELAY_ON_3 C RELAY_ON_3 C RELAY_ON_3 C RELAY_ON_4 C WIPERS_SIG3_ON C WIPERS_SIG5_ON C IN_WIPERS_SIG5_ON C IN_WIPERS_FAST C MOS_P_ON_5 C MOS_P_ON_5 C MOS_P_ON_5 C MOS_P_ON_5 C	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM12_1 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_3 DRELAY_ON_3 DRELAY_ON_1 DWIPERS_SIG2_ON DWIPERS_SIG3_ON DWIPERS_SIG5_ON DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_FAST	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C	IN_BIN_9  DIN_BIN_10  DIN_BIN_11  DIN_BIN_12  DIN_BIN_13  DIN_BIN_15  DIN_BIN_16  DIN_BIN_16  DIN_BIN_17   Wojciech Grzeliński  Sheet: / File: BodyComputer_v2.sch
PWM_MOS_P_ON_3 <	DPWM_TIM4_3 DPWM_TIM4_4 DPWM_TIM4_2 DPWM_TIM4_1 DPWM_TIM5_2 DPWM_TIM5_3 DPWM_TIM5_3 DPWM_TIM5_2 DPWM_TIM5_2 DPWM_TIM12_1 DPWM_TIM12_1 DPWM_TIM12_2 DRELAY_ON_4 DRELAY_ON_3 DRELAY_ON_3 DRELAY_ON_1 DWIPERS_SIG2_ON DWIPERS_SIG3_ON DWIPERS_SIG5_ON DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_SLOW DIN_WIPERS_FAST	IN_BIN_16 C IN_BIN_15 C IN_BIN_14 C IN_BIN_13 C IN_BIN_12 C IN_BIN_11 C IN_BIN_10 C IN_BIN_10 C IN_BIN_9 C	IN_BIN_9  IN_BIN_10  IN_BIN_11  IN_BIN_12  IN_BIN_13  IN_BIN_15  IN_BIN_16  IN_BIN_16  IN_BIN_17   Wojciech Grzeliński  Sheet: /

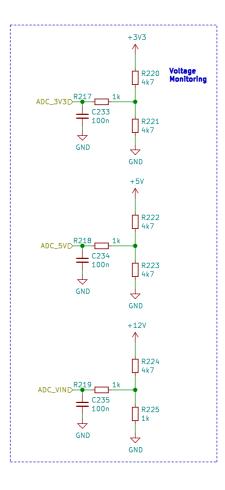


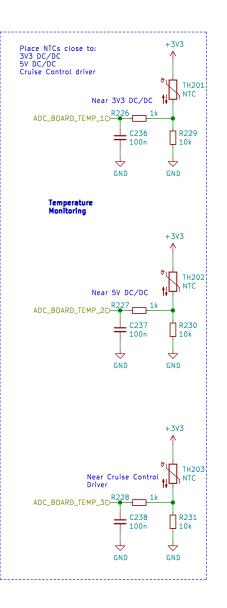










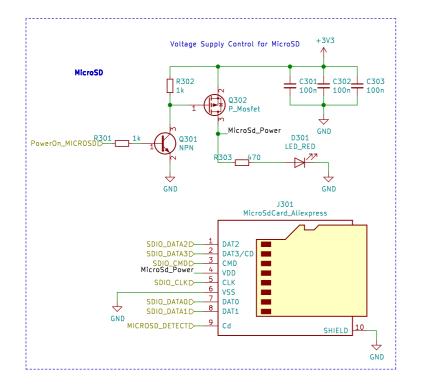


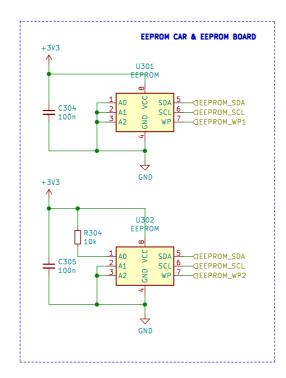
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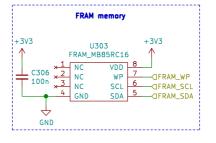
 
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 Date: 2021-02-18

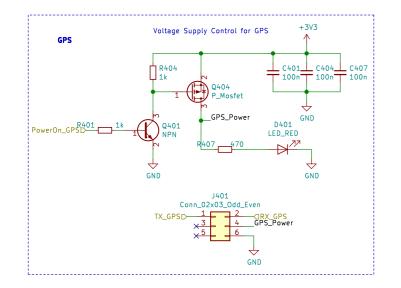
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 Rev: V2.0

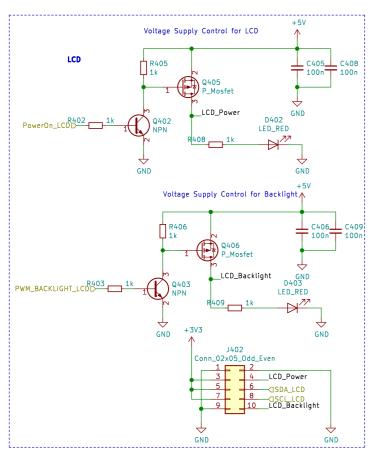


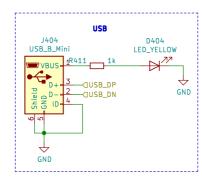


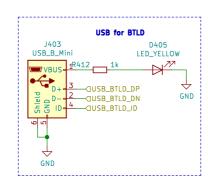


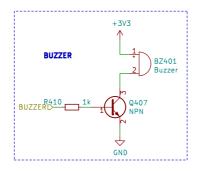
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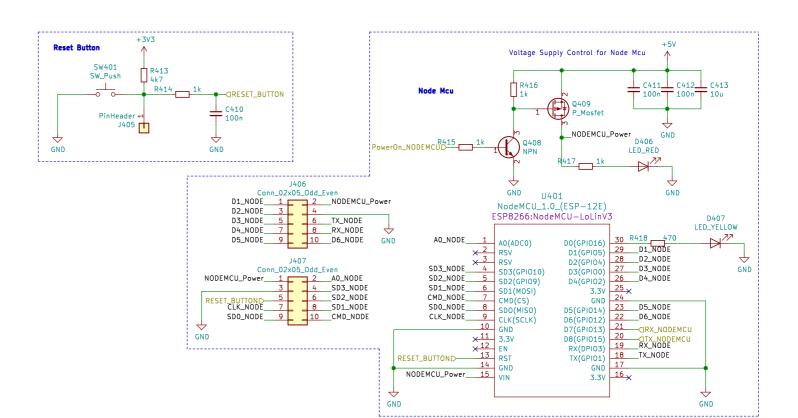










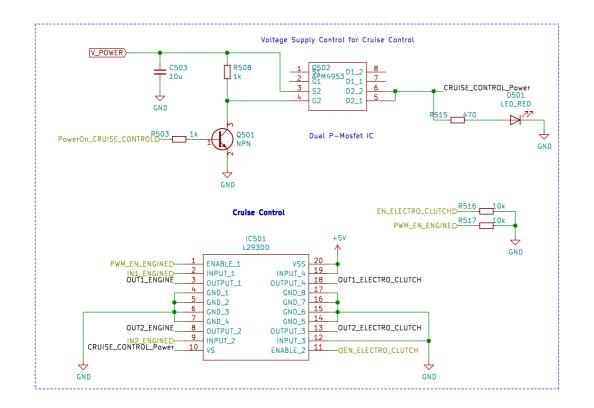


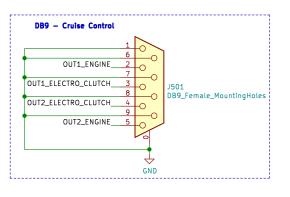
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File: Peripherals.sch

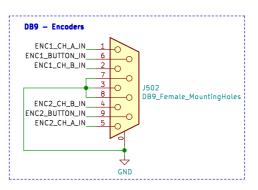
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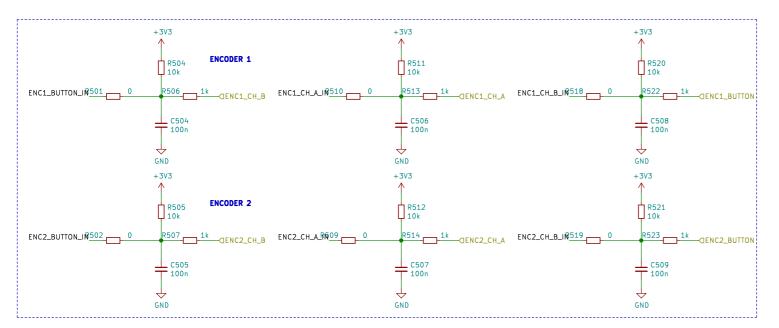
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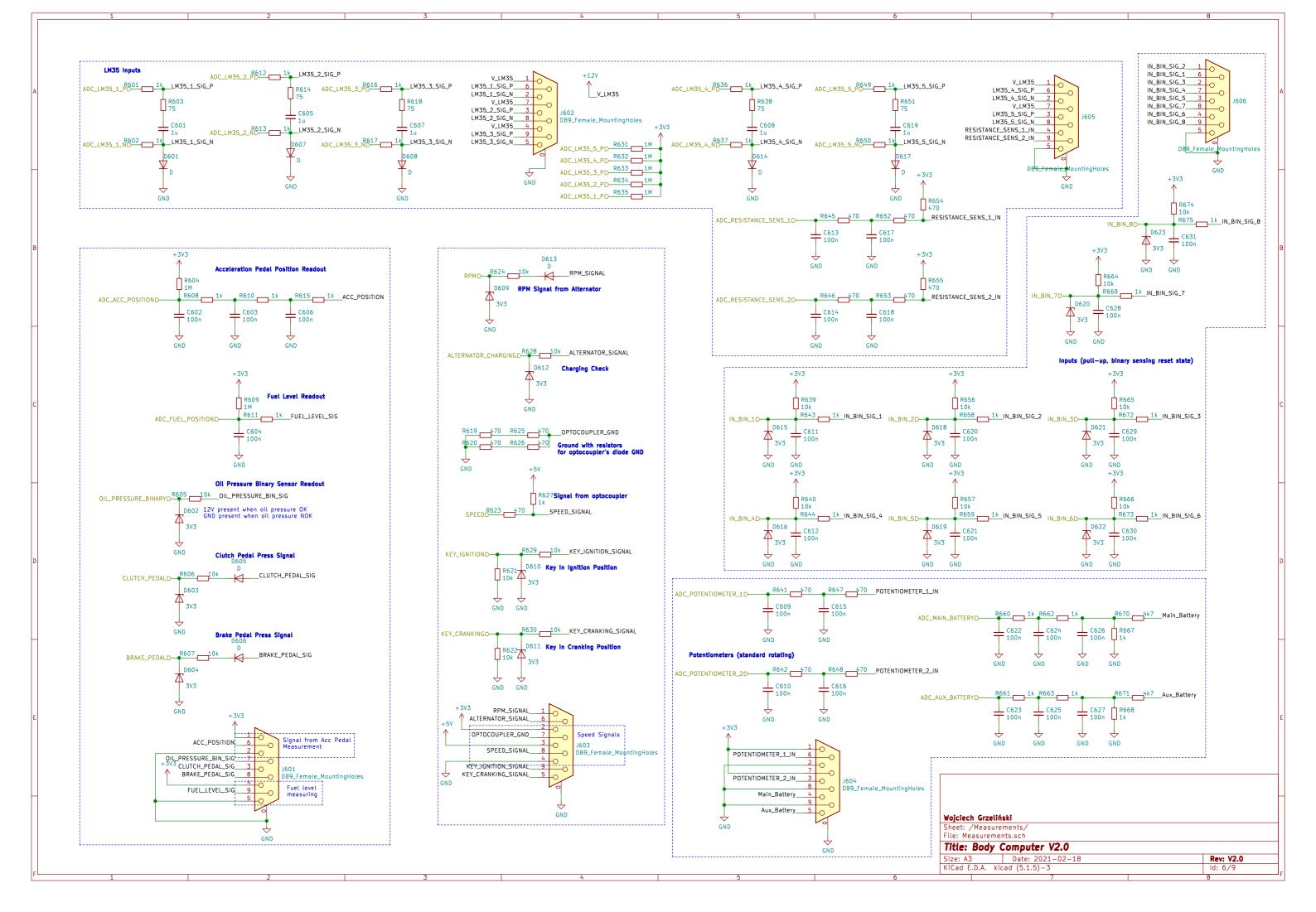
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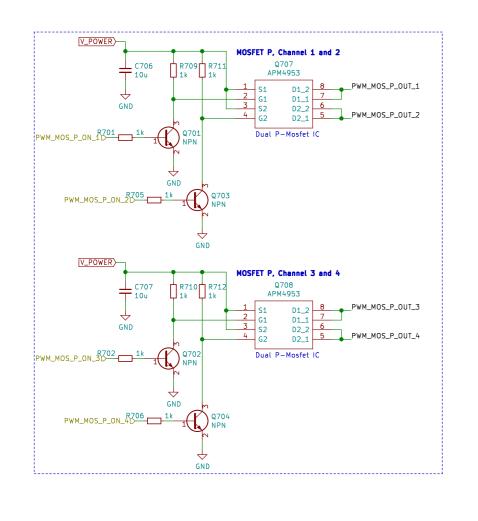
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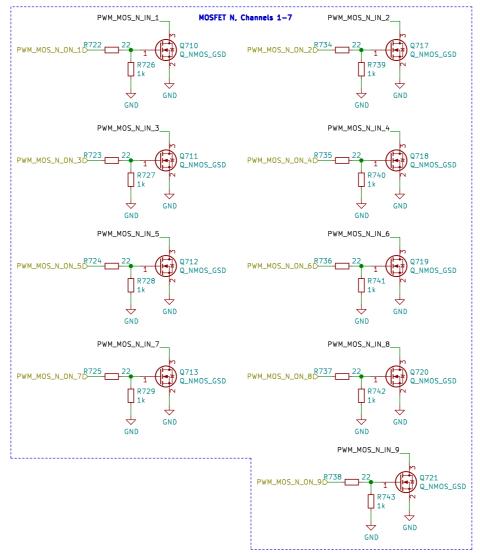
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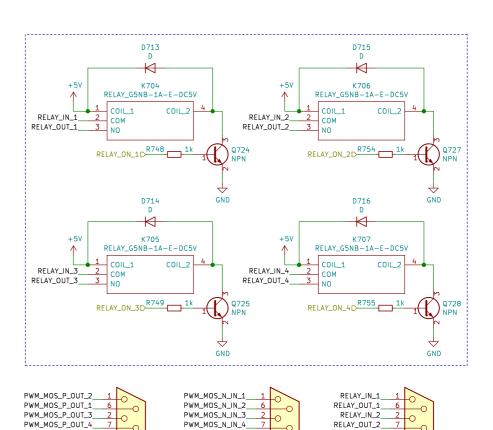
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 Id: 5/9









PWM\_MOS\_N\_IN\_5

PWM\_MOS\_N\_IN\_7

PWM MOS N IN 8

PWM MOS N IN 6

PWM\_MOS\_N\_IN\_9

DB9\_Female\_Mount

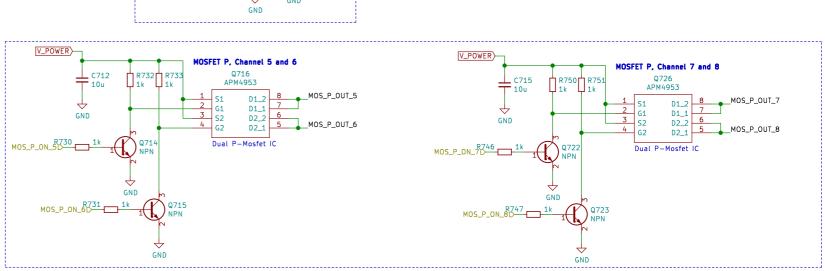
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RELAY\_IN\_3 4

RELAY\_IN\_4 5

DB9\_Female\_MountingHoles



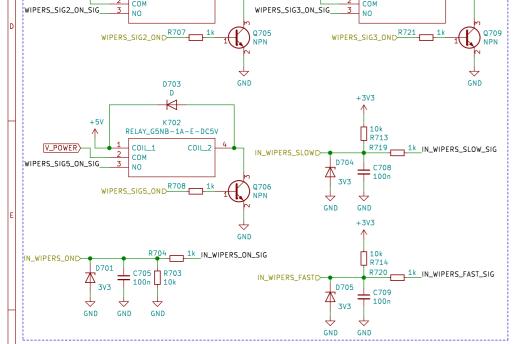
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MOS\_P\_OUT\_6\_\_\_4

DB9 Female Mount

MOS\_P\_OUT\_8

MOS\_P\_OUT\_7\_



V\_POWER>

H

RELAY\_G5NB-1A-E-DC5V

COIL\_2

COIL\_1

D702

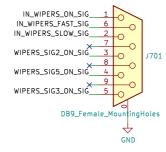
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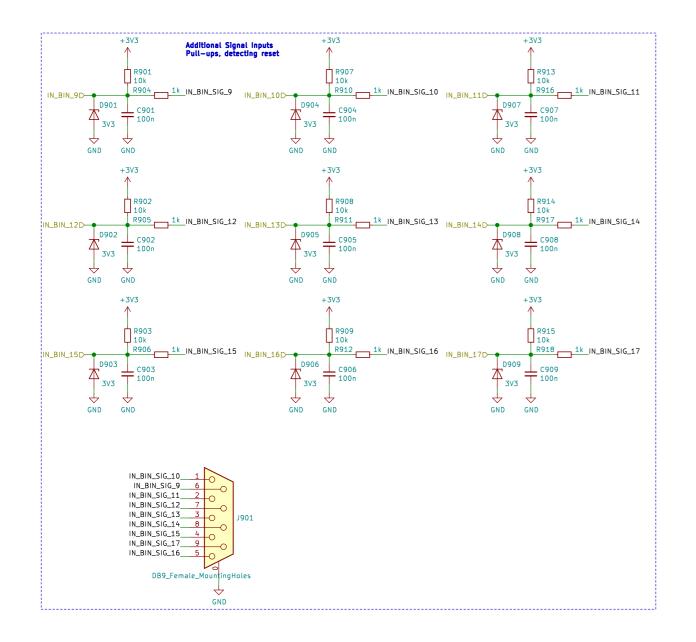
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COIL\_1

V\_POWER>



Wojciech Grzeliński Sheet: /Controls/ File: Controls.sch Title: Body Computer V2.0 Size: A3 Date: 2021-02-18 KiCad E.D.A. kicad (5.1.5)-3 Rev: V2.0



**Wojciech Grzeliński**Sheet: /AdditionalSignals/
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 Title: Body Computer V2.0

 Size: A3
 Date: 2021-02-18

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