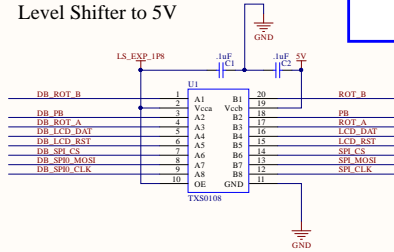


## Mounting Holes

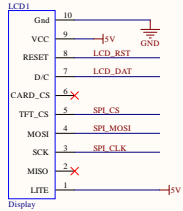
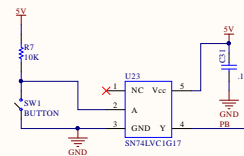


## Level Shifter to 5V



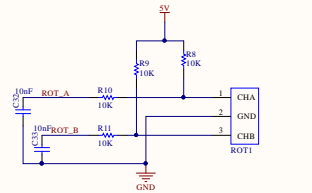
The level shifters are bidirectional and do not require any direction control.

## Button w/ Schmitt Trigger

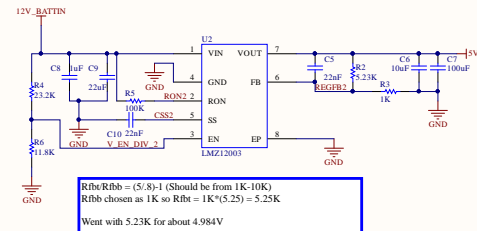


## Connection to LCD Display

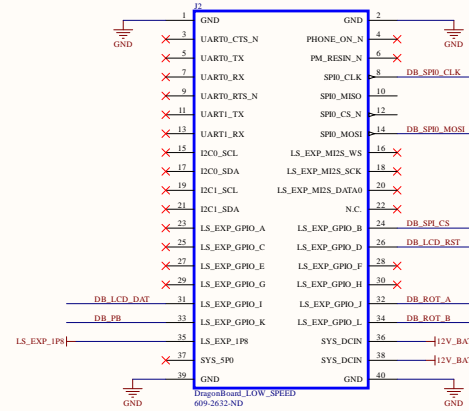
## Rotary Encoder



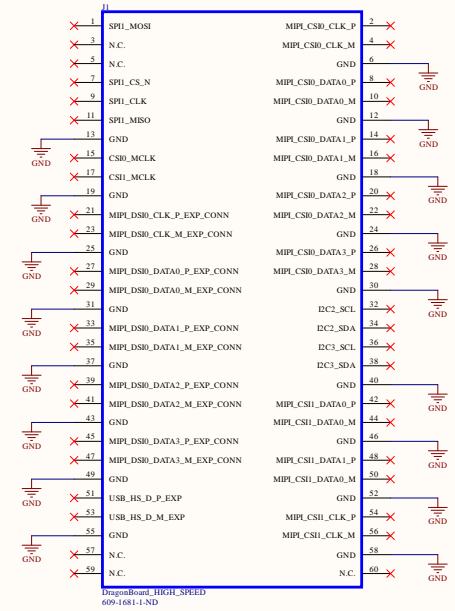
## 5V Buck Regulator



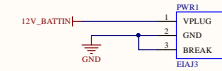
## Low Speed Dragonboard Header



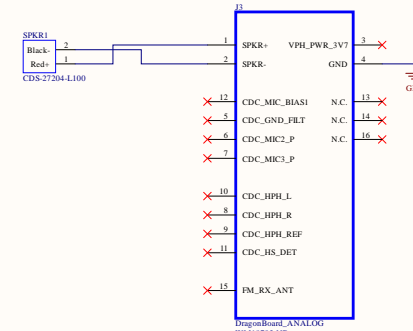
## High Speed Dragonboard Header



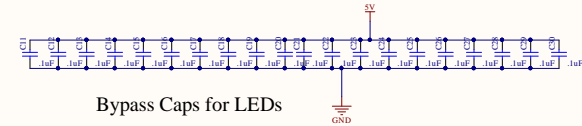
## Wall Connection



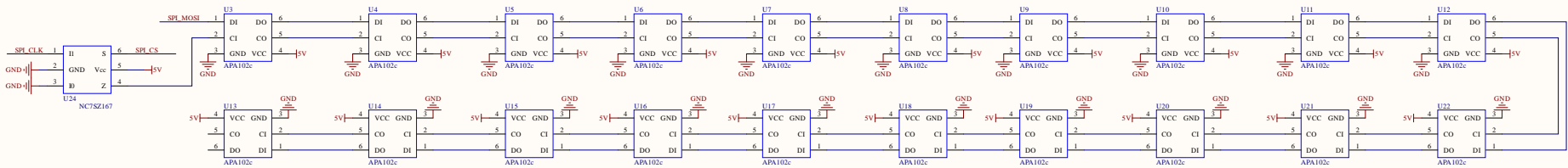
## Dragonboard Audio Header



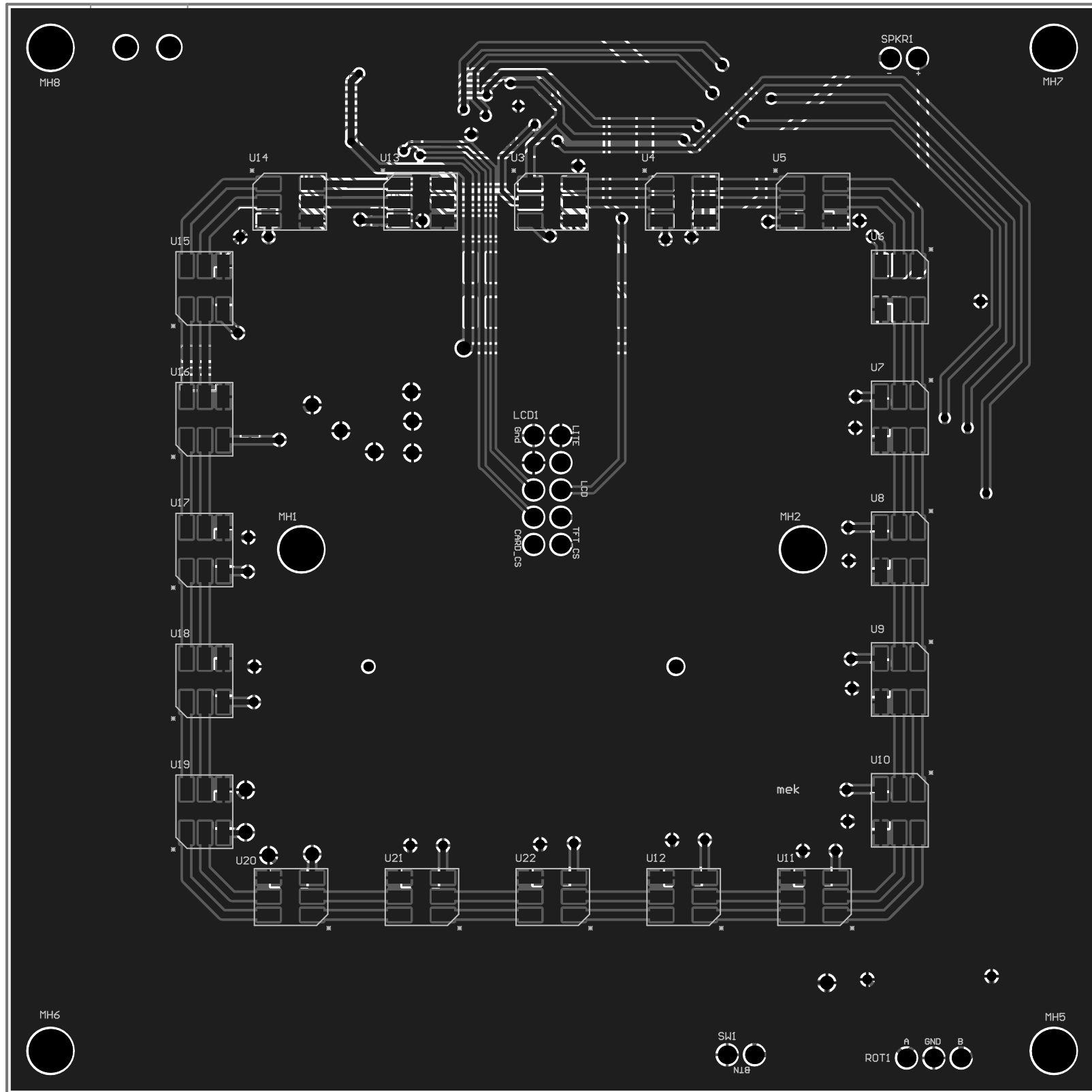
## Bypass Caps for LEDs



## LED Strip



Title			
Size	Number	Revision	
A			
Date:	1/24/2018	Sheet of	
File:	D:\Bluetooth\Reino-D3_3inreino_mao_Silicon-B-		



Comment	Description	Designator	Footprint	LibRef	Quantity
CAP_0805_1u_250V	Cap Ceramic 0.1uF 250V X7T 10% SMD 0805 125C Plastic T/R	C1, C2, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31	CAPC2012X135N	CAP_0805_1u_250V	23
CAP_0805_m22n	CAP CER 0.022UF 100V X7R 0805	C5, C10	CAPC2012X135N	CAP_0805_22n_100V	2
CAP_0805_10u_16V	Cap Ceramic 10uF 16V X5R 10% SMD 0805 85C T/R	C6	CAPC2012X135N	CAP_0805_10u_16V	1
CAP_1210_100u_10V	Cap Ceramic 100uF 10V X5R 20% SMD 1210 85C Embossed T/R	C7	FP_1210	CAP_1210_100u_10V	1
CAP_0805_1u_100V	CAP CER 1UF 100V X7S 0805	C8	CAPC2012X135N	CAP_0805_1u_100V	1
CAP_0805_22u_25V	22uF ±20% 25V X5R Ceramic Capacitor - 55°C ~ 85°C Surface Mount, MLCC 0805 (2012 Metric) 0.079" L x 0.049" W (2.00mm x 1.25mm)	C9	CAPC2012X135N	CAP_0805_22u_25V	1
CAP_0805_10n_250V	Cap Ceramic 0.1uF 250V X7T 10% SMD 0805 125C Plastic T/R	C32, C33	CAPC2012X135N	CAP_0805_10n_250V	2
DragonBoard_HIGH_SP EED	60 Position Connector Plug, Center Strip Contacts Surface Mount Gold	J1	DB_HIGH_SPEED	DragonBoard_HIGH_SP EED	1
DragonBoard_LOW_SP EED	40 Positions Header, Unshrouded Connector 0.079" (2.00mm) Surface Mount Gold, GXT™	J2	57202_40_PIN_HEADER	DragonBoard_LOW_SP EED	1
DragonBoard_ANALOG	Conn Socket Strip RCP 16 POS 2mm Solder ST SMD Tube	J3	16_PIN_ANALOG_CONN	DragonBoard_ANALOG	1
Display	TFT Display	LCD1	LCD_HOLES	LCD_SCREEN_BTRETRO	1
MOUNTHOLES	HOLE	MH1, MH2, MH5, MH6, MH7, MH8	HOLE_BTRETRO	MOUNTHOLES	6
EIAJ3	PJ1-021 Series 1.65 mm x 5.15 mm 16 V Right Angle SMT Power Jack	PWR1	EIAJ3 BARREL	EIAJ3	1
RES_5.23K	Thick Film Resistors 5.23K OHM 1%	R2	RES0805	RES_0805_5.23K	1
RES_0805_1K	RES SMD 1K OHM 1% 1/8W 0805	R3	RES0805	RES_0805_1K	1
RES_0805_23.2K	RESISTOR, THICK FILM, 23.2KOHM, 125mW, ± 1%	R4	RES0805	RES_0805_23.2K	1
RES_0805_100K	Res Thick Film 0805 100K Ohm 1% 0.125W(1/8W) ±100ppm/C Molded SMD Automotive Punched T/R	R5	RES0805	RES_0805_100K	1
RES_0805_11.8K	RES SMD 11.8K OHM 1% 1/8W 0805	R6	RES0805	RES_0805_11.8K	1
RES_0805_10K	RES, THICK FILM, 10K, 5%, 0.125W, 0805	R7, R8, R9, R10, R11	RES0805	RES_0805_10K	5
ROT_ENCODER	Encoders 15mm SHAFT w/SWITCH	ROT1	ROTENCFP	ROT_ENCODER	1
CDS-27204-L100	4 Ohm Magnetic Speaker 2W 20Hz ~ 20kHz Top Rectangular 93dB	SPKR1	SPK_BTRETRO	CDS-27204-L100	1
BUTTON	...It's a button!	SW1	BUTTON	BUTTON	1
TXS0108	TRANSLATOR, VOLTAGE, 8BIT, 20TSSOP	U1	TSSOP20	TXS0108	1
LMZ12003	POWER MODULE, TO- PMOD-7, FULL REEL	U2	TO-PMOD-7	LMZ12003	1
APA102c	SPI LED	U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22	LED_APA	APA102	20
SN74LVC1G17	IC BUFFER SCHMIT TRIG SOT23-5	U23	DBV0005A (SOT-23)	SN74LVC1G17	1
NC7SZ167	FAIRCHILD SEMICONDUCTOR NC7SZ157P6X Logic Type:Multiplexer	U24	SC70	NC7SZ157	1