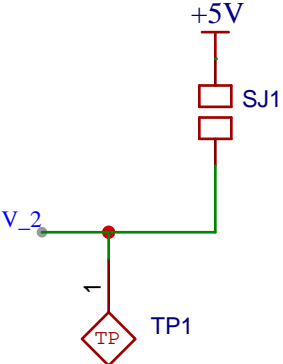
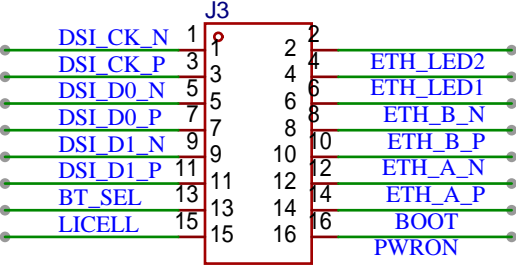
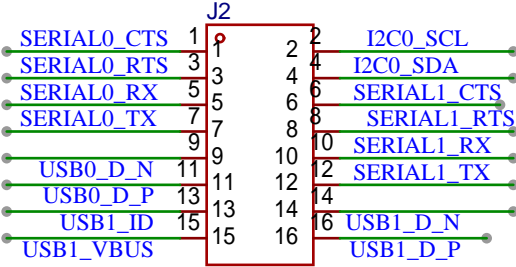
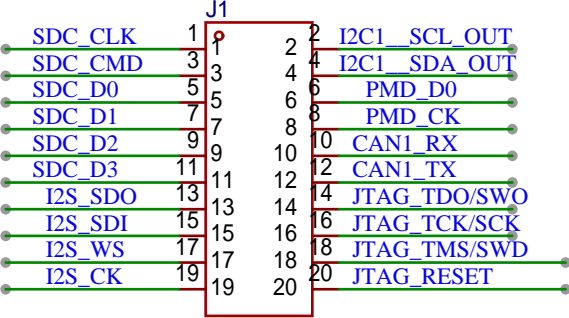
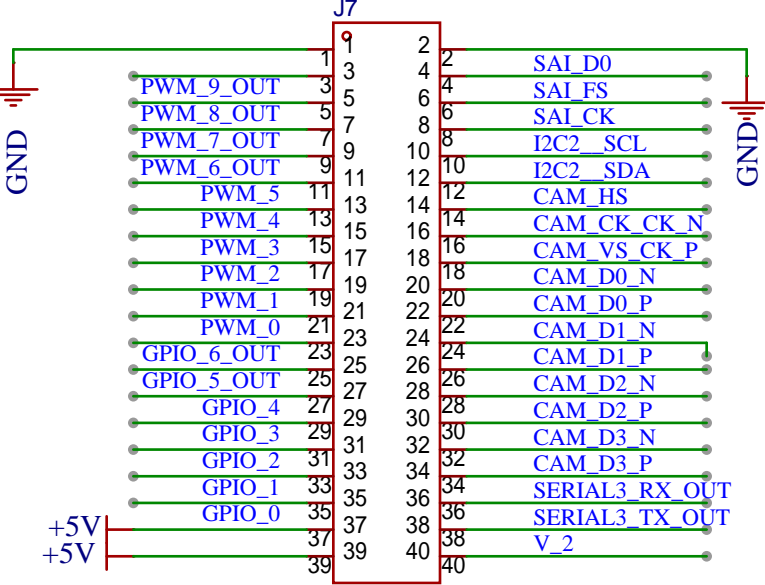
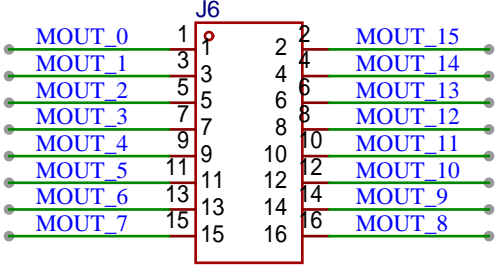
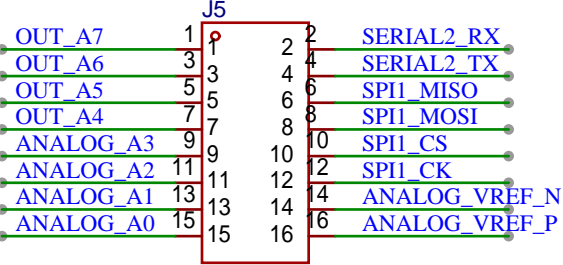
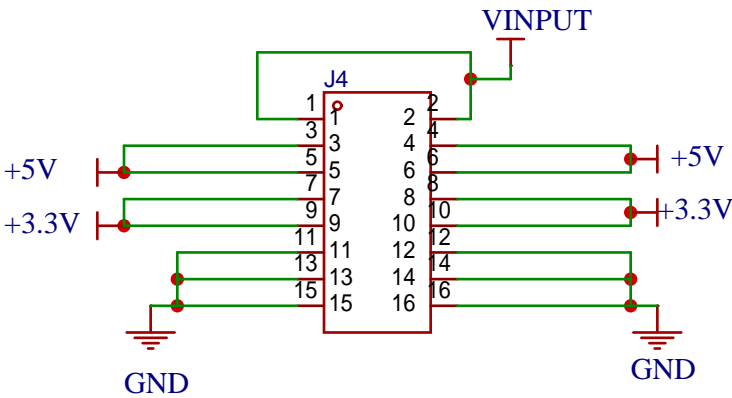


# Header Connections

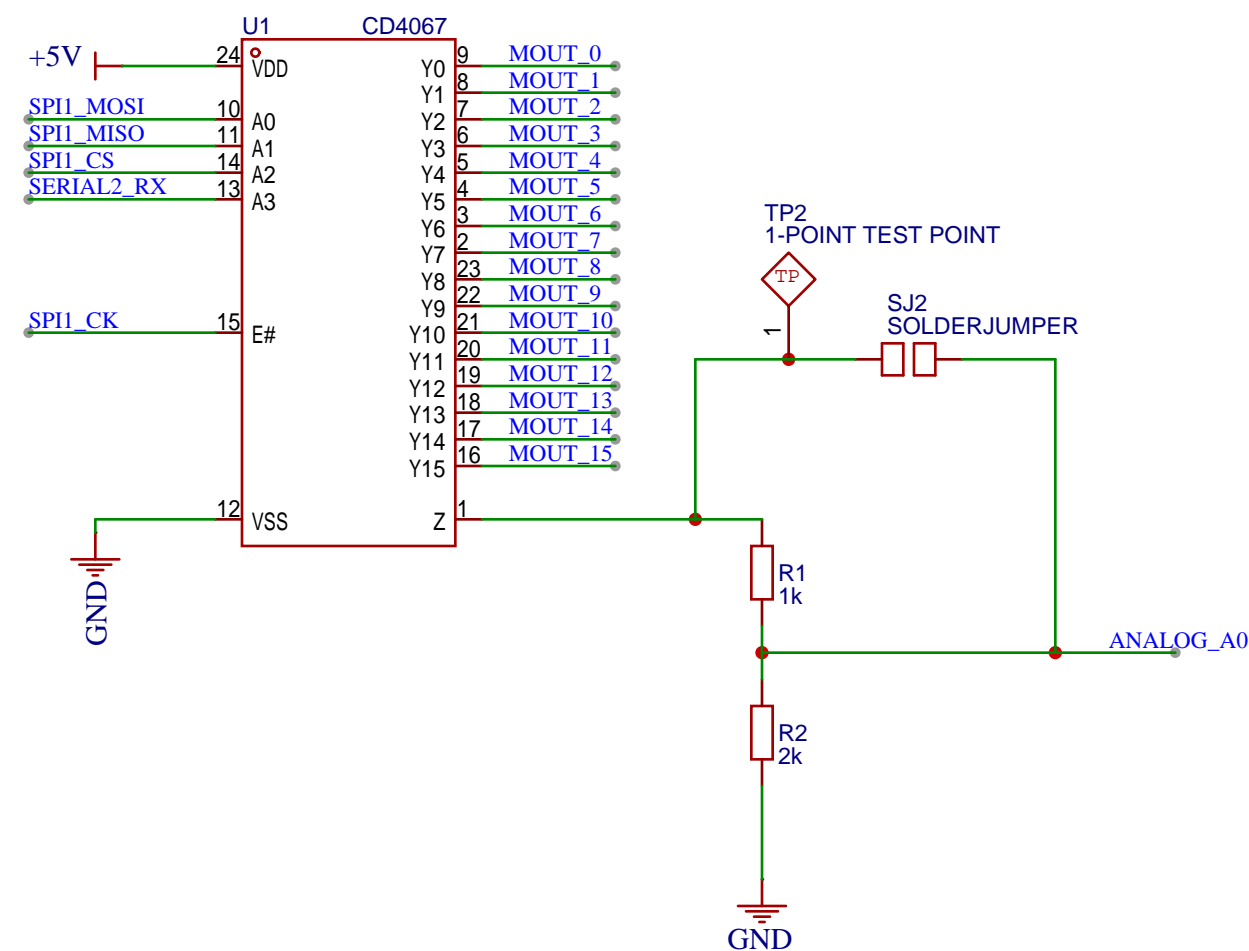


\* Opened solder Jumper is Used to enable levelshifting to a supplied voltage from outside  
\*SJ designator is used for indicate solder jumpers



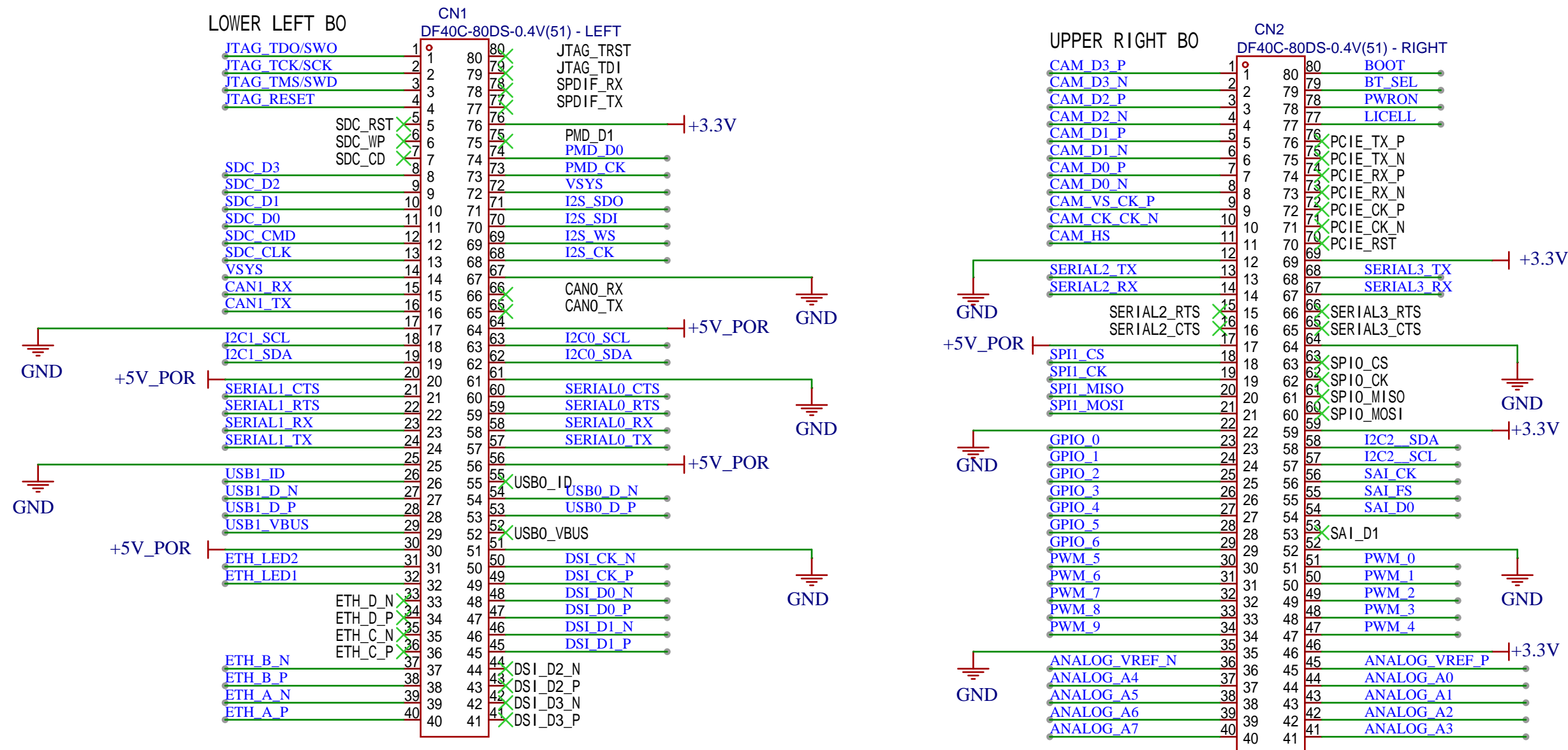
Schematic	Portenta Playmate			Update Date	2023-05-23
				Create Date	2023-05-07
Page	Headers			Part Number	
Drawn	Ruchith Sandeepa				
Reviewed	Ruchith Sandeepa				
		VER	SIZE	PAGE	1 OF 7
		V0.1	A4	ENTC	

# Analog Multiplexer



Schematic	Portenta Playmate			Update Date	2023-05-23
				Create Date	2023-05-10
Page	Analog Multiplexer			Part Number	
Drawed	Ruchith Sandeepa				
Reviewed	Ruchith Sandeepa				
		VER	SIZE	PAGE	2 OF 7
		V0.1	A4	ENTC	

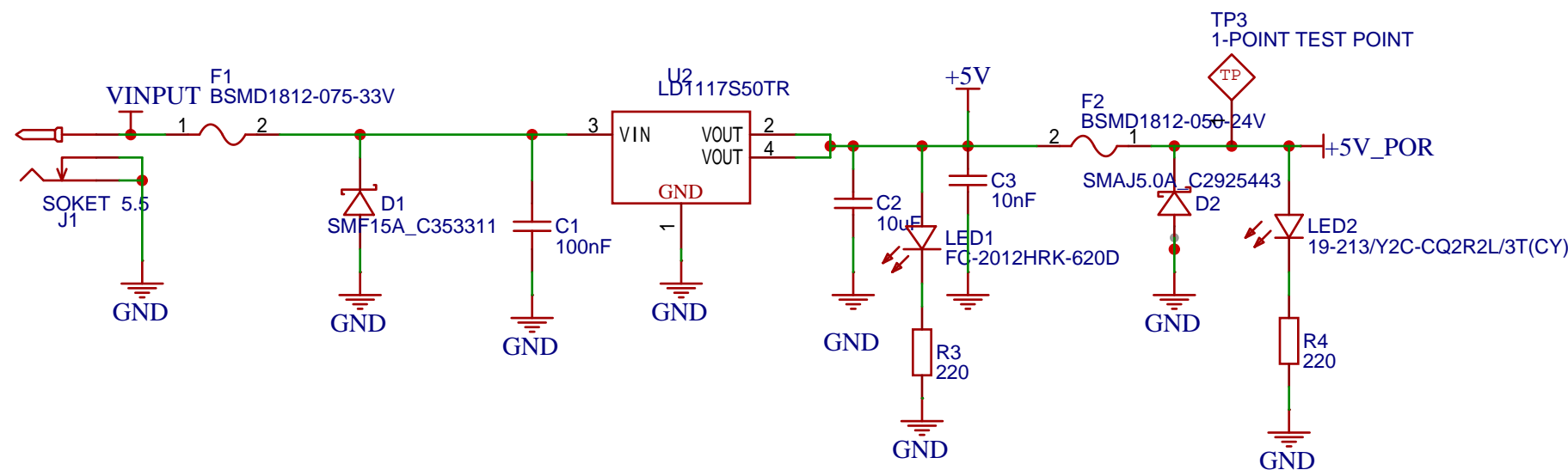
# High Density connectors



\* The commented pins are not connected in circuit but their names are indicated before the pin for future use.  
(Those pins are used in arduino portenta X8 family boards)

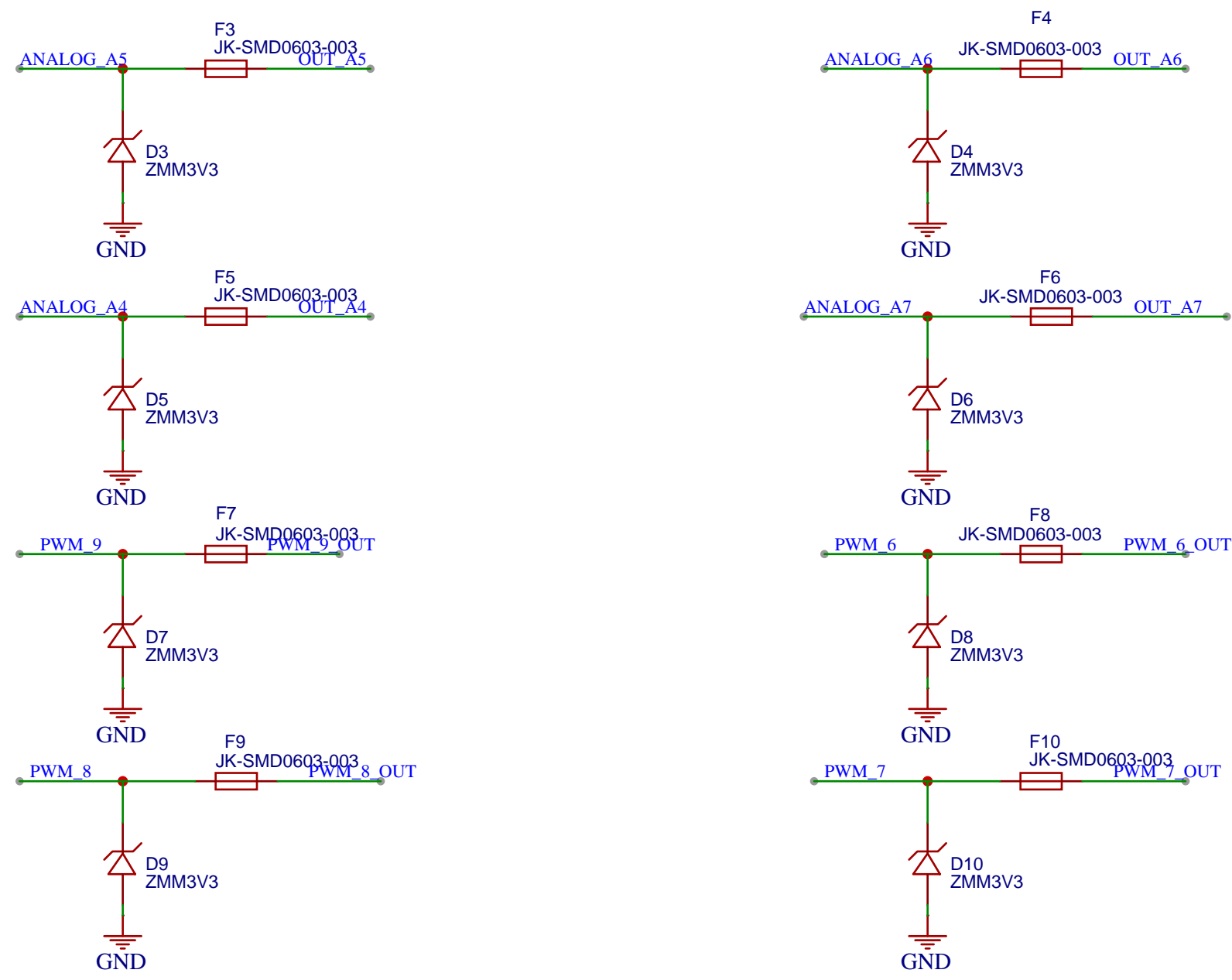
Schematic	Portenta Playmate			Update Date	2023-05-23
				Create Date	2023-05-07
Page	High_density Connectors			Part Number	JLCPCB-002
Drawed	Ruchith Sandeepa				
Reviewed	Ruchith Sandeepa				
		VER	SIZE	PAGE	3 OF 7
		V0.1	A4	ENTC	

# Power Circuit



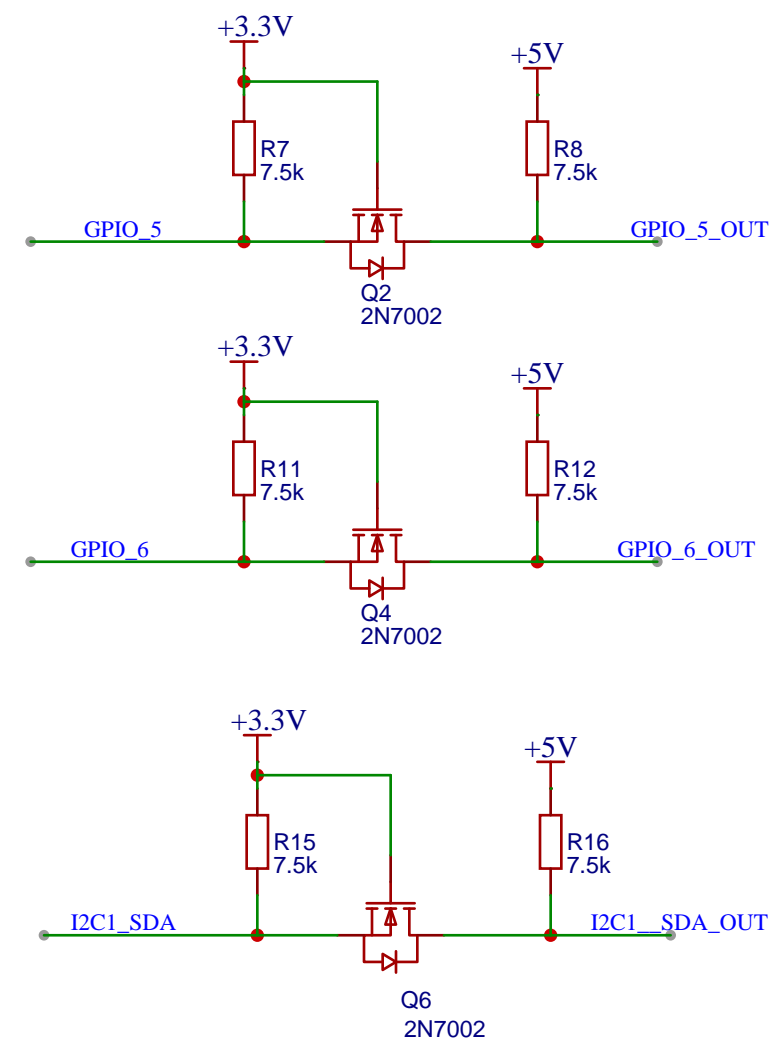
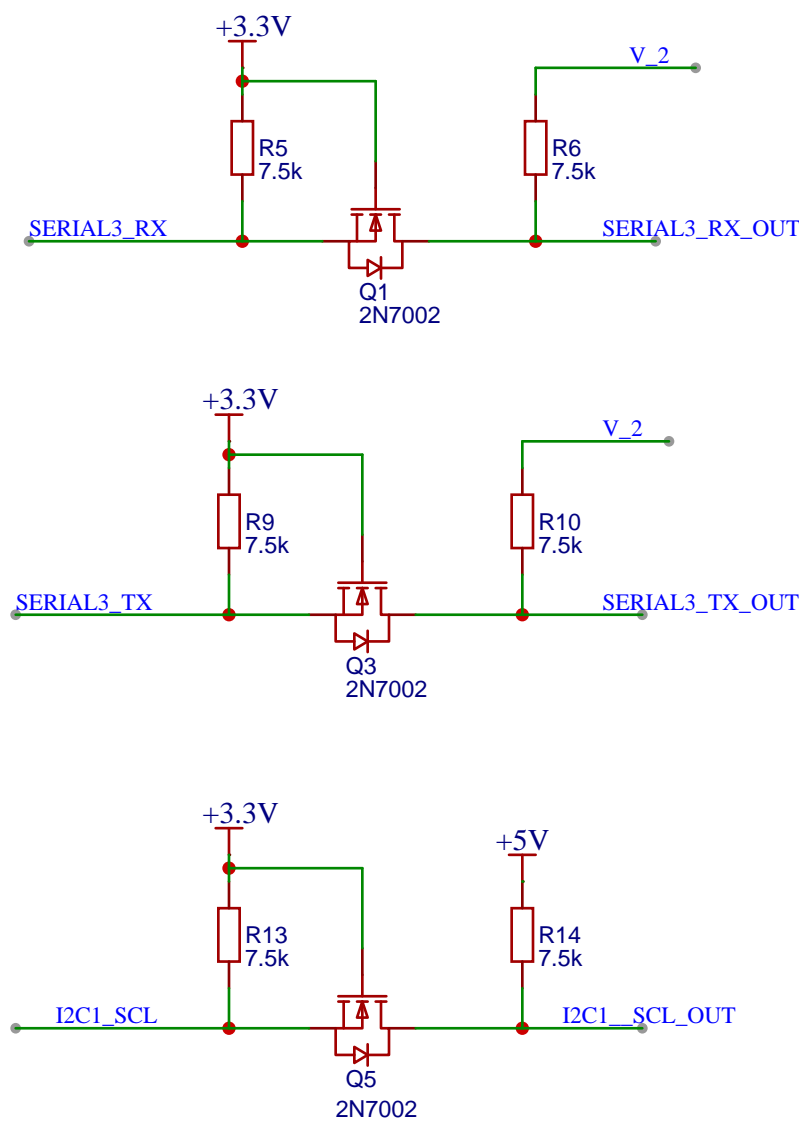
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Page	Power_Circuit			Part Number	JLCPCB-002
Drawn	Ruchith Sandeepa				
Reviewed	Reviewed				
		VER	SIZE	PAGE	4 OF 7
		V0.1	A4	ENTC	

# Current limited/ Short circuit/ Over voltage protected pins



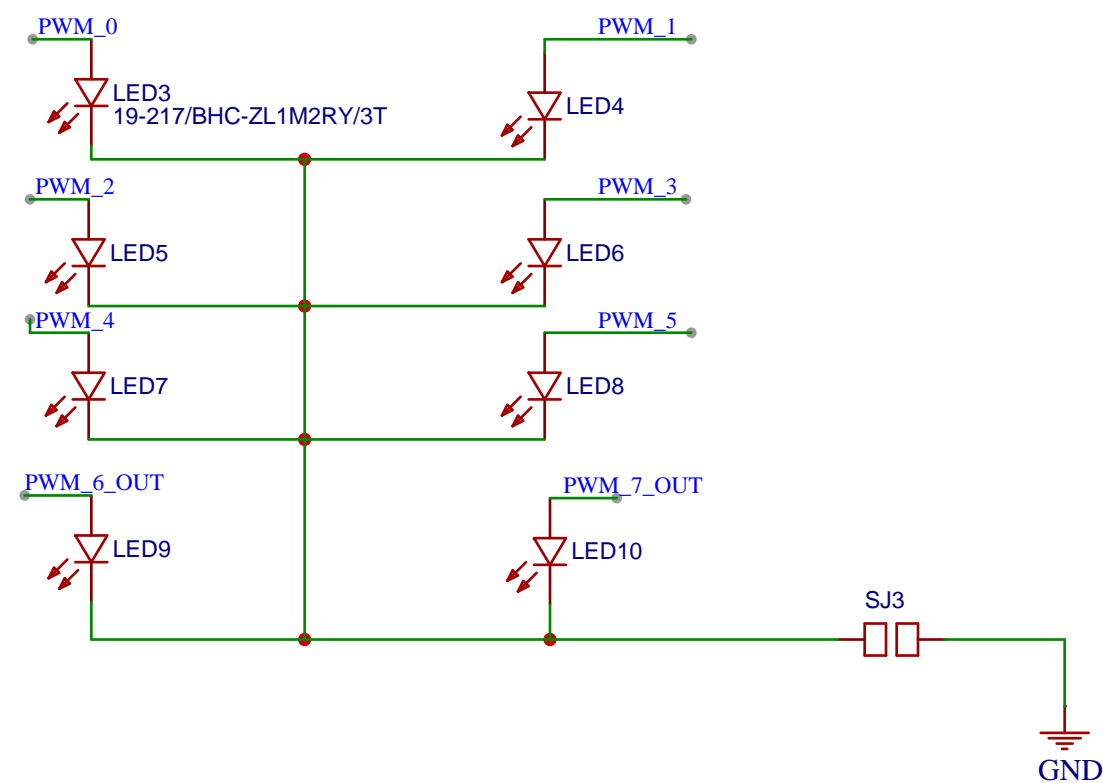
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			Create Date	2023-05-10
Page	Current Protection		Part Number	
Drawn	Ruchith Sandeepa			
Reviewed	Ruchith Sandeepa			
		VER	SIZE	PAGE 5 OF 7
		V0.1	A4	ENTC

# Level Shifters



Schematic	Portenta Playmate			Update Date	2023-05-23
				Create Date	2023-05-10
Page	Level Shifters			Part Number	JLPCB-002
Drawn	Ruchith Sandeepa				
Reviewed	Ruchith Sandeepa				
		VER	SIZE	PAGE	6 OF 7
		V0.1	A4	ENTC	

# LED Indicators



Schematic	Portenta Playmate			Update Date	2023-05-23
				Create Date	2023-05-10
Page	Led Indicators			Part Number	JLCPCB-002
Drawed	Ruchith Sandeepa				
Reviewed	Ruchith Sandeepa				
		VER	SIZE	PAGE	7 OF 7
		V0.1	A4	ENTC	