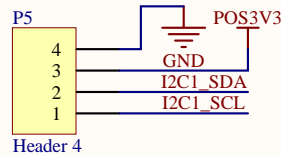
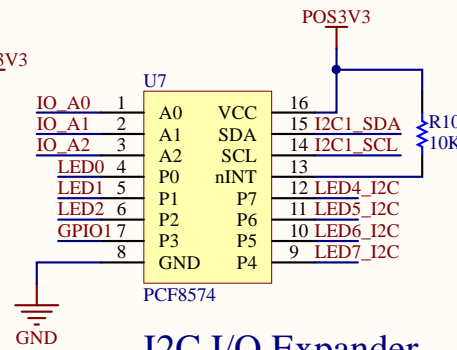


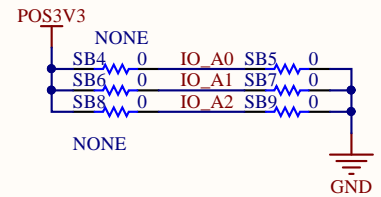
Pressure Sensor



LCD

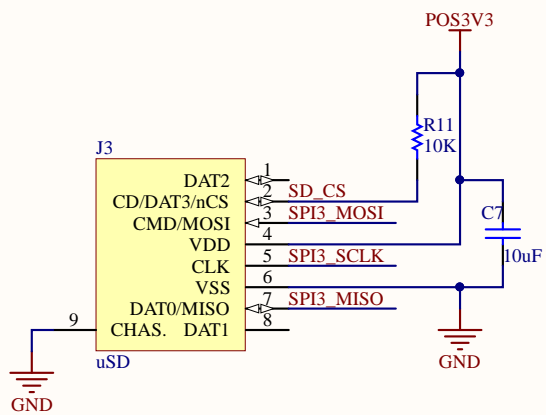


I2C I/O Expander



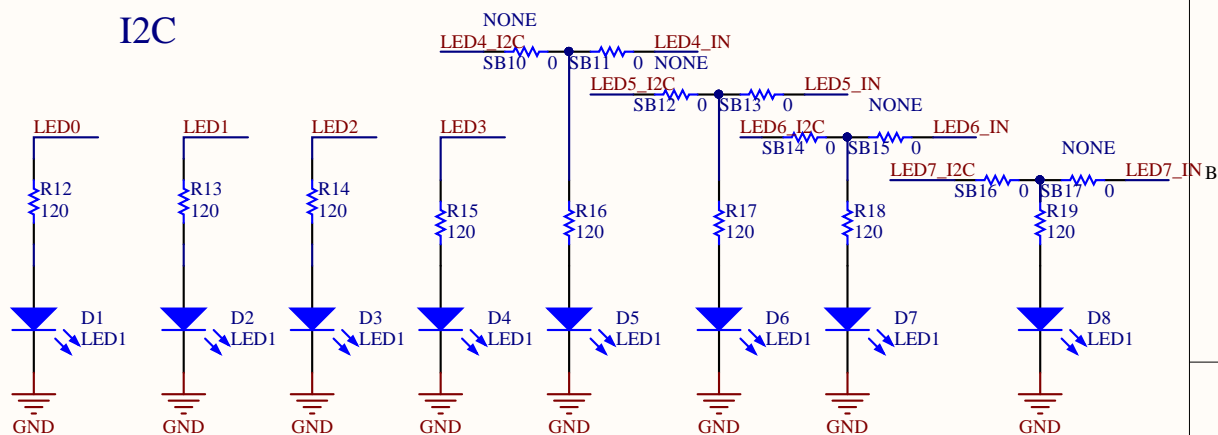
Only populate the pull-up or pull-down resistor

I2C Devices

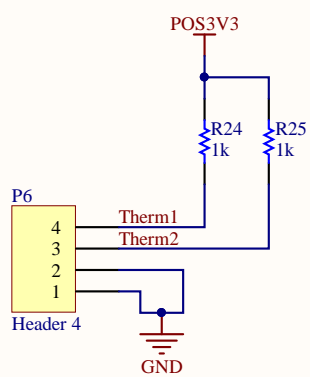


Micro SD Card Holder

I2C



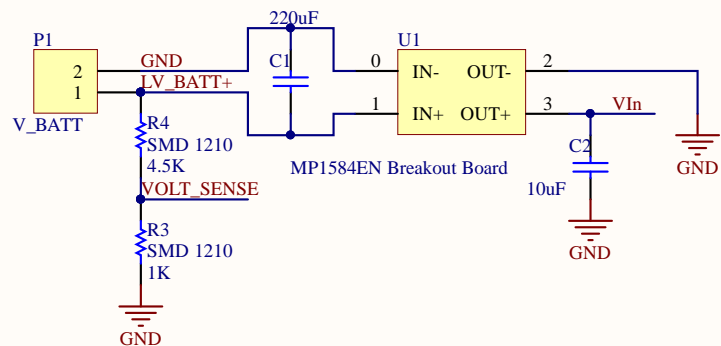
Control Panel LEDs



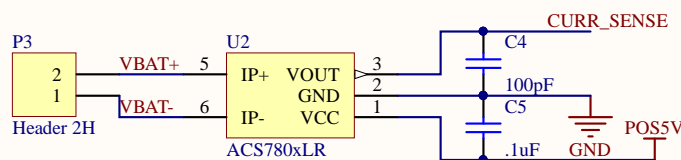
LV Batt Therm

Title		
CCP_IO.SchDoc		
Size	Number	Revision
A		
Date:	4/5/2018	Sheet of
File:	C:\Users\...\CCP_IO.SchDoc	Drawn By:

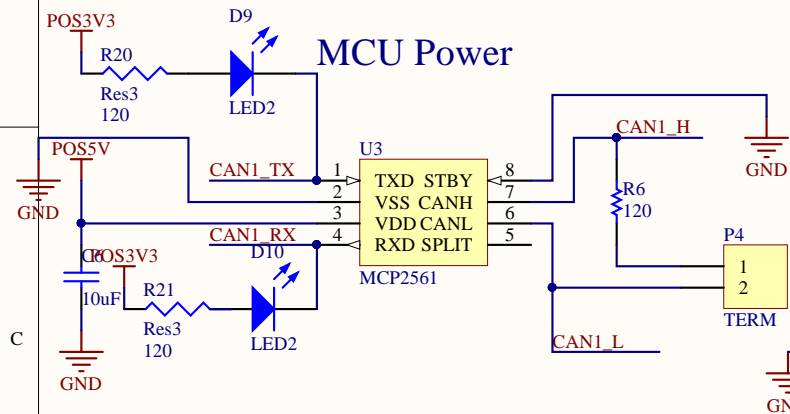
A



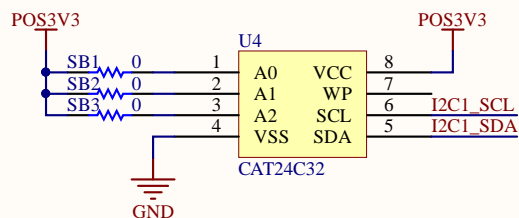
B



C

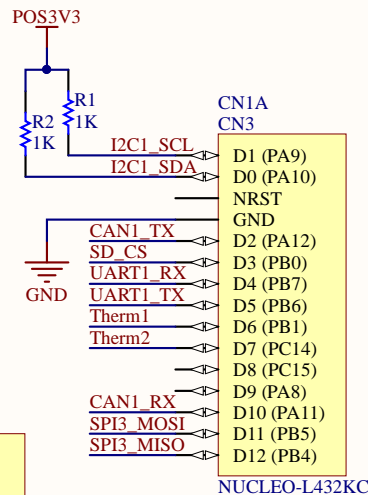
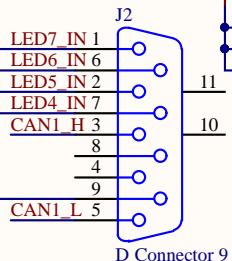
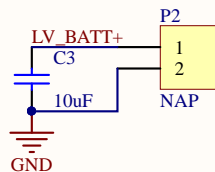


CAN Transceiver with Optional (non-split) Termination

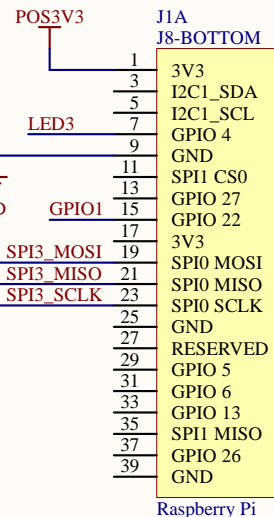


EEPROM - Address Pins Pulled Down Internally

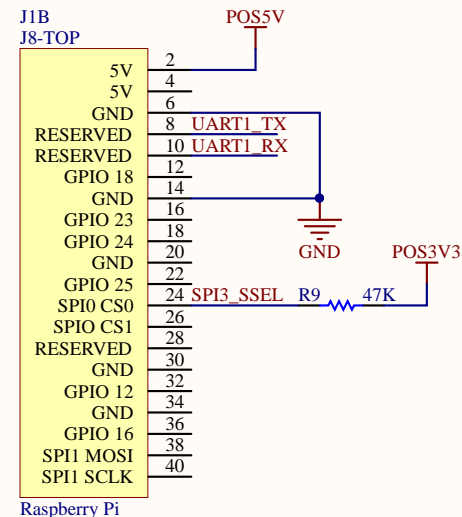
NAP POWER



Nucleo Headers

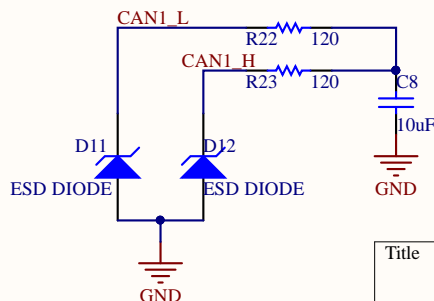


Raspberry Pi



Raspberry Pi

Raspberry Pi Header



Title		
CCP_MCU.SchDoc		
Size	Number	Revision
A		
Date:	4/5/2018	Sheet of
File:	C:\Users\...\CCP_MCU.SchDoc	Drawn By:

A

B

C

D

Comment	Description	Designator	Footprint	LibRef	Quantity
Cap	Capacitor	C1	CAPR5-4X5	Cap	1
Cap	Capacitor	C2, C3, C6, C7, C8	C1206	Cap	5
Cap Semi	Capacitor (Semiconductor SIM Model)	C4	1608[0603]	Cap Semi	1
Cap Semi	Capacitor (Semiconductor SIM Model)	C5	C1206	Cap Semi	1
NUCLEO-L432KC	STM32L432KC Development Board	CN1	NUCLEO-32	NUCLEO-L432KC	1
LED1	Typical RED GaAs LED	D1, D2, D3, D4, D5, D6, D7, D8	2 Pin Jumper	LED1	8
LED2	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D9, D10	3.2X1.6X1.1	LED2	2
ESD DIODE	Zener Diode	D11, D12	6-0805_M	D Zener	2
Raspberry Pi	2x20 Header	J1	Raspberry Pi - CCP Outline	Raspberry Pi	1
D Connector 9	Receptacle Assembly, 9 Position, Right Angle	J2	DSUB1.385-2H9	D Connector 9	1
uSD		J3	MICRO_SD_HOLDER	SD Card	1
V_BATT	Header, 2-Pin	P1	2POS TERM BLOCK	Header 2	1
NAP	Header, 2-Pin	P2	2POS TERM BLOCK	Header 2	1
Header 2H	Header, 2-Pin, Right Angle	P3	2POS TERM BLOCK	Header 2H	1
TERM	Header, 2-Pin	P4	HDR1X2	Header 2	1
Header 4	Header, 4-Pin	P5	4POS TERM BLOCK	Header 4	1
Header 4	Header, 4-Pin	P6	HDR1X4	Header 4	1
Res1	Resistor	R1, R2, R5, R6, R7, R8, R9, R10, R11, R22, R23, R24, R25, SB1, SB2, SB3, SB4, SB5, SB6, SB7, SB8, SB9, SB10, SB11, SB12, SB13, SB14, SB15, SB16, SB17	6-0805_M	Res1	30
SMD 1210	Resistor	R3, R4	14-1210	Res1	2
Res1	Resistor	R12, R13, R14, R15, R16, R17, R18, R19	1206	Res1	8
Res3	Resistor	R20, R21	J1-0603	Res3	2
MP1584EN Breakout Board	Buck Converter	U1	MP1584EN Breakout	MP1584EN Breakout Board	1
ACS780xLR	Hall-Effect Current Sensor	U2	7-pin PSOF	ACS780xLR	1
MCP2561	CAN Transciever	U3	SO8_L	MCP2561	1
CAT24C32	I2C EEPROM	U4	SO8_N	CAT24C32	1
SSCMNNN030PA2A3	Honeywell Digital Pressure Sensor	U6	8-SMT	SSCMNNN030PA2A3	1
PCF8574	I2C I/O Expander	U7	16-SOIC	PCF8574	1