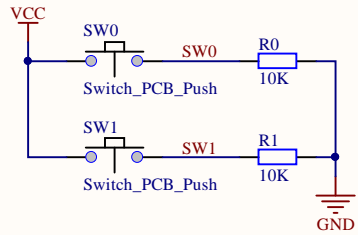
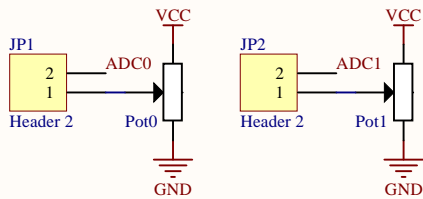


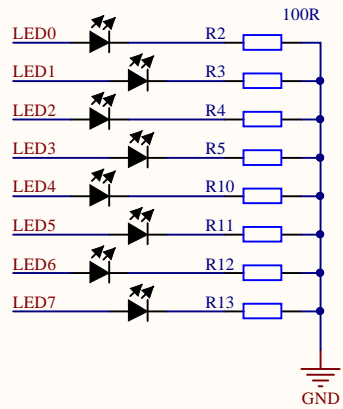
SWITCHES



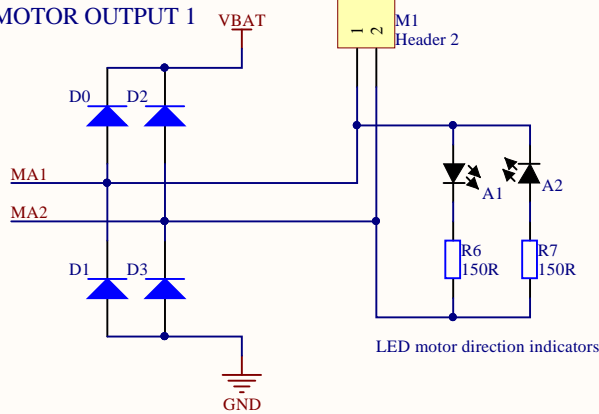
THUMBWHEELS



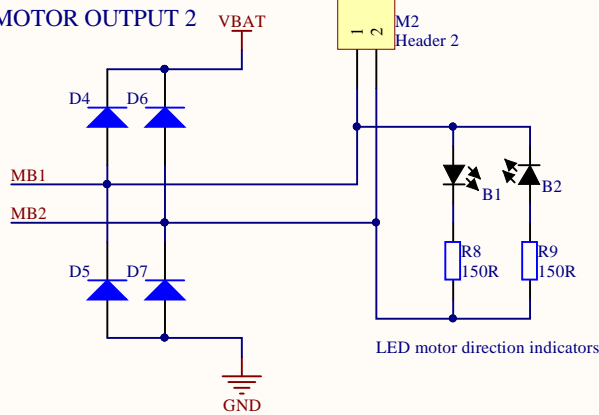
LEDS



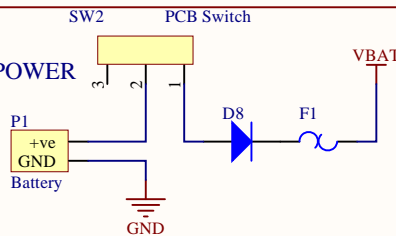
MOTOR OUTPUT 1



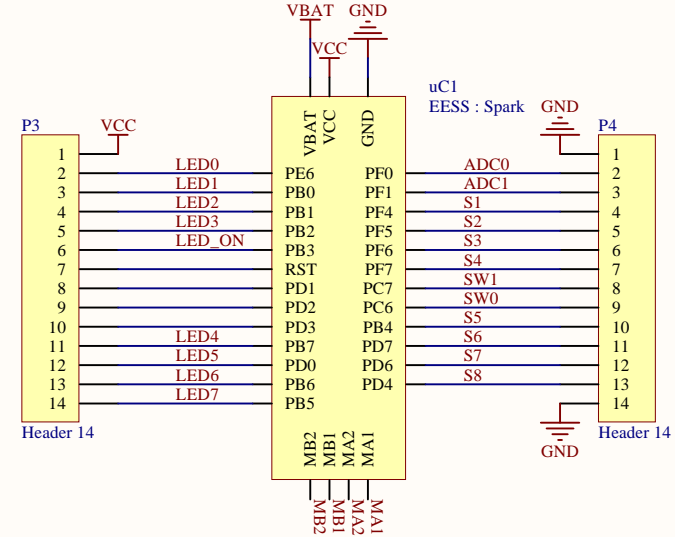
MOTOR OUTPUT 2



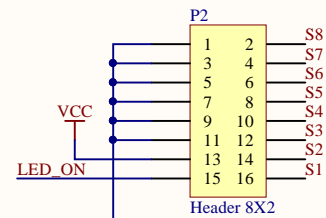
POWER



SPARK

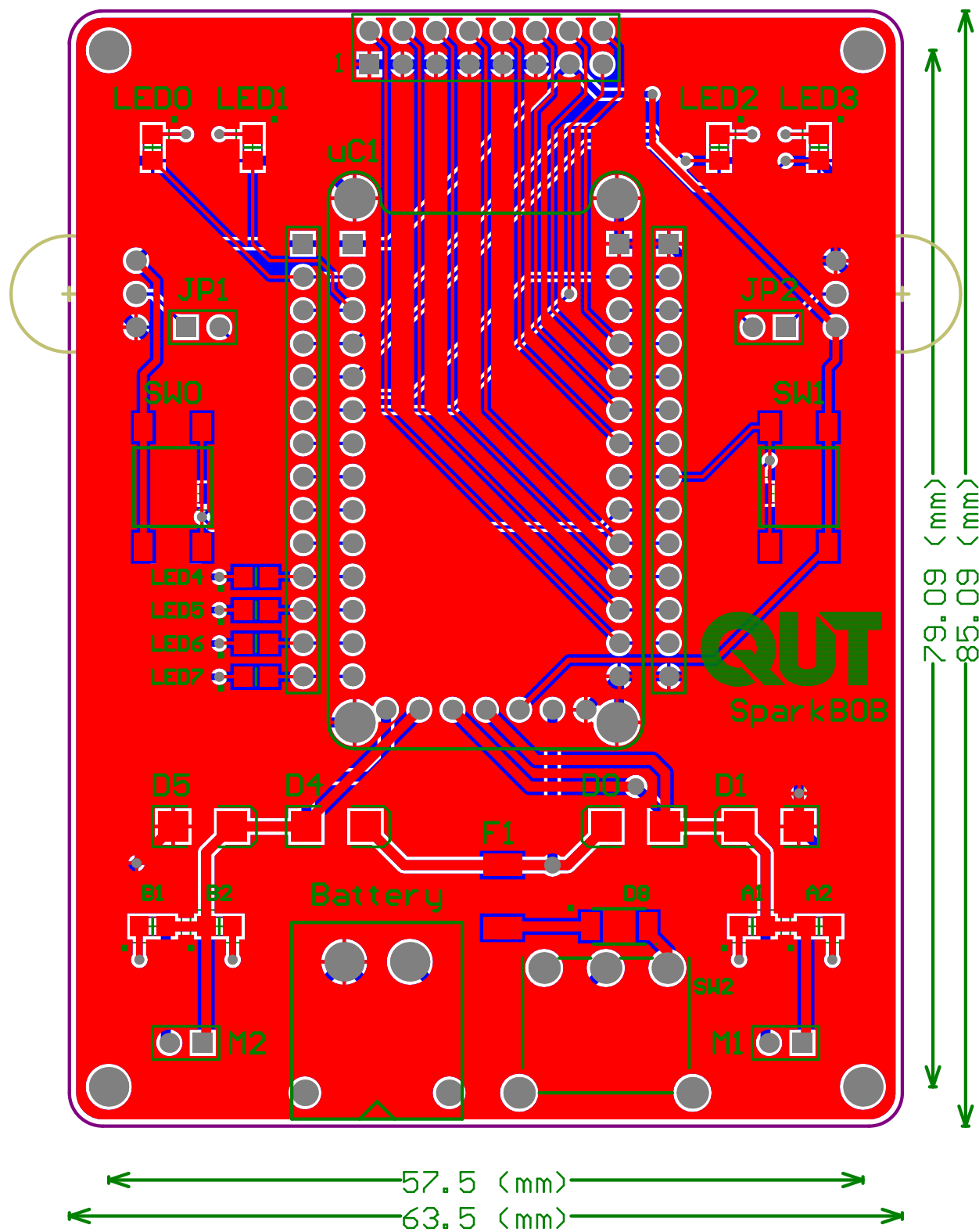


SENSOR ARRAY



SparkBOB
QUT
QUT_Logo

Title		
Size	Number	Revision
A4		
Date:	16/03/2018	Sheet of
File:	T:\Techs\SparkBOB.SchDoc	Drawn By:



Designator	Description	Footprint	Quantity	Supplier
A1, A2, B1, B2, LED0, LED1, LED2, LED3, LED4, LED5, LED6, LED7		6-0805_M	12	E14 1716764
D0, D1, D2, D3, D4, D5, D6, D7		SMB	8	E14 1459073
D8	Surface mount Diode	SODFL470X110-2N	1	Digikey 1727-5317- 1-ND
F1	PPTC Thermal Fuse	MF-MSMF250/16X- 2	1	E14 2519587
JP1, JP2, M1, M2	Header, 2-Pin	HDR1X2	4	
P1		XT30 - PCB mount	1	
P2	Header, 8-Pin, Dual row	HDR2X8	1	
P3, P4	Header, 14-Pin	HDR1X14	2	
Pot0, Pot1		Bourns 3352T-1- 103LF	2	Digikey 3352T- 103LF-ND
R0, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13	Resistor	6-0805_M	14	
SparkBOB		QUT_Logo	1	
SW0, SW1		SMD 4 contact switch	2	E14 1570392
SW2		PCB Switch	1	Digikey CKN5005- ND
uC1		EESS : Spark	1	