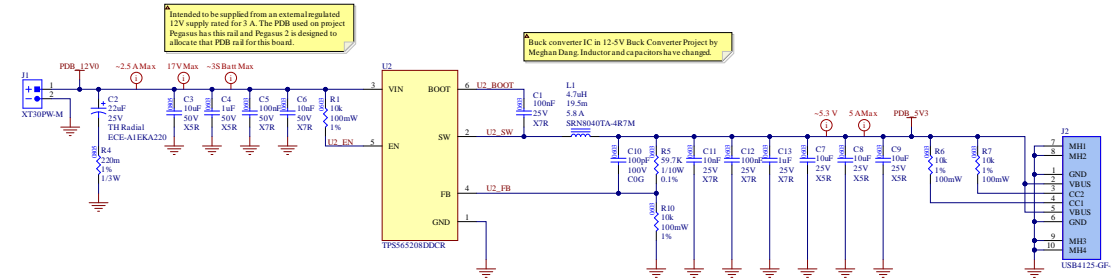


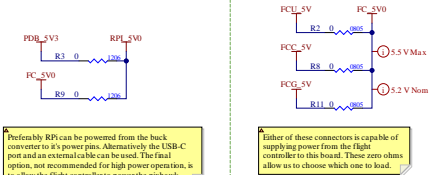
RPI Interface Rev B

<https://uwarg-docs.atlassian.net/wiki/spaces/EL/pages/2594996231/RPI+Interface+Rev+B>

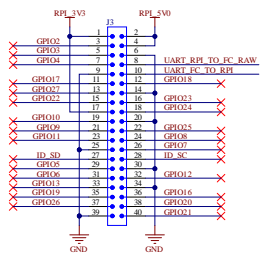
RPI Power Supply



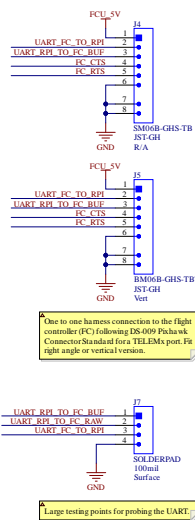
FC CAN Power



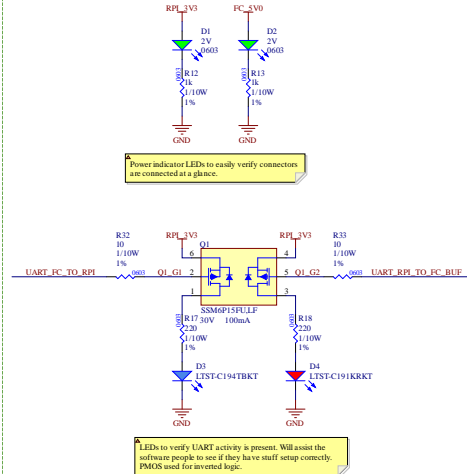
RPI Connection



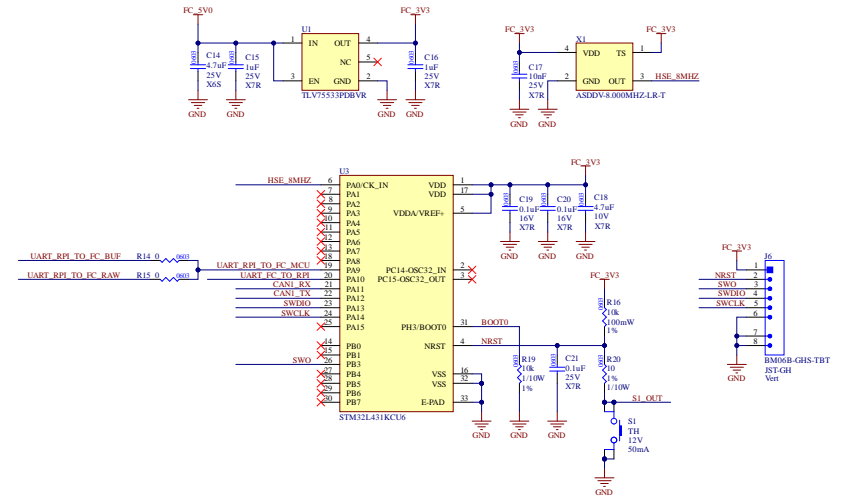
UART Connectors



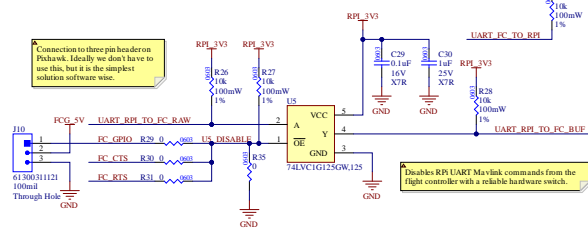
LEDs



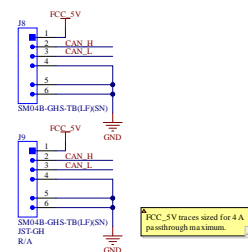
CAN Circuit

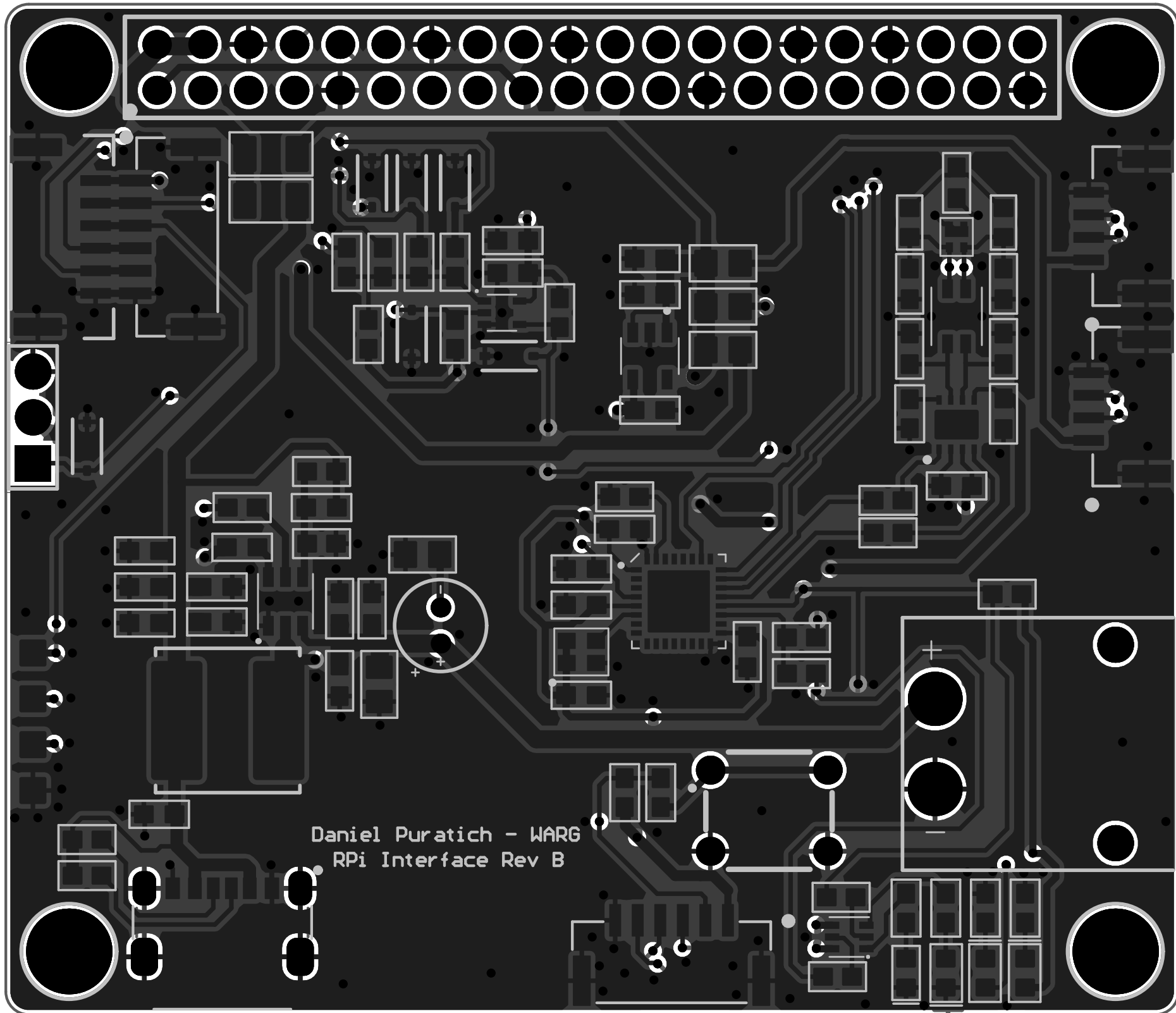


UART Killswitch



CAN Connectors





Comment	Description	Designator	Footprint	LibRef	Quantity
CL10B104K6NNNC	CAP CER0.1UF 25V X7R 0603	C1, C12, C22	CAP_0603-Footprint-1	CMP-00057-2	3
ECE-A1BK4220	CAP ALUM 22UF 20% 25V RADIAL TH	C2	ECE-A1BK4220-Footprint-1	CMP-00311-1	1
GRM21BR61H106K43L	CAP CER 10uF 50V X5R 0603	C3	CAP_0603-Footprint-1	CMP-001-00009-5	1
GR118R61H105K43D	CAP CER 1UF 50V X5R 0603	C4	CAP_0603-Footprint-1	CMP-00096-4	1
OGA3E2X7R1H104K80AA	CAP CER0.1UF 50V X7R 0603	C5	CAP_0603-Footprint-1	CMP-00227-5	1
GOM188R71H103K437D	CAP CER0.01UF 50V X7R 0603	C6	CAP_0603-Footprint-1	CMP-00050-3	1
GRM188R61E106K4V3J	CAP CER 10UF 25V X5R 0603	C7, C8, C9	CAP_0603-Footprint-1	CMP-00056-4	3
GCM1885C2A101JA16D	CAP CER 100PF 100V COG/NPO 0603	C10	CAP_0603-Footprint-1	CMP-001-00085-1	1
CO0603R007R88B103	CAP CER 10nF 25V X7R 0603	C11, C17	CAP_0603-Footprint-1	CMP-00217-1	2
GOM188R71E105K464D	CAP CER 1UF 25V X7R 0603	C13, C15, C16, C30	CAP_0603-Footprint-1	CMP-00240-2	4
GRM188C1E475K11D	CAP CER 4.7uF 25V X6S 0603	C14	CAP_0603-Footprint-1	CMP-001-00002-10	1
GRM188Z71A475K15J	CAP CER 4.7UF 10V X7R 0603	C18	CAP_0603-Footprint-1	CMP-001-00045-2	1
GOM188R71C104K437D	CAP CER 100nF 16V X7R 0603	C19, C20, C23, C29	CAP_0603-Footprint-1	CMP-001-00003-9	4
GCJ188R71E104K412D	CAP CER0.1UF 25V X7R 0603	C21	CAP_0603-Footprint-1	CMP-001-00036-3	1
CO0603RNF068N220	CAP CER 22PF 50V COG/NPO 0603	C24, C25, C26, C27	CAP_0603-Footprint-1	CMP-00246-3	4
GOM188R71H472K437D	CAP CER 4700PF 50V X7R 0603	C28	CAP_0603-Footprint-1	CMP-001-00080-1	1
LTST-C191KGKT	LED GREEN 2V 0603	D1, D2	LED_0603-Footprint-1	CMP-001-00018-6	2
LTST-C194TBKT	LED BLUE CLEAR 0603 SMD	D3	LTST-C194TBKT-Footprint-1	CMP-00017-3	1
LTST-C191KRKT	LED RED 2V 0603	D4	LED_0603-Footprint-1	CMP-004-00004-5	1
DES05V0U1BA-7	TVS DIODE 5V V(RWM), Bidirectional, 1 Element, Silicon	D5, D6, D7, D8, D10	DES05V0U1BA-7-Footprint-1	CMP-00145-5	6
PESD2CANFD24U-QCZ	TVS DIODE 24VMM 43VC DFN1412D-3	D11	PESD2CANFD24U-QCZ-Footprint-1	CMP-00239-5	1
ACT1210D-510-2P-TL00	QMC 50UH 115MA 2LN 2.3KOHM SMD	FL1	ACT1210D-510-2P-TL00-Footprint-1	CMP-00243-2	1
XTB0P4VMM	Board Mount XT30P4V-M 2 Pin Male Connector	J1	XTB0P4VMM-Footprint-1	CMP-00134-3	1
USB4125-GF-A	CONN RCPT TYPE C 6P SMD RA	J2	USB4125-GF-A-Footprint-1	CMP-0024878-6	1
PPPC202LFBN-RC	CONN HDR 40POS 2.54mm VERT	J3	PPPC202LFBN-RC-Footprint-1	CMP-00254-3	1
SM06B-GHS-TB	CONN HEADER SMD RA 6POS 1.25MM	J4	SM06B-GHS-TB	CMP-00248-3	1
BM06B-GHS-TBT	Connector Header Surface Mount 6 position 0.049" (1.25mm)	J5, J6	BM06B-GHS-TBT-Footprint-1	CMP-002-00014-8	2
SOLDERPAD	Solder Pad 4 Pin 2.54mm pitch	J7	SOLDERPAD_4PIN-Footprint-1	CMP-00291-1	1
SM04B-GHS-TB(UF)(SN)	Conn Shrouded Header HDR 4 POS 1.25mm Solder RA SMD Reel	J8, J9	CONN_SMD4B-GHS-TB_ST	CMP-068-000000-5	2
61300311121	CONN HDR3 POS 2.54	J10	61300311121	CMP-00111-3	1
SRN8040TA-4R7M	RXSD IND 4.7UH 5.8A 19.5MOHM SMD	L1	SRN8040TA-4R7M-Footprint-1	CMP-00310-1	1
M2.5HOLE-STANDARD	M2.5 Clearance Hole Normal Fit	MH1, MH2, MH3, MH4	STANDARD-Footprint-1	CMP-00308-1	4
SSM6P15FULF	MOSFET 2PCH 30V 0.1A US8	Q1	SSM6N7002RFULF-Footprint-1	CMP-00313-2	1
AC0603FR-1310KL	RES 10K OHM 1% 1/10W 0603	R1, R6, R7, R10, R16, R26, R27, R28, R34	RES_0603-Footprint-1	CMP-009-00054-3	9
RC0805JR-070RL	RES 0 OHM JUMPER 1/8W 0805	R2, R8, R11	RES_0805-Footprint-1	CMP-009-00076-3	3
RC1206JR-070RL	RES 0 OHM JUMPER 1/4W 1206	R3, R9	RES_1206-Footprint-1	CMP-00316-1	2
RL1220S-R22-F	RES 22 OHM 1% 1/3W 0805	R4	RES_0805-Footprint-1	CMP-00300-1	1
RT0603BRD0759KL	RES 33.7K OHM 0.1% 1/10W 0603	R5	RES_0603-Footprint-1	CMP-00244-3	1
RC0603FR-071KL	RES 1K OHM 1% 1/10W 0603	R12, R13	RES_0603-Footprint-1	CMP-009-00012-4	2
RC0603FR-070RL	RES 0 OHM JUMPER 1/10W 0603	R14, R15, R29, R30, R31, R35	RES_0603-Footprint-1	CMP-00139-2	6
RC0603FR-07220RL	RES 220 OHM 1% 1/10W 0603	R17, R18	RES_0603-Footprint-1	CMP-00317-1	2
RC0603FR-0710KL	RES 10K OHM 1% 1/10W 0603	R19, R25	RES_0603-Footprint-1	CMP-009-00006-5	2
RC0603FR-0710RL	RES 10 OHM 1% 1/10W 0603	R20, R21, R22, R32, R33	RES_0603-Footprint-1	CMP-009-00084-2	5
RC0603FR-1360RL	RES 33.7 OHM 1% 1/10W 0603	R23, R24	RES0603	CMP-00245-1	2
TS02-66-70-BK-160-LCR-D	SWITCH TACTILE SPST NO 0.05A 12V	S1	TS02-66-70-BK-160-LCR-D-Footprint-1	CMP-00309-1	1
TLV75533PDB/R	IC REG LINEAR 3.3V 500MA SOT23-5	U1	SOT23-5	CMP-00225-4	1
TPS65208DDCR	IC REG BUCK ADJ 5A SOT23	U2	TPS65208DDCR-Footprint-1	CMP-00229-3	1
STM32L431KCU6	IC MCU 32BIT 256KB FLASH 32UFGFN	U3	STM32L431KCU6-Footprint-1	CMP-00224-6	1
TJA1051TK3,118	IC TRANSCEIVER HALF 1/1 8-BVSON	U4	TJA1051TK3,118-Footprint-1	CMP-00219-3	1
74LVC1G125GW,125	IC BUFF NON-INVERT 5.5V 5TSSOP	U5	74LVC1G125GW,125-Footprint-1	CMP-00315-1	1
ASD0V4-8.000MHZ-LR-T	OSC XO 4.000MHZ 4UR T CMOS SMD	X1	ASD0V4-8.000MHZ-LR-T-Footprint-1	CMP-00242-3	1