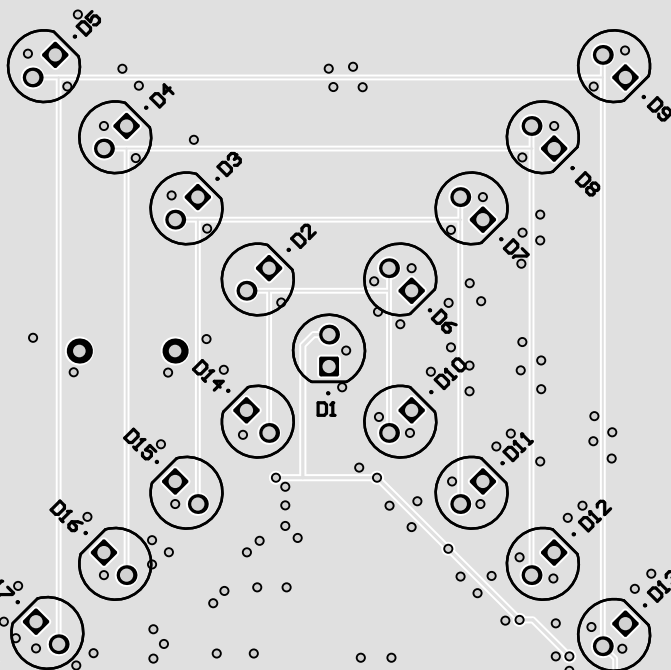




BTN\_BLU



BTN\_GRN



BTN\_RED

BTN\_YLW

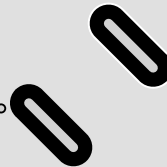


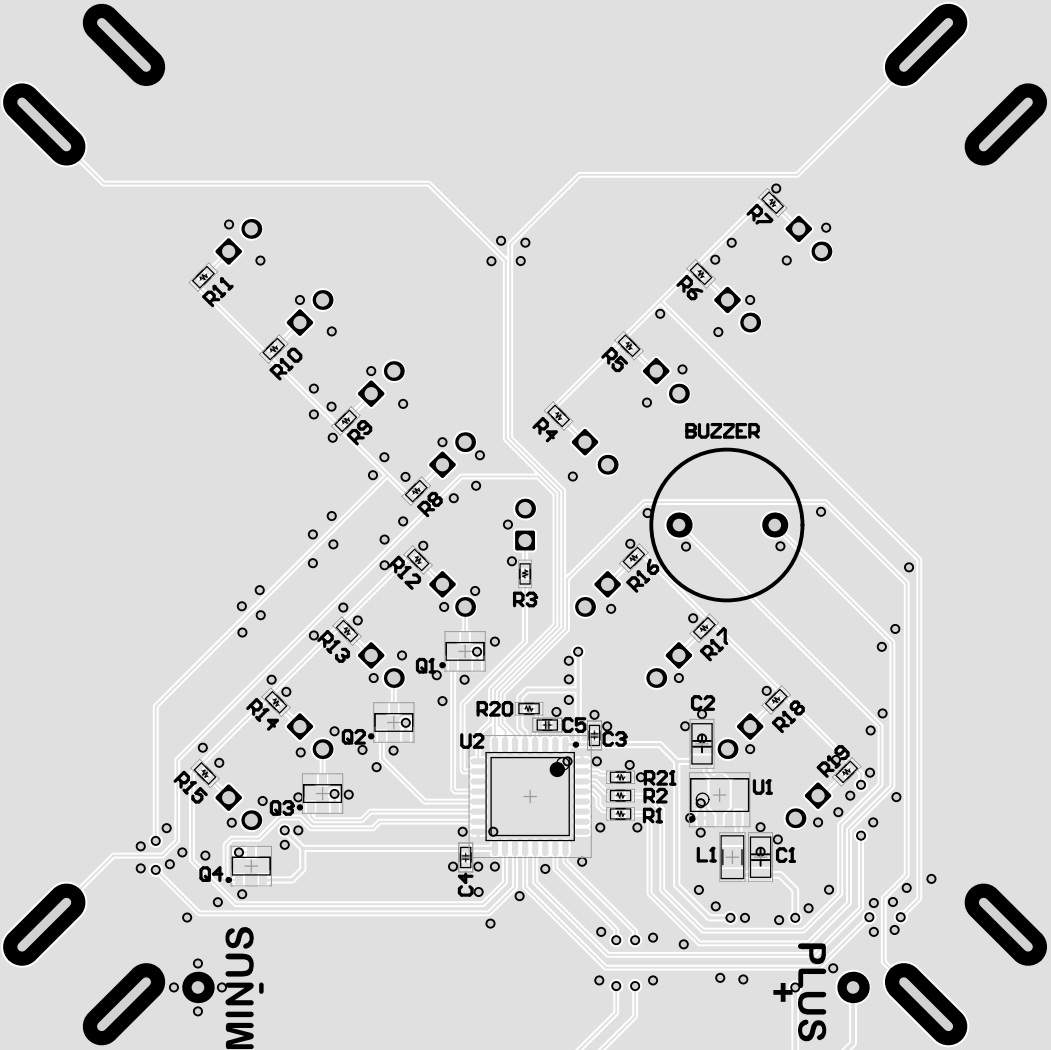
PLUS+

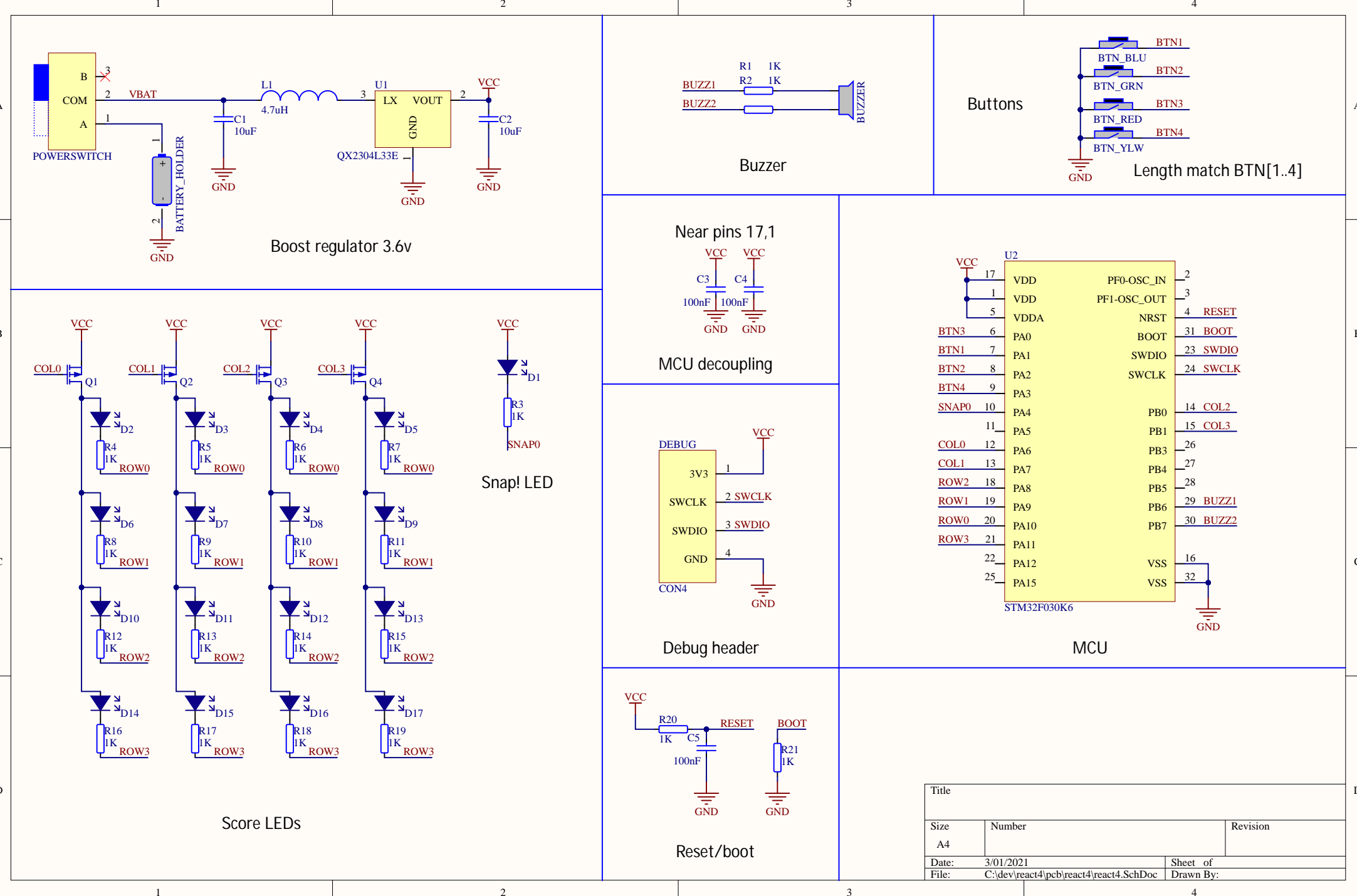
POWERSWITCH



MINUS







A

B

C

D

A

B

C

D

Comment	Description	Designator	Footprint	Quantity
BATTERY		BATTERY HOLDER	BATTERY HOLDER_KEystone_2460	1
BUTTON		BTN_BLU	BUTTON_BLUE	1
BUTTON		BTN_GRN	BUTTON_GREEN	1
BUTTON		BTN_RED	BUTTON_RED	1
BUTTON		BTN_YLW	BUTTON_YELLOW	1
BUZZER		BUZZER	PIEZO_BUZZER	1
Capacitor	Capacitor	C1, C2	CAPC_1206_3216X16L	2
CAPACITOR	Capacitor	C3, C4, C5	CAPC_0603_1608X08L	3
LED	5mm through hole LED	D1	LED WHITE	1
LED	5mm through hole LED	D2, D3, D4, D5	LED BLUE	4
LED	5mm through hole LED	D6, D7, D8, D9	LED GREEN	4
LED	5mm through hole LED	D10, D11, D12, D13	LED YELLOW	4
LED	5mm through hole LED	D14, D15, D16, D17	LED RED	4
CON4		DEBUG	CON4	1
INDUCTOR	Inductor	L1	INDC3216X09L	1
SPDT SWITCH		POWERSWITCH	MSK-12D19	1
MOSFET-P		Q1, Q2, Q3, Q4	SOT95P237X110-3L	4
Resistor	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	RESC_0603_1608X08L	21
QX2304L33E		U1	SOT89-150P350X160-3L	1
STM32F030K6		U2	TQFP80P900X900X160-32L	1

## Design Rules Verification Report

Filename : C:\dev\react4\pcb\react4\react4.PcbDoc

Warnings 0  
Rule Violations 0

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=0.152mm) (All),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ( All )	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=0.152mm) (Max=2.54mm) (Preferred=0.152mm) (All)	0
Power Plane Connect Rule(Relief Connect )(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Hole Size Constraint (Min=0.025mm) (Max=7.62mm) (All)	0
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0
Minimum Solder Mask Sliver (Gap=0.127mm) (All),(All)	0
Silk To Solder Mask (Clearance=0mm) (IsPad),(All)	0
Silk to Silk (Clearance=0mm) (All),(All)	0
Net Antennae (Tolerance=0mm) (All)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Preferred=12.7mm) (All)	0
Total	0