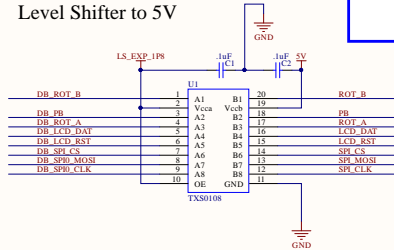


Mounting Holes

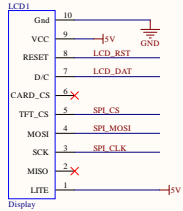
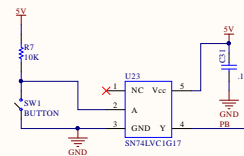


Level Shifter to 5V



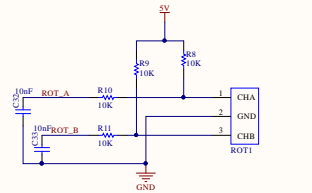
The level shifters are bidirectional and do not require any direction control.

Button w/ Schmitt Trigger

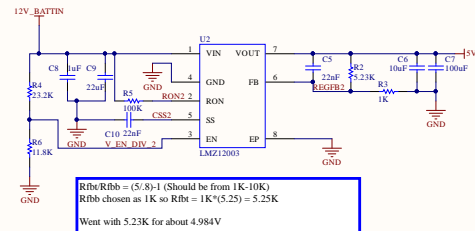


Connection to LCD Display

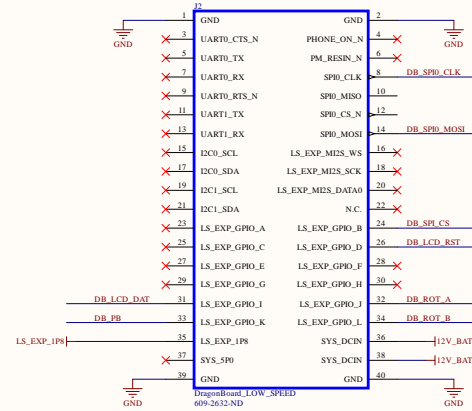
Rotary Encoder



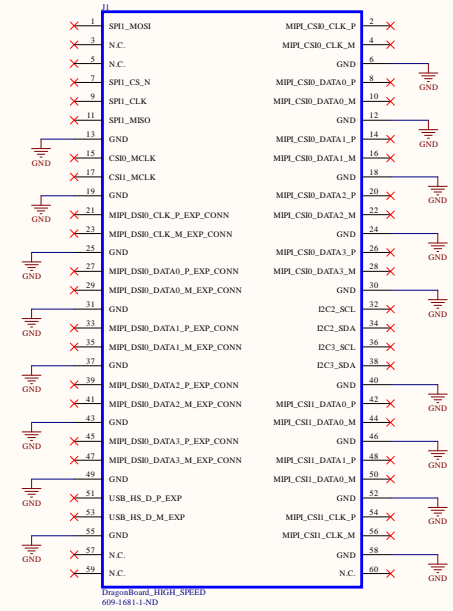
5V Buck Regulator



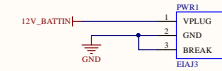
Low Speed Dragonboard Header



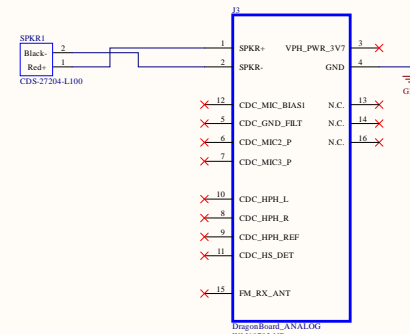
High Speed Dragonboard Header



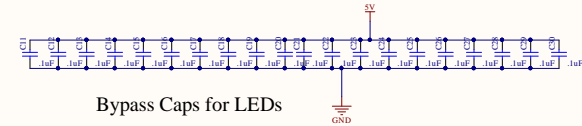
Wall Connection



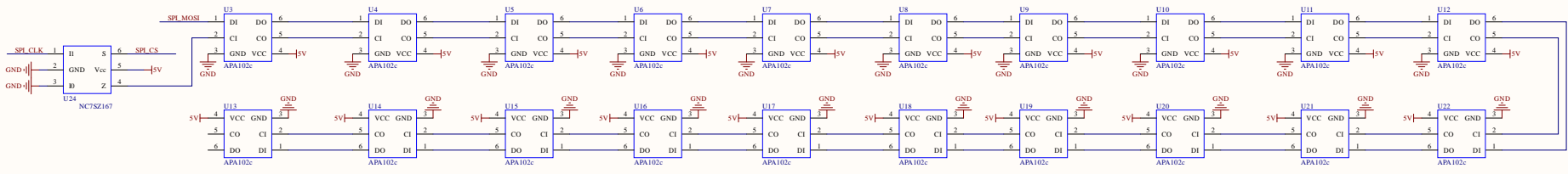
Dragonboard Audio Header



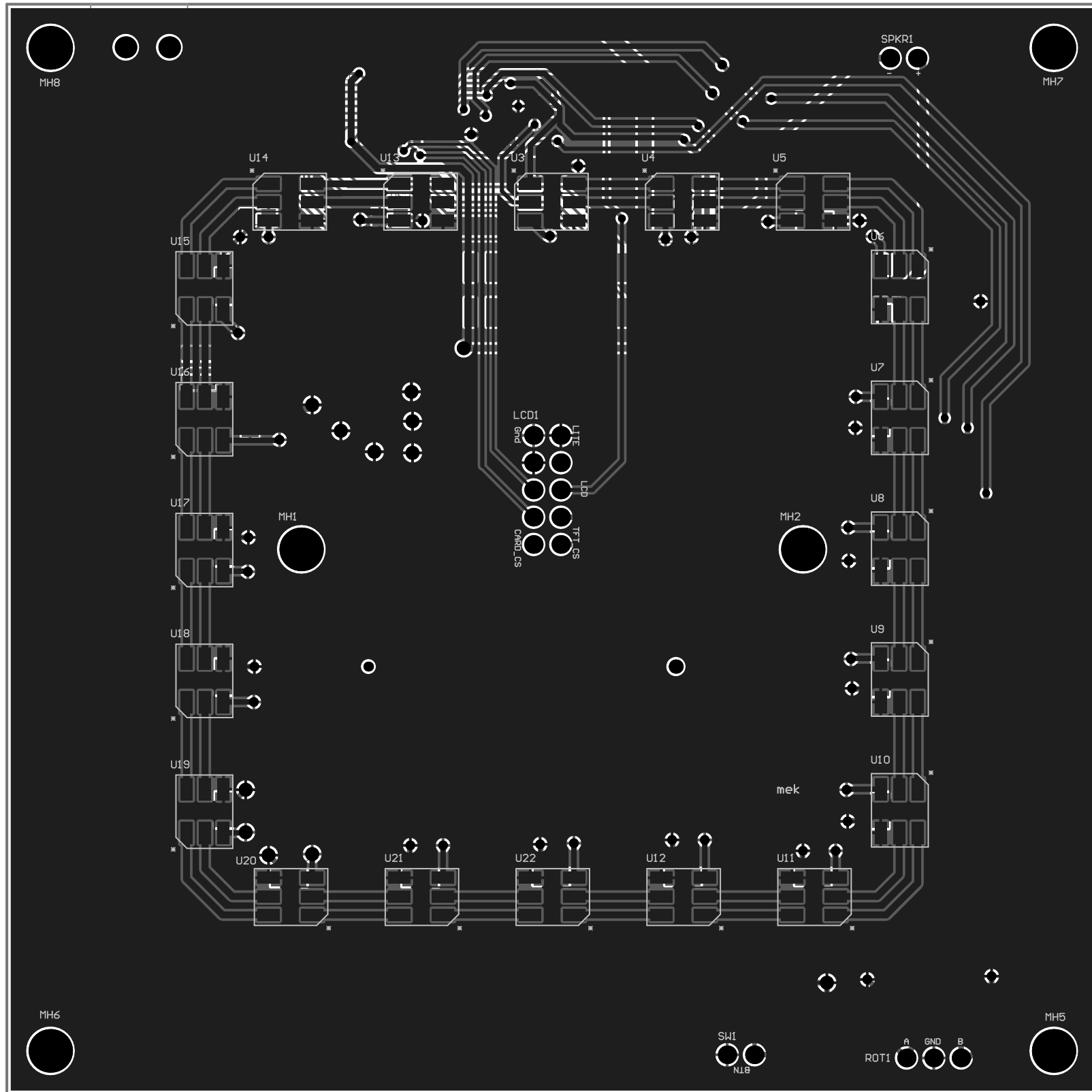
Bypass Caps for LEDs



LED Strip



Title			
Size	Number	Revision	
A			
Date:	1/19/2018	Sheet of	1
File:	D:\Bluetooth\Reino-D3_3inerts_mms-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