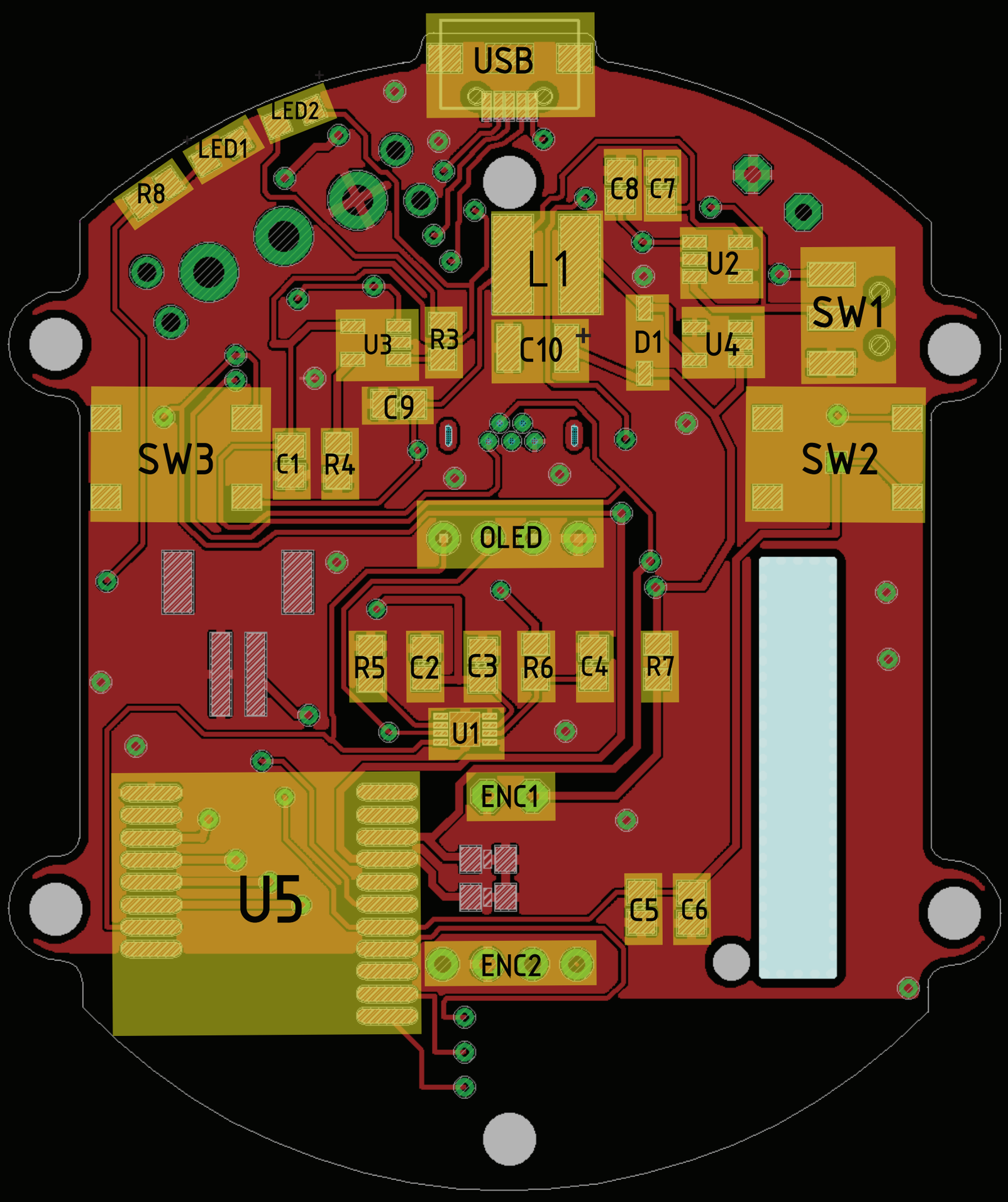
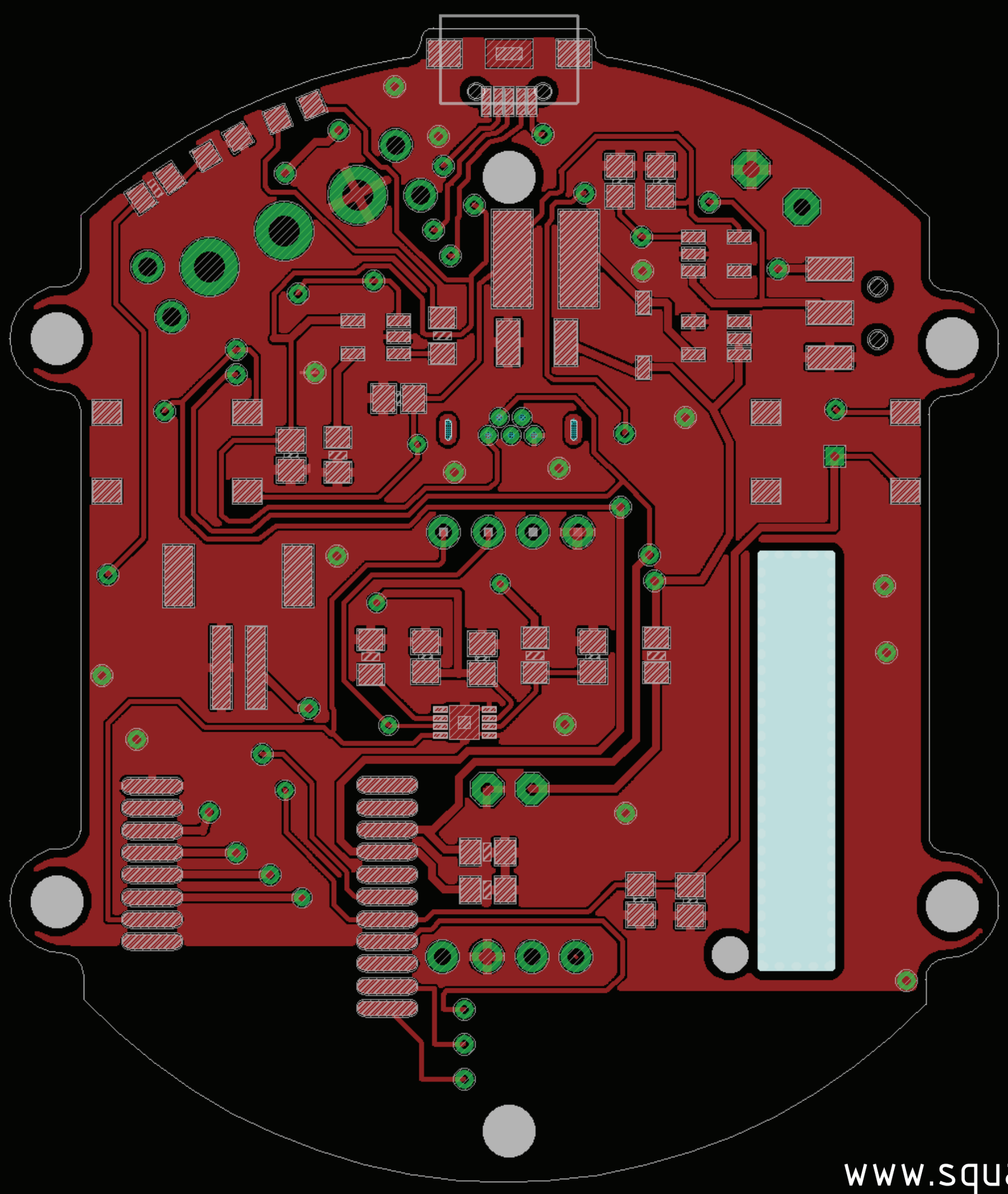
OpenBarbell V1.0 PCB (Rev1) FRONT



Ref Des	Description
LED2	LED RED DIFFUSED 0805 SMD
D1	DIODE SCHOTTKY 20V 1A SOD123
C2	CAP TANT 10UF 6.3V 20% 0805
C7	CAP TANT 10UF 6.3V 20% 0805
C9	CAP TANT 10UF 6.3V 20% 0805
LED1	LED GREEN CLEAR 0805 SMD
C10	CAP TANT POLY 68UF 6.3V 1411
C3	CAP CER 10000PF 50V X7R 0805
C4	CAP CER 1UF 16V X7R 0805
R5	RES SMD 4.7K OHM 1% 1/8W 0805
R6	RES SMD 1K OHM 5% 1/8W 0805
R7	RES SMD 590 OHM 1% 1/8W 0805
R8	RES SMD 100 OHM 1% 1/8W 0805
R3	RES SMD 100 OHM 1% 1/8W 0805
U3	IC CONTROLLR LI-ION 4.2V SOT23-5
U2	IC REG LDO 3.3V 0.15A SOT23-5
C6	CAP CER 0.1UF 50V X7R 0805
U5	RFDUINO BLE 4.0 SMT MODULE
L1	FIXED IND 47UH 720MA 370 MOHM
U4	IC REG BOOST 5V 0.13A 5TSOP
C8	CAP CER 4.7UF 6.3V X5R 0805
C1	CAP CER 4.7UF 6.3V X5R 0805
C3	CAP CER 1000PF 50V NP0 0805
U1	Battery Management MAX17043G+U
R4	RES SMD 2K OHM 1% 1/8W 0805
SW3	SWITCH TACTILE SPST-NO 0.05A 12V
SW2	SWITCH TACTILE SPST-NO 0.05A 12V
SW1	AYZ0102AGRL Surface Mount Slide Switch
USB	10118192-0001LF Surface Mount MicroUSB
OLED	0.96 Inch 4Pin I2C OLED Display Module
ENC1	SEP8706 Infrared Emitter
ENC2	HLC2705 Encoder Detector



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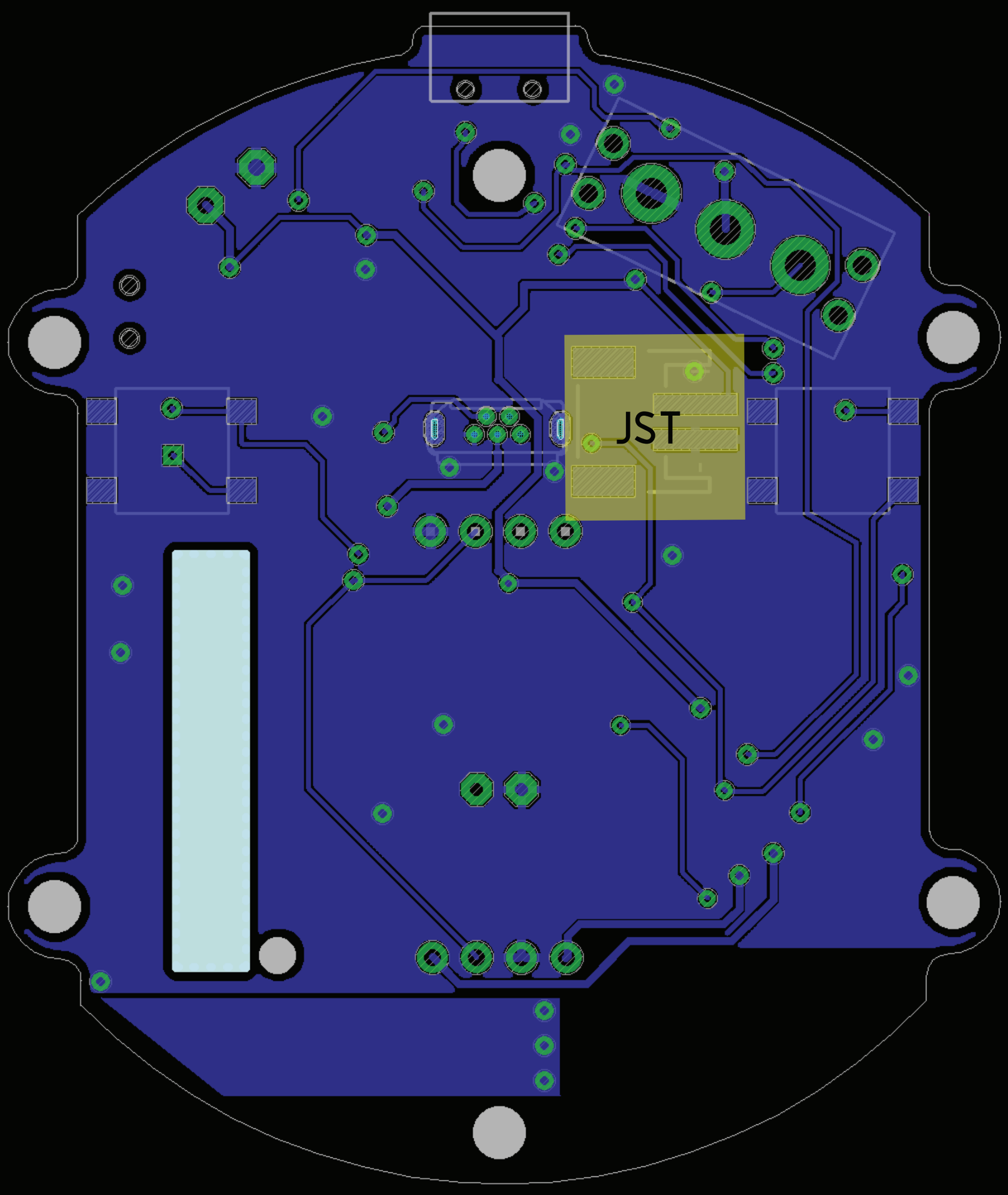
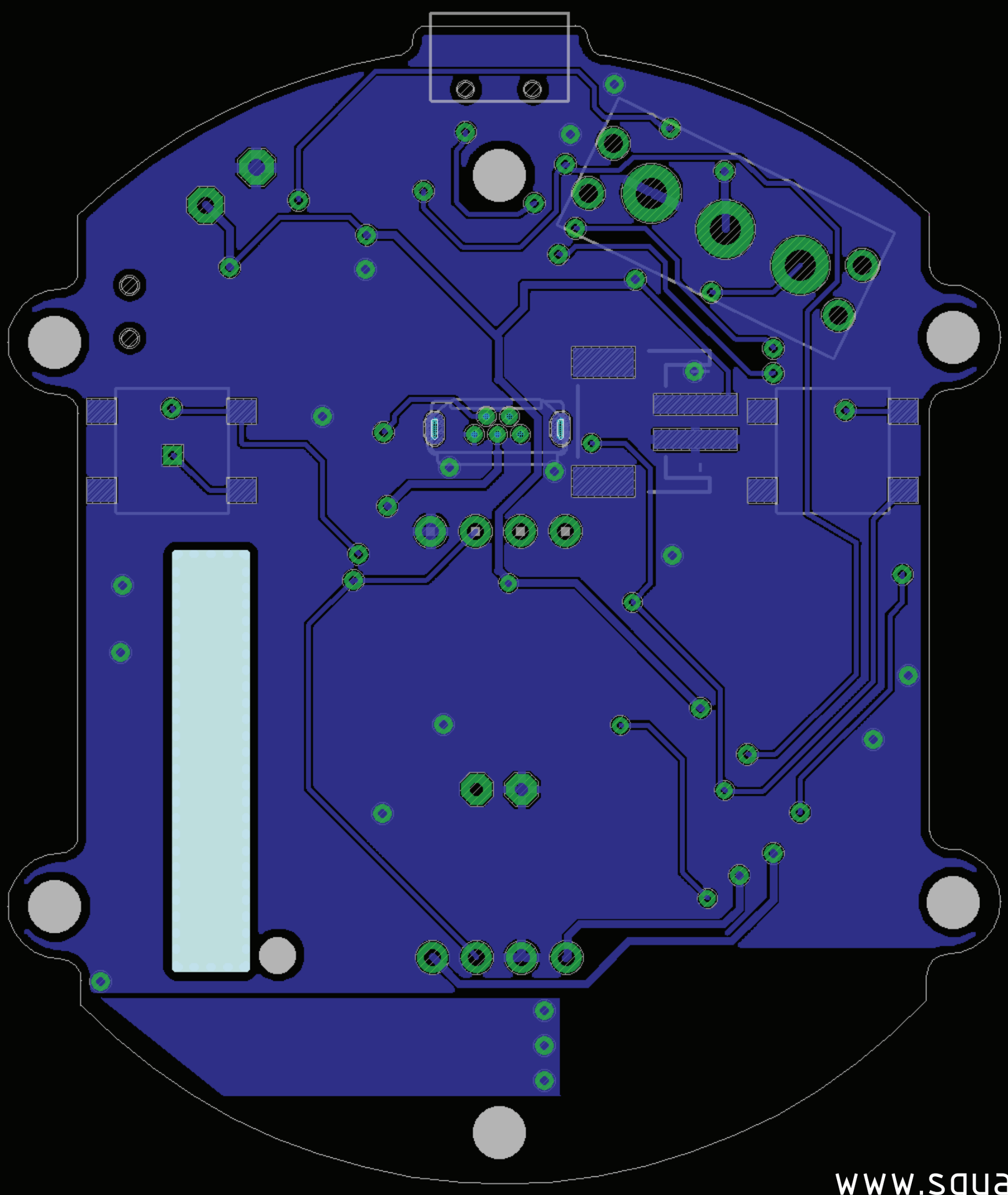
OpenBarbell V1.0 PCB (Rev1) BACK



Ref Des	Description
JST	CONN HEADER PH SIDE 2POS 2MM SMD