
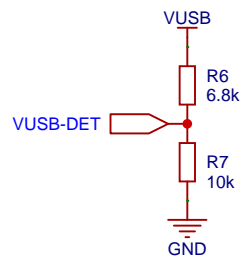
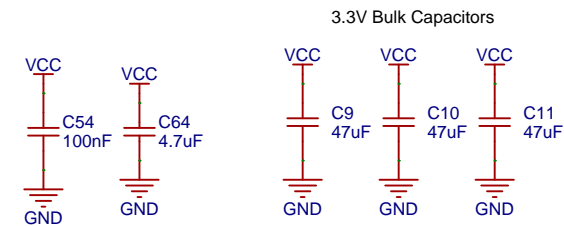
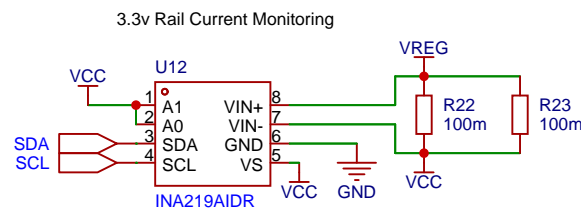
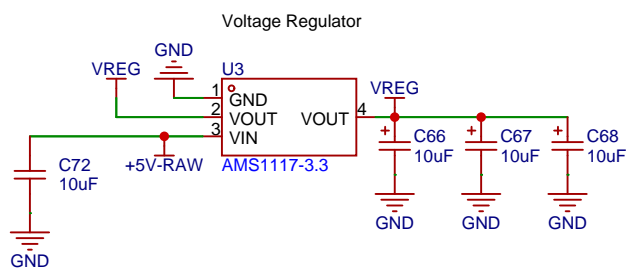


Schematic	Schematic3		Create at	2025-08-15
Board	SW Learning Board		Update at	2025-08-16
Drawn		Avionics Learning Board		
Reviewed				
		Version	Size	Page 1 Total 22
		V1.0	A4	EasyEDA.com

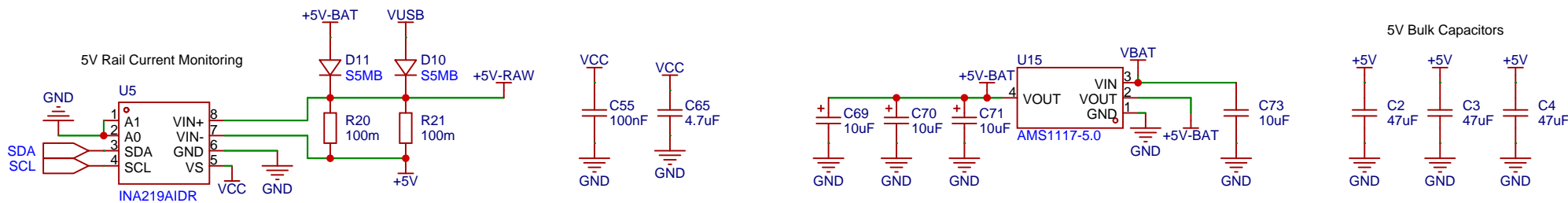
- Input for system power
- Data connection to STM32
- Current limited for safety
 - STM32 can read CC to determine higher current
 - Current limiter can set to 0.5, 1, 1.5, or 2A




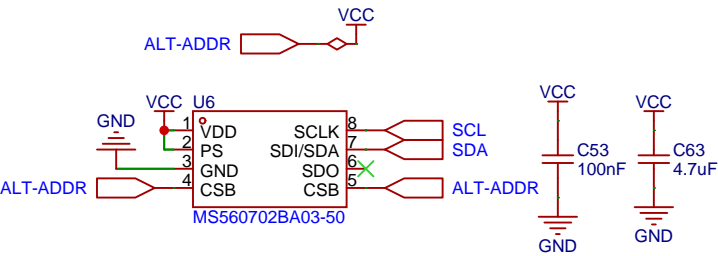
@Board Name



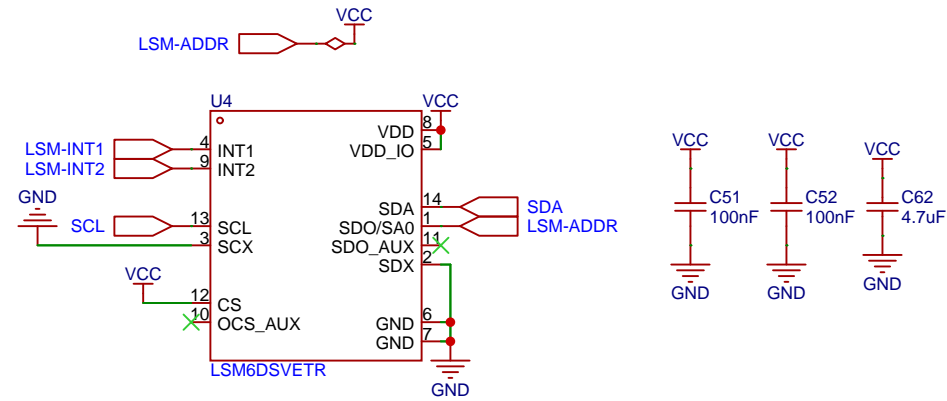
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Board	SW Learning Board		Update at	2025-08-16
Drawn	Avionics Learning Board		Page	3.3v Regulator
Reviewed				
	Version	Size	Page 3 Total 22	
		V1.0	A4	EasyEDA.com




Schematic	Schematic3			Create at	2025-08-16
Board	SW Learning Board			Update at	2025-08-16
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 4 Total 22	
		V1.0	A4	EasyEDA.com	

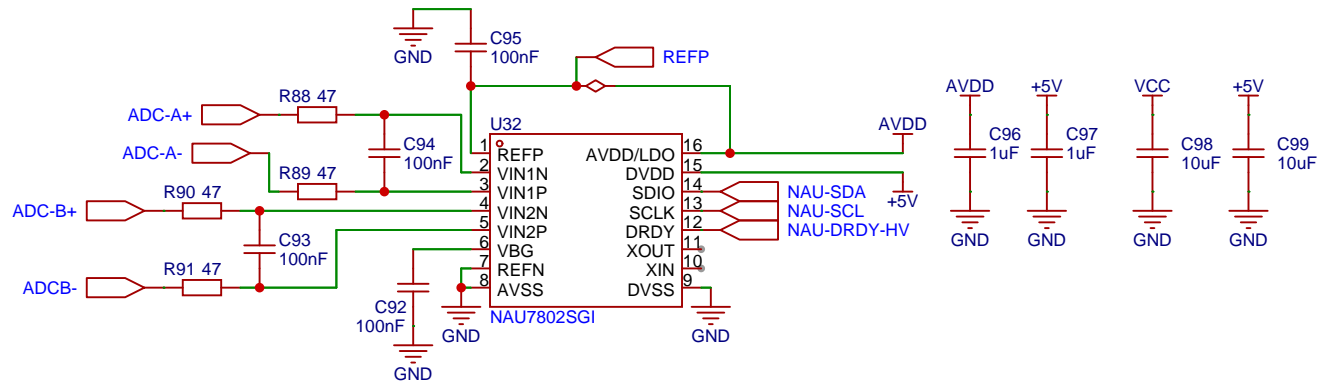
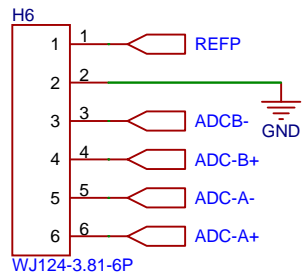
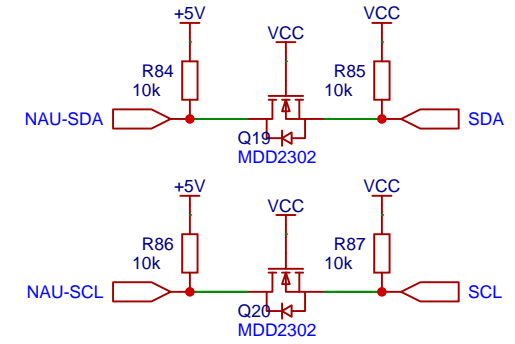
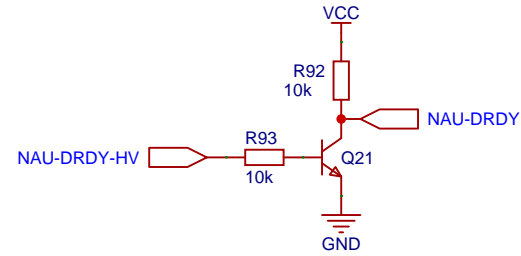



Schematic	Schematic3			Create at	2025-08-16
				Update at	2025-08-16
Board	SW Learning Board			Page	Altimeter
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 5 Total 22	
EasyEDA		V1.0	A4	EasyEDA.com	

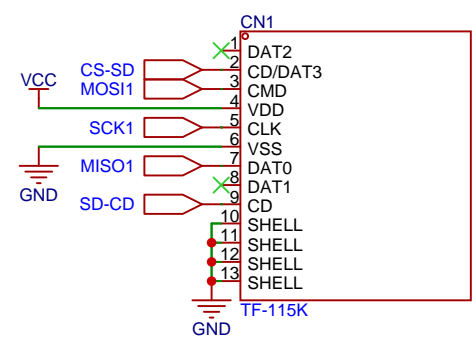
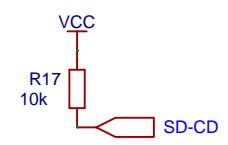
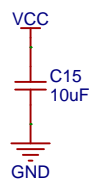


Schematic	Schematic3			Create at	2025-08-16
Board	SW Learning Board			Update at	2025-08-16
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 6 Total 22	
		V1.0	A4	EasyEDA.com	

Set PGA_CAP_EN, Register 0x1C[7]=1 if not using channel 2

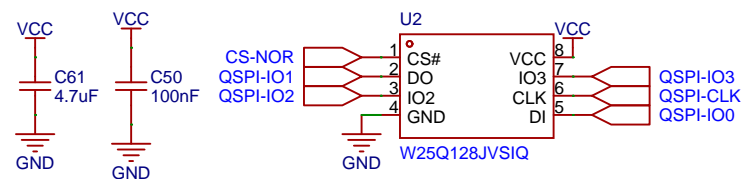


Schematic	Schematic3			Create at	2025-08-17
				Update at	2025-08-17
Board	SW Learning Board			Page	Load Cell ADC
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 7 Total 22	
		V1.0	A4	EasyEDA.com	

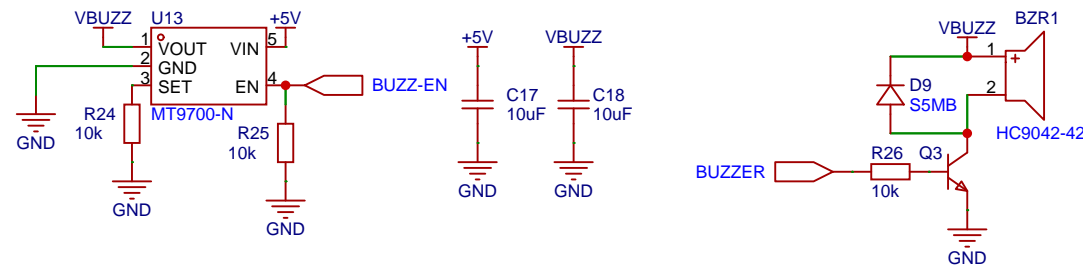


Schematic	Schematic3			Create at	2025-08-16
Board	SW Learning Board			Update at	2025-08-17
Drawn	Avionics Learning Board			Page	uSD Card Slot
Reviewed					
Version		Size	Page 8 Total 22		
V1.0		A4	EasyEDA.com		

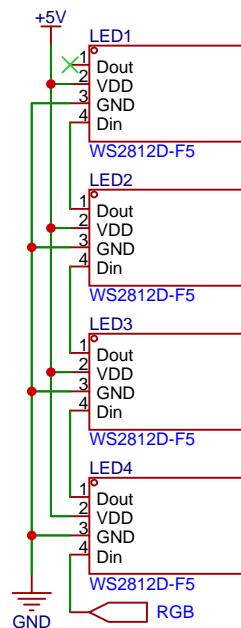




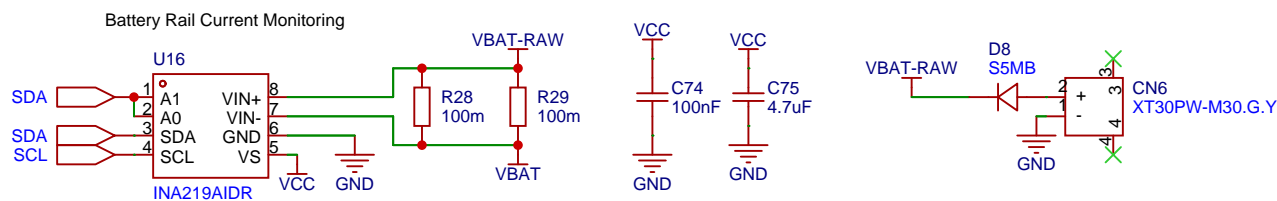
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Board	SW Learning Board			Update at	2025-08-17
Drawn		Avionics Learning Board			
Reviewed					
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EasyEDA		V1.0	A4	EasyEDA.com	



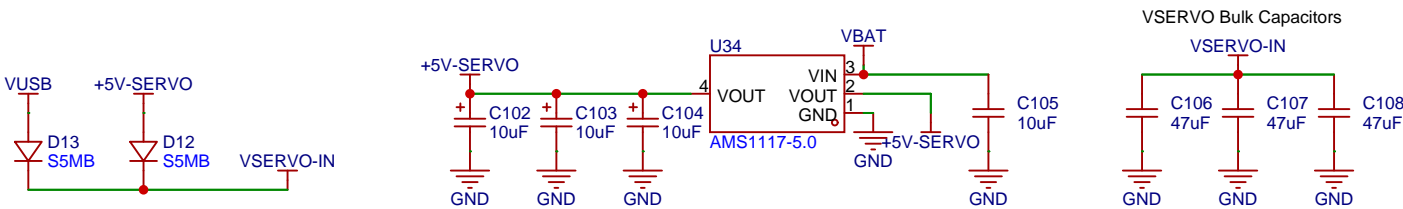
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				Update at	2025-08-16
Board	SW Learning Board			Page	Buzzer
Drawn		Avionics Learning Board			
Reviewed					
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EasyEDA		V1.0	A4	EasyEDA.com	



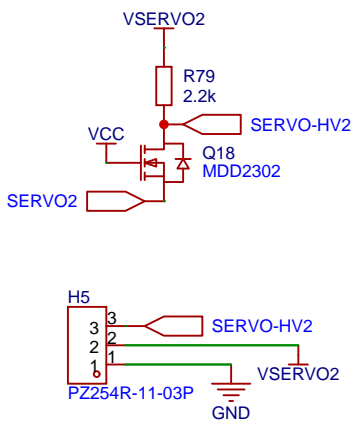
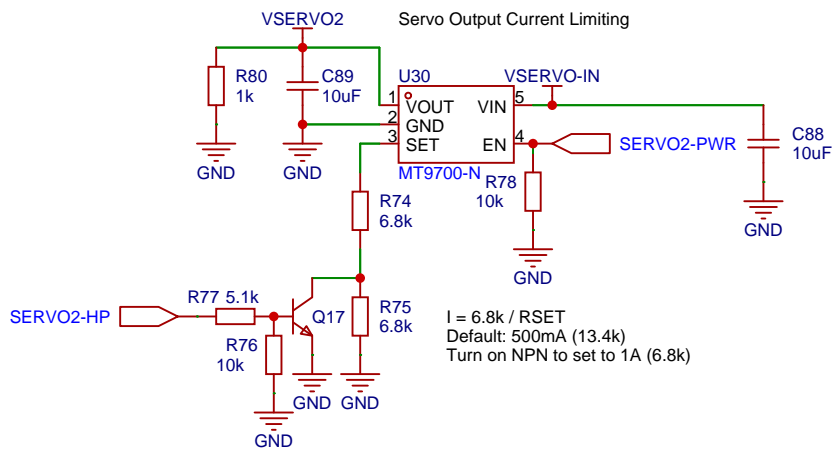
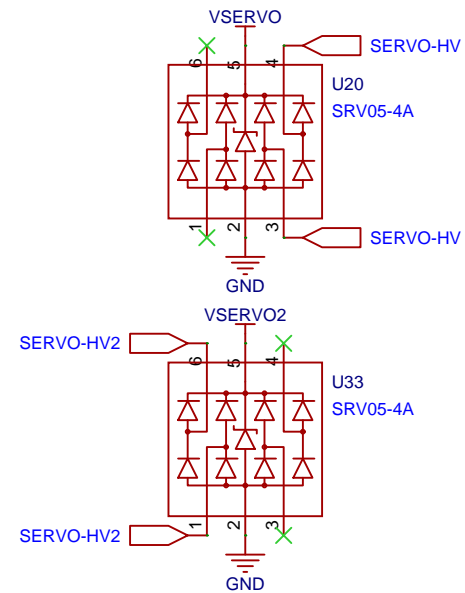
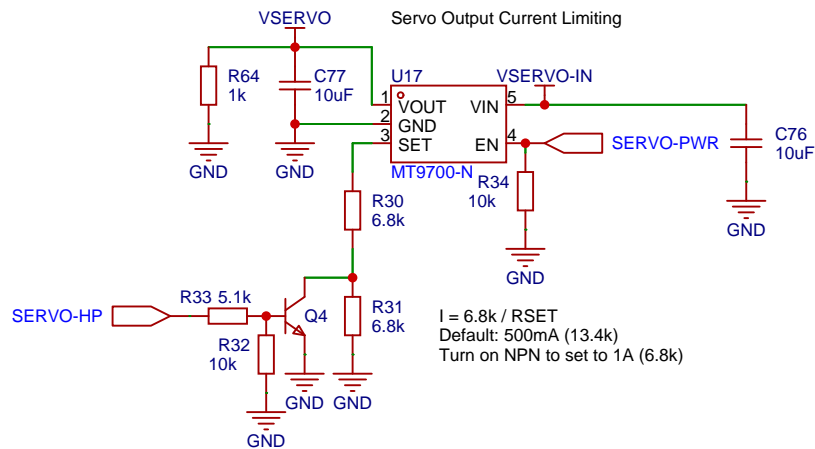
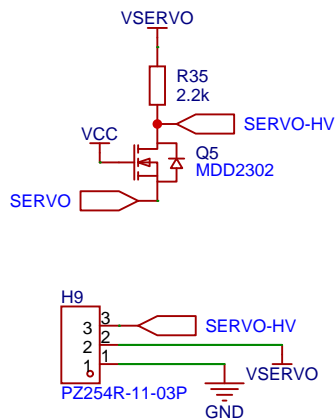
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			Update at	2025-08-18
Board	SW Learning Board		Page	LEDs
Drawn		Avionics Learning Board		
Reviewed				
		Version	Size	Page 11 Total 22
EasyEDA		V1.0	A4	EasyEDA.com



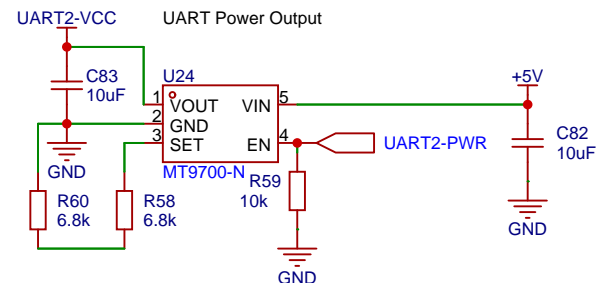
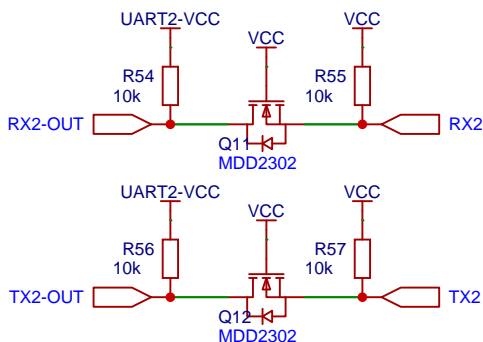
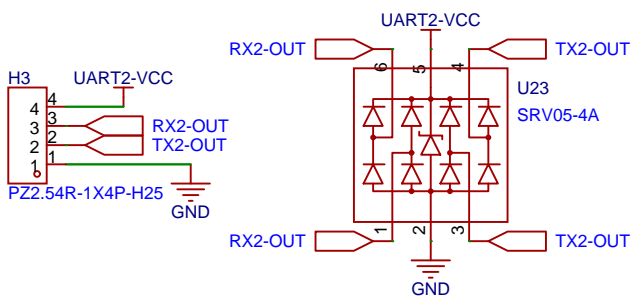
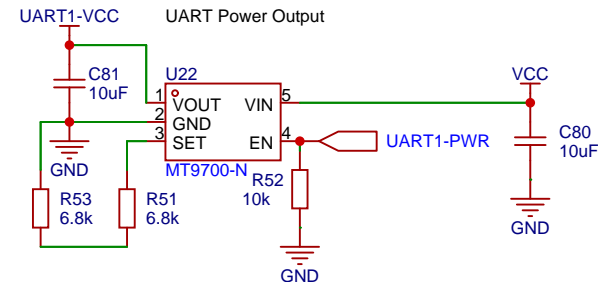
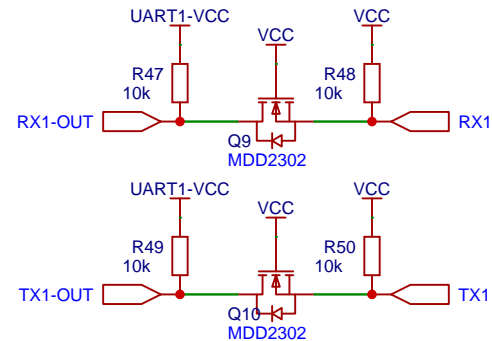
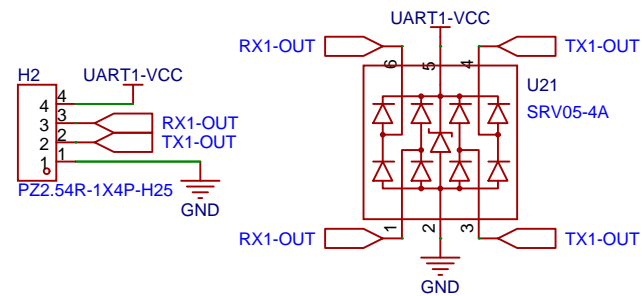
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Board	SW Learning Board			Update at	2025-08-17
Drawn	Avionics Learning Board			Page	Battery
Reviewed					
		Version	Size	Page 13 Total 22	
EasyEDA		V1.0	A4	EasyEDA.com	



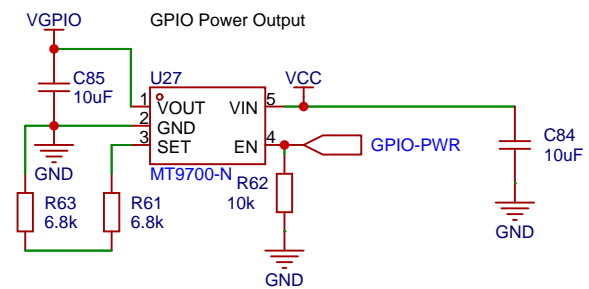
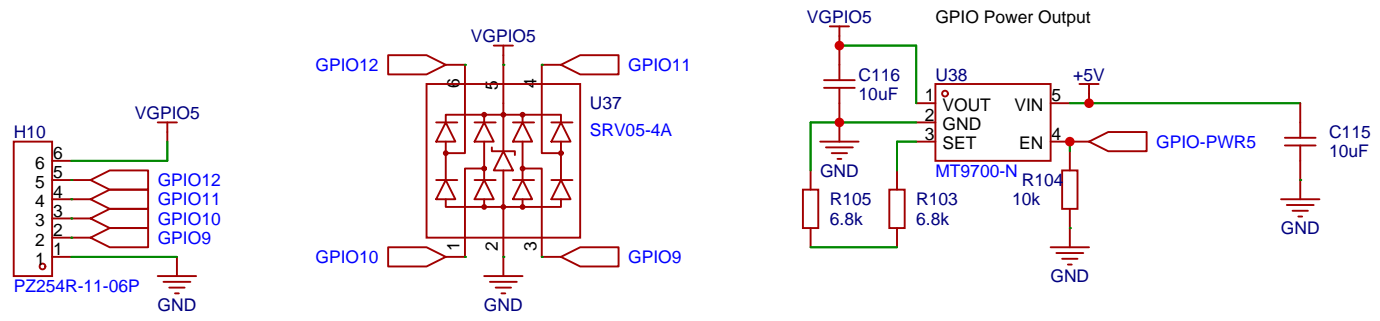
Schematic	Schematic3			Create at	2025-08-17
Board	SW Learning Board			Update at	2025-08-17
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 14 Total 22	
		V1.0	A4	EasyEDA.com	



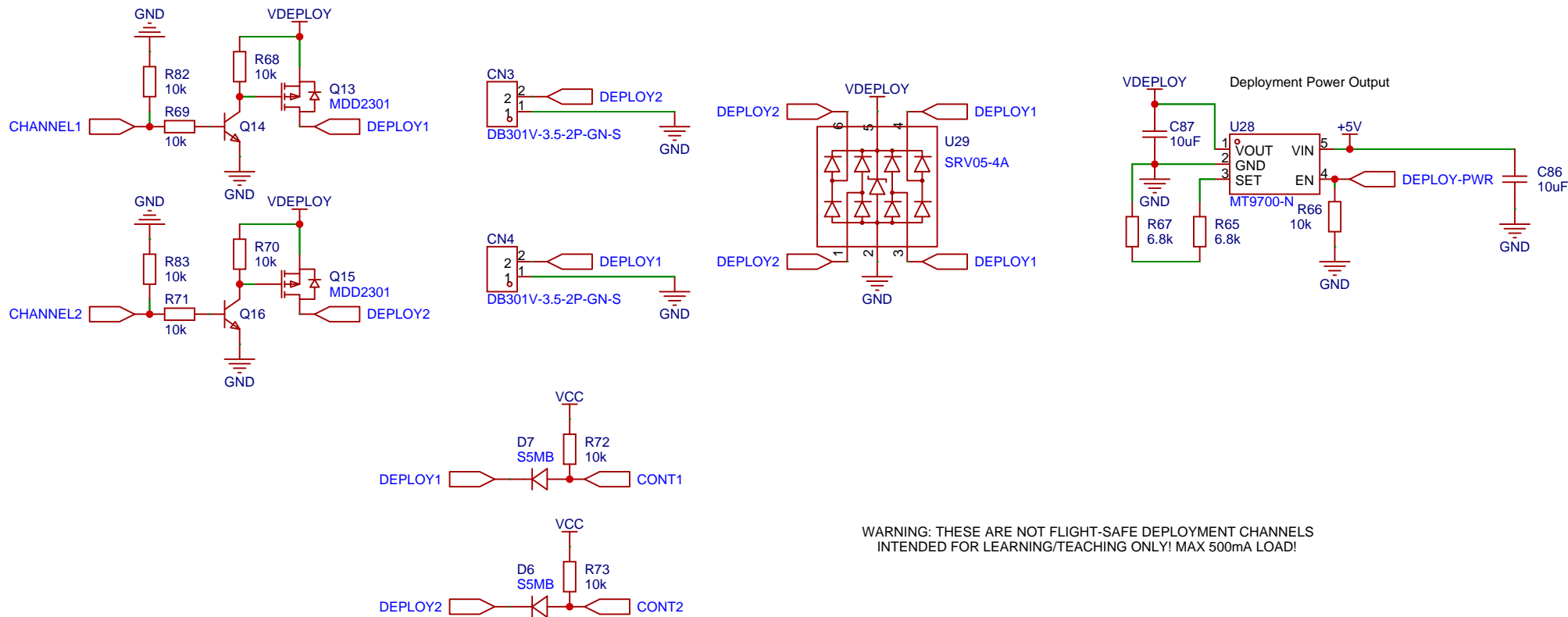
Schematic	Schematic3			Create at	2025-08-16
Board	SW Learning Board			Update at	2025-08-17
Drawn	Avionics Learning Board				
Reviewed					
	Version	Size	Page 15 Total 22		
		V1.0	A4	EasyEDA.com	




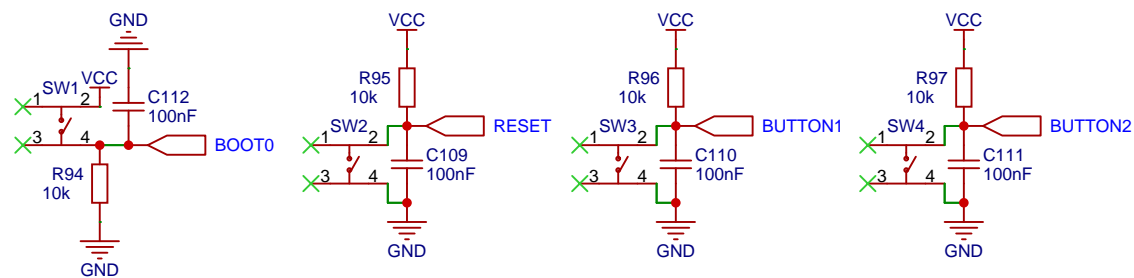
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Board	SW Learning Board			Update at	2025-08-17
Drawn	Avionics Learning Board			Page	UART Connectors
Reviewed					
		Version	Size	Page 17 Total 22	
		V1.0	A4	EasyEDA.com	



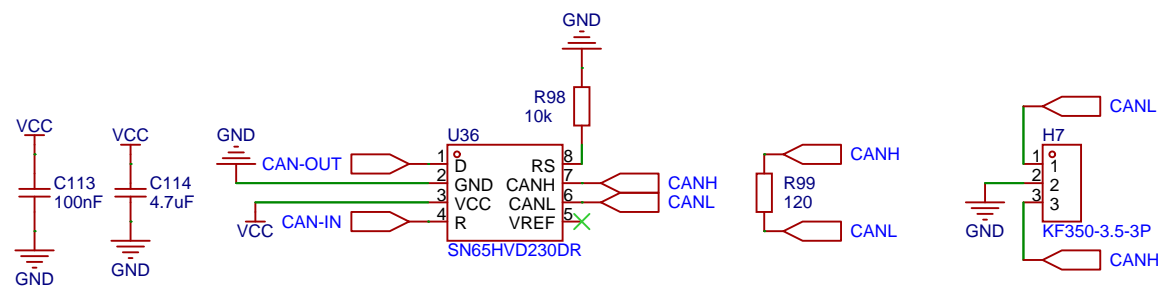
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Board	SW Learning Board			Update at	2025-08-17
Drawn	Avionics Learning Board				
Reviewed					
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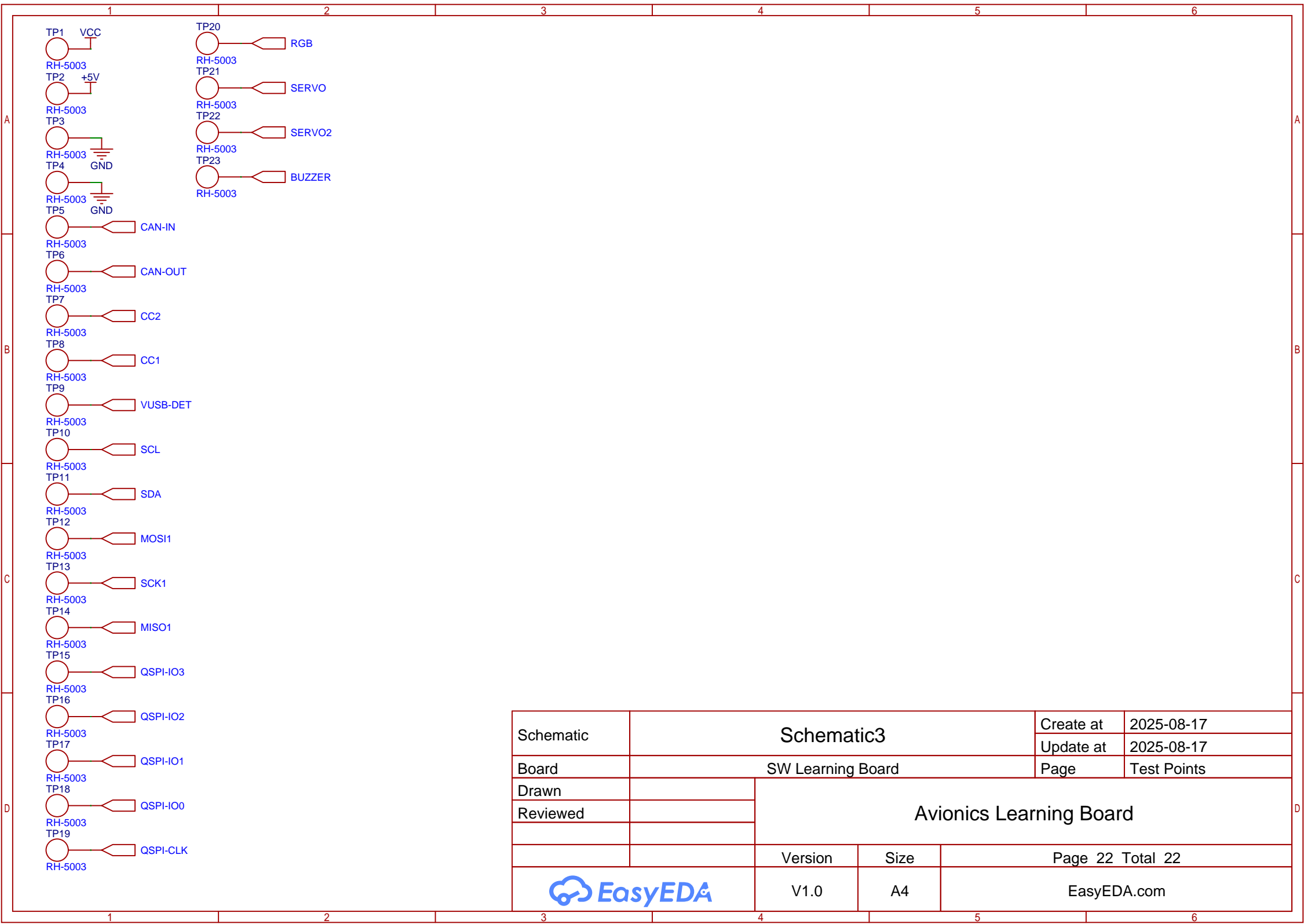
Schematic	Schematic3			Create at	2025-08-16
Board	SW Learning Board			Update at	2025-08-16
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 19 Total 22	
		V1.0	A4	EasyEDA.com	



Schematic	Schematic3			Create at	2025-08-17
Board	SW Learning Board			Update at	2025-08-17
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 20 Total 22	
EasyEDA		V1.0	A4	EasyEDA.com	



Schematic	Schematic3			Create at	2025-08-17
				Update at	2025-08-17
Board	SW Learning Board			Page	CAN Transceiver
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 21 Total 22	
EasyEDA		V1.0	A4	EasyEDA.com	



Schematic	Schematic3		Create at	2025-08-17
			Update at	2025-08-17
Board	SW Learning Board		Page	Test Points
Drawn		Avionics Learning Board		
Reviewed				
		Version	Size	Page 22 Total 22
EasyEDA		V1.0	A4	EasyEDA.com