
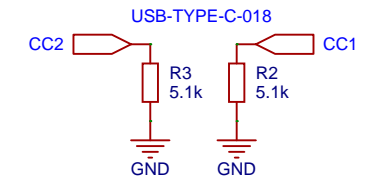
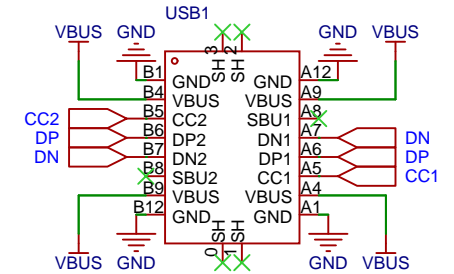
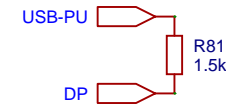


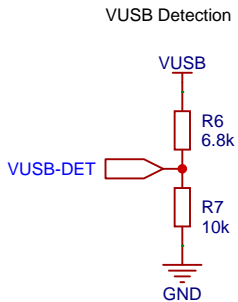
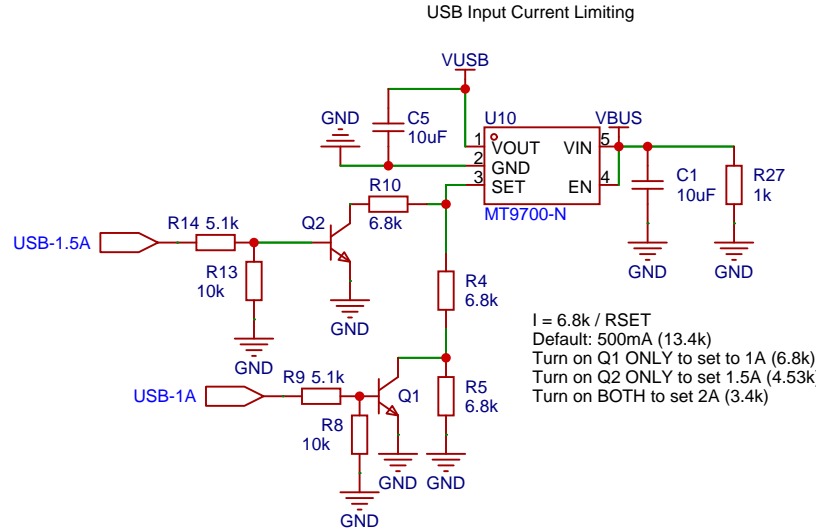
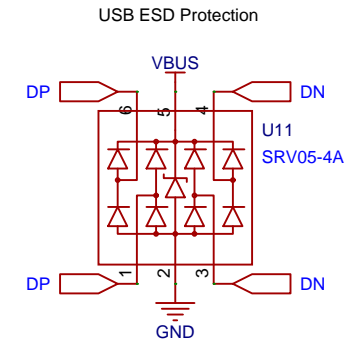
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Board	SW Learning Board		Update at	2025-08-16
Drawn		Avionics Learning Board		
Reviewed				
		Version	Size	Page 1 Total 22
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- Input for system power
- Data connection to STM32
- Current limited for safety
 - STM32 can read CC to determine higher current
 - Current limiter can set to 0.5, 1, 1.5, or 2A

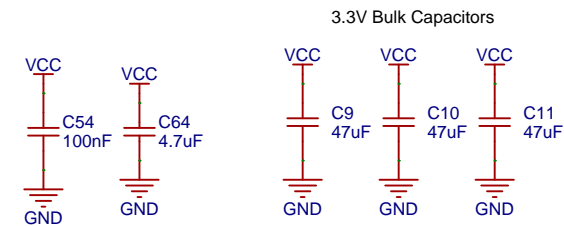
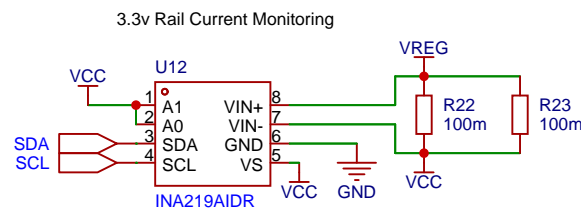
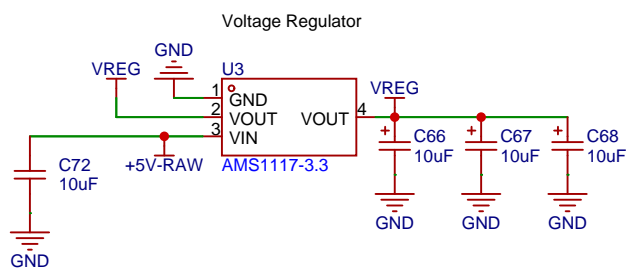



USB-C Receptacle

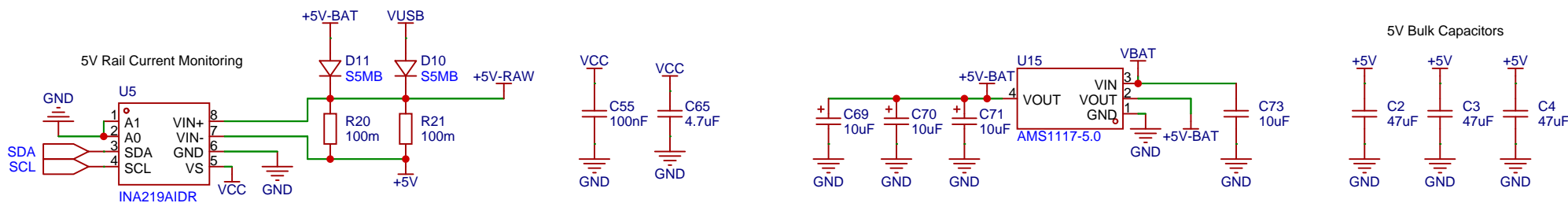
Measure voltage on CC1, CC2
to determine current supply ability
of connected host computer




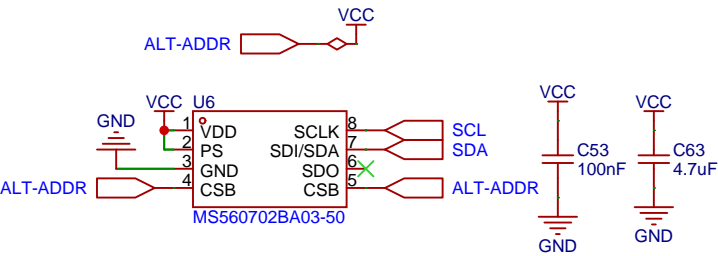
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				Update at	2025-08-16
Board	SW Learning Board			Page	USB
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 2 Total 22	
		V1.0	A4	EasyEDA.com	



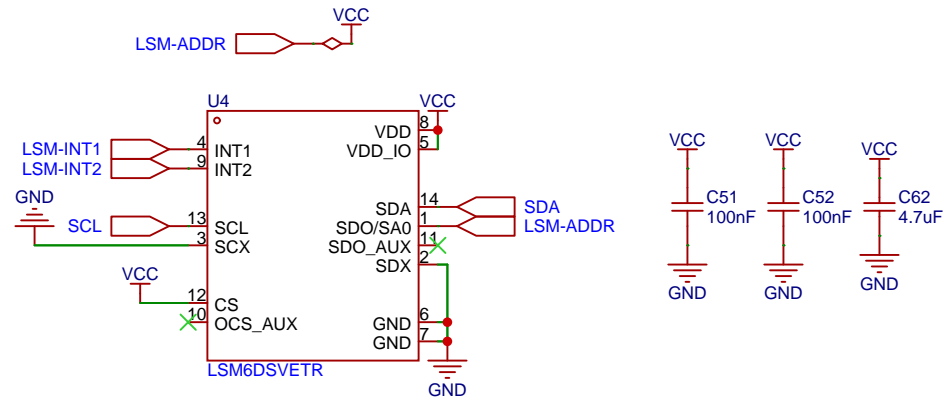
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Board	SW Learning Board		Page	3.3v Regulator
Drawn	Avionics Learning Board			
Reviewed				
		Version	Size	Page 3 Total 22
		V1.0	A4	EasyEDA.com




Schematic	Schematic3			Create at	2025-08-16
Board	SW Learning Board			Update at	2025-08-16
Drawn	Avionics Learning Board			Page	5V Regulator
Reviewed					
		Version	Size	Page 4 Total 22	
		V1.0	A4	EasyEDA.com	

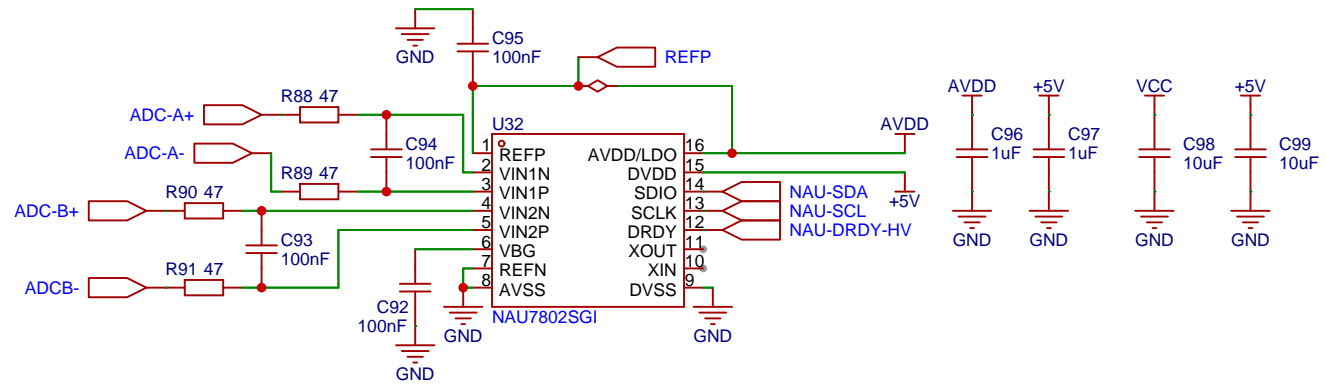
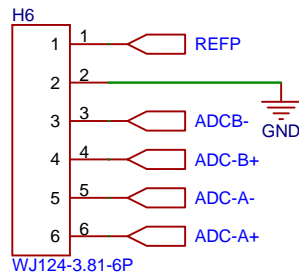
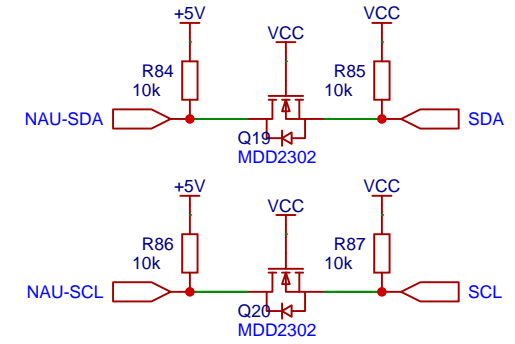
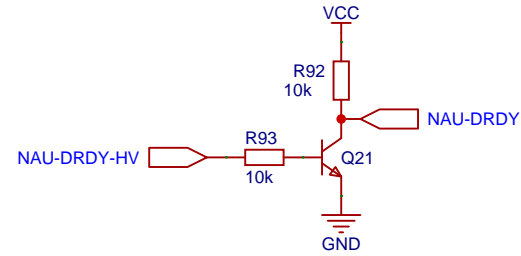


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				Update at	2025-08-16
Board	SW Learning Board			Page	Altimeter
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 5 Total 22	
EasyEDA		V1.0	A4	EasyEDA.com	

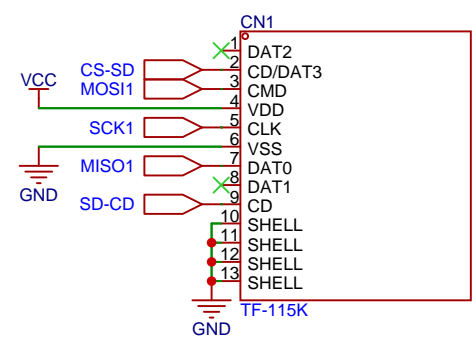
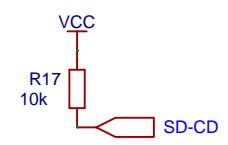
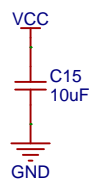


Schematic	Schematic3			Create at	2025-08-16
Board	SW Learning Board			Update at	2025-08-16
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 6 Total 22	
		V1.0	A4	EasyEDA.com	

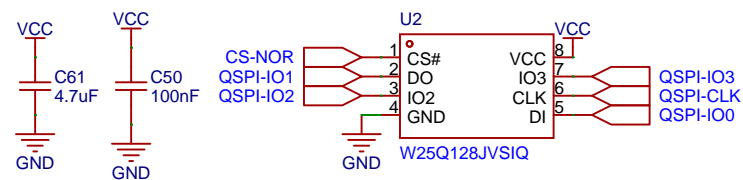
Set PGA_CAP_EN, Register 0x1C[7]=1 if not using channel 2



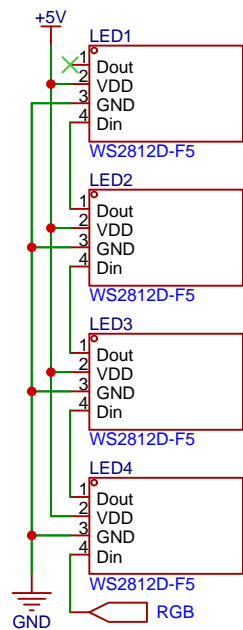
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Board	SW Learning Board			Update at	2025-08-17
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 7 Total 22	
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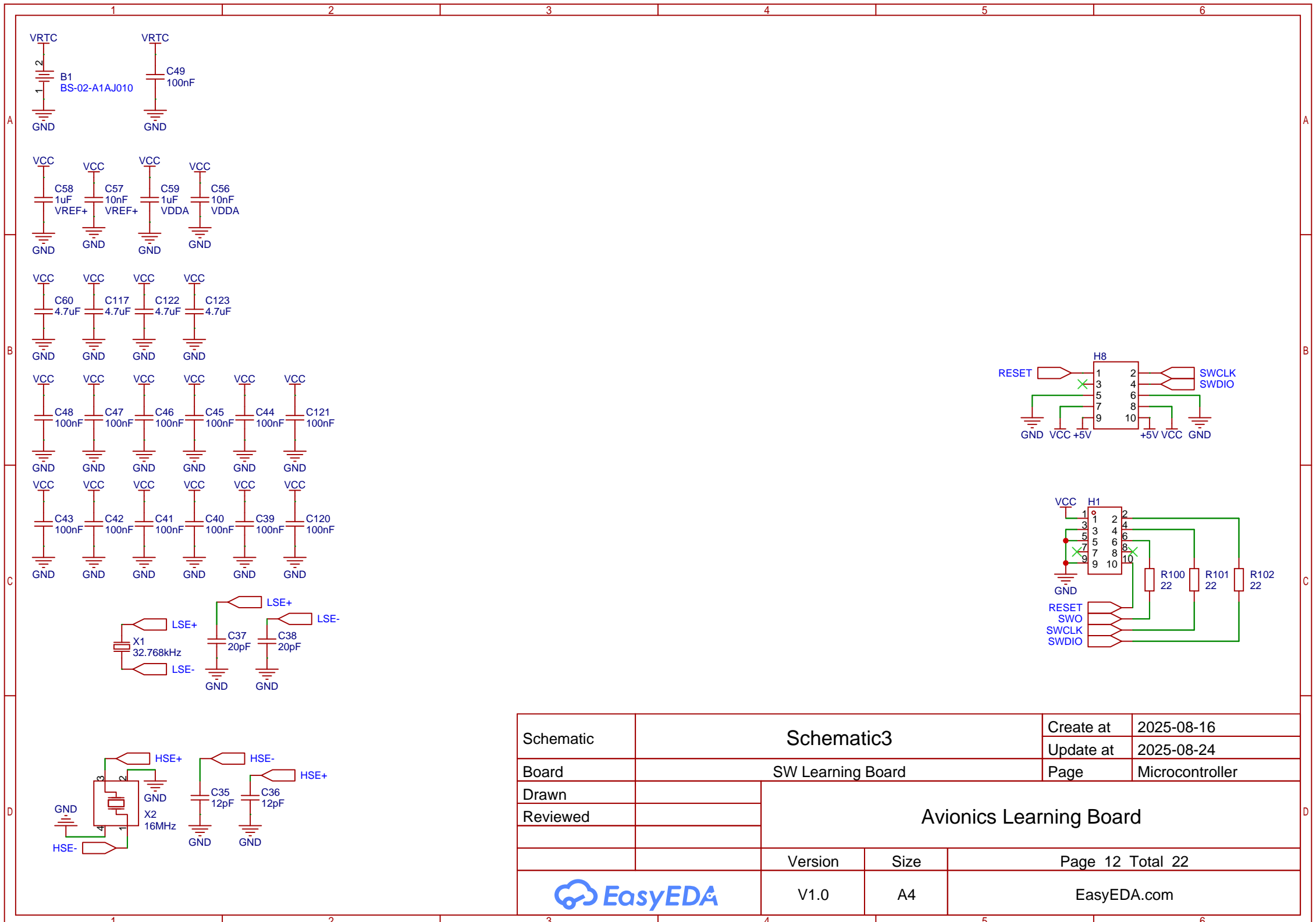
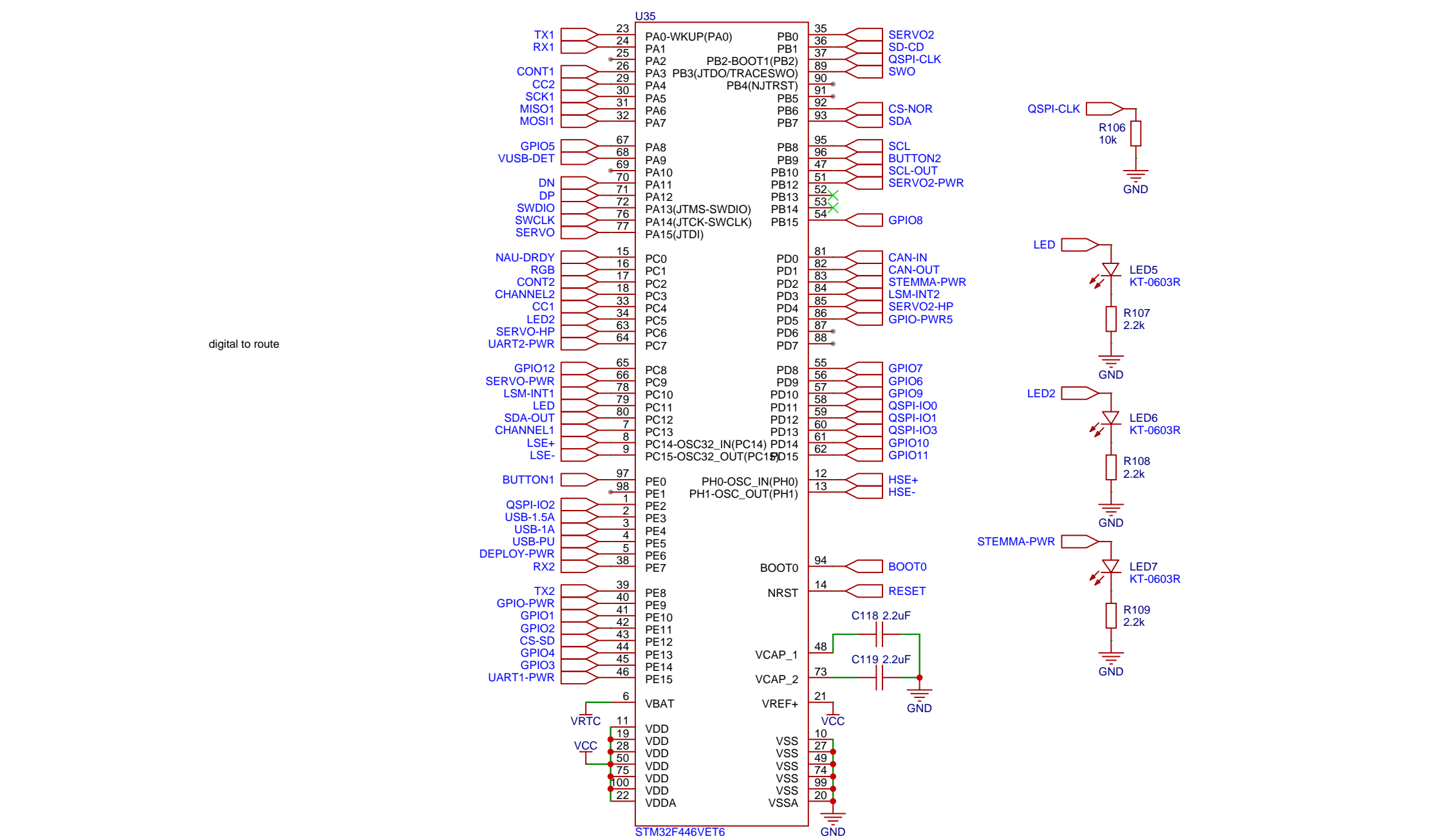
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Board	SW Learning Board			Update at	2025-08-17
Drawn	Avionics Learning Board			Page	uSD Card Slot
Reviewed					
		Version	Size	Page 8 Total 22	
		V1.0	A4	EasyEDA.com	

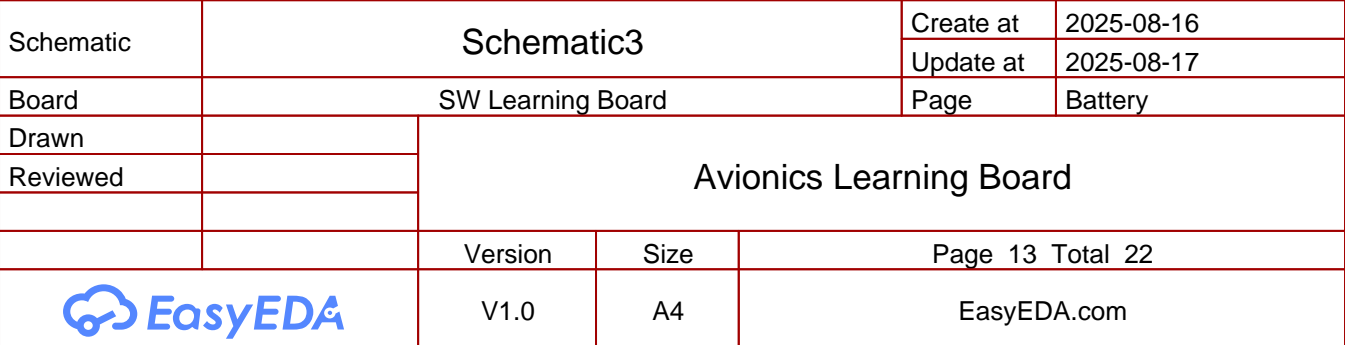


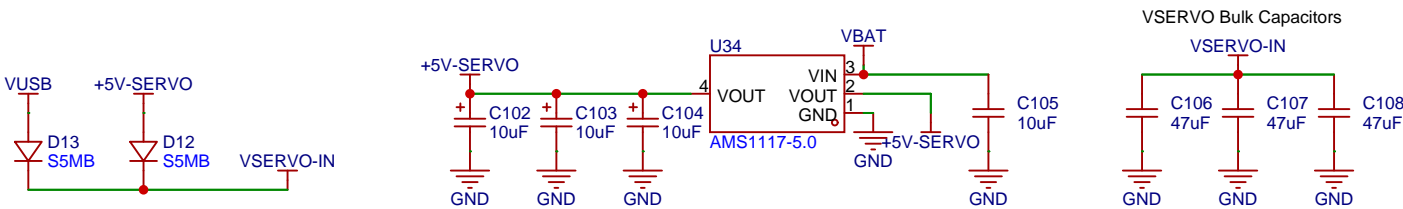
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Board	SW Learning Board			Update at	2025-08-17
Drawn		Avionics Learning Board			
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EasyEDA		V1.0	A4	EasyEDA.com	



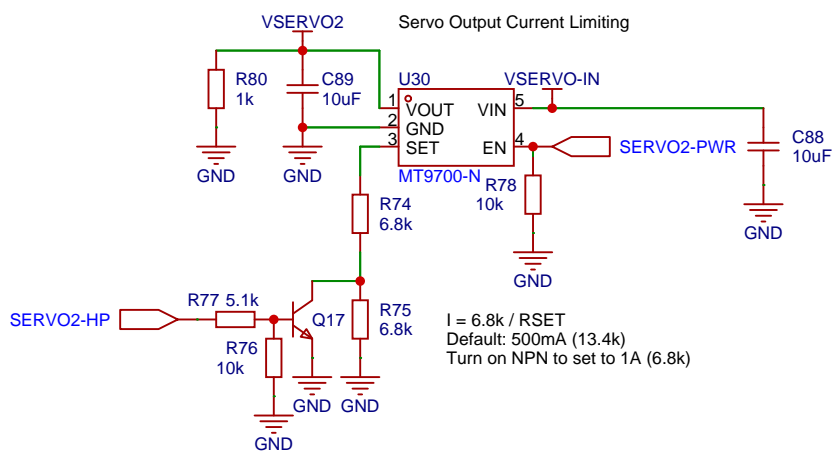
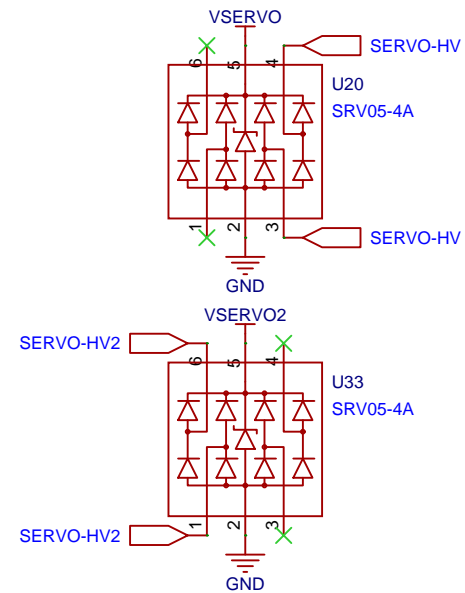
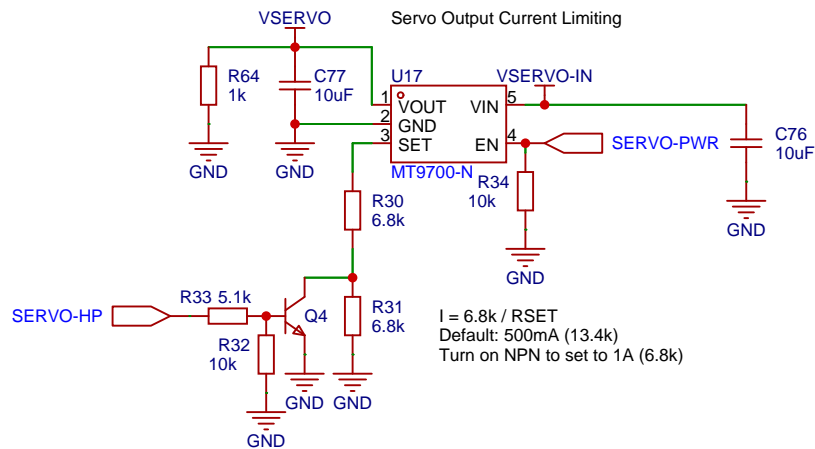
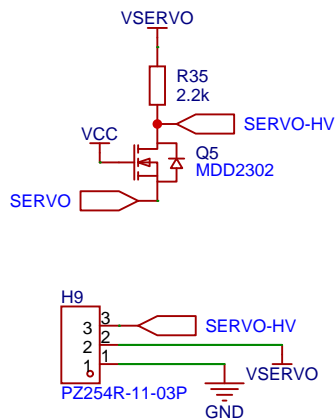
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			Update at	2025-08-18
Board	SW Learning Board		Page	LEDs
Drawn		Avionics Learning Board		
Reviewed				
		Version	Size	Page 11 Total 22
EasyEDA		V1.0	A4	EasyEDA.com




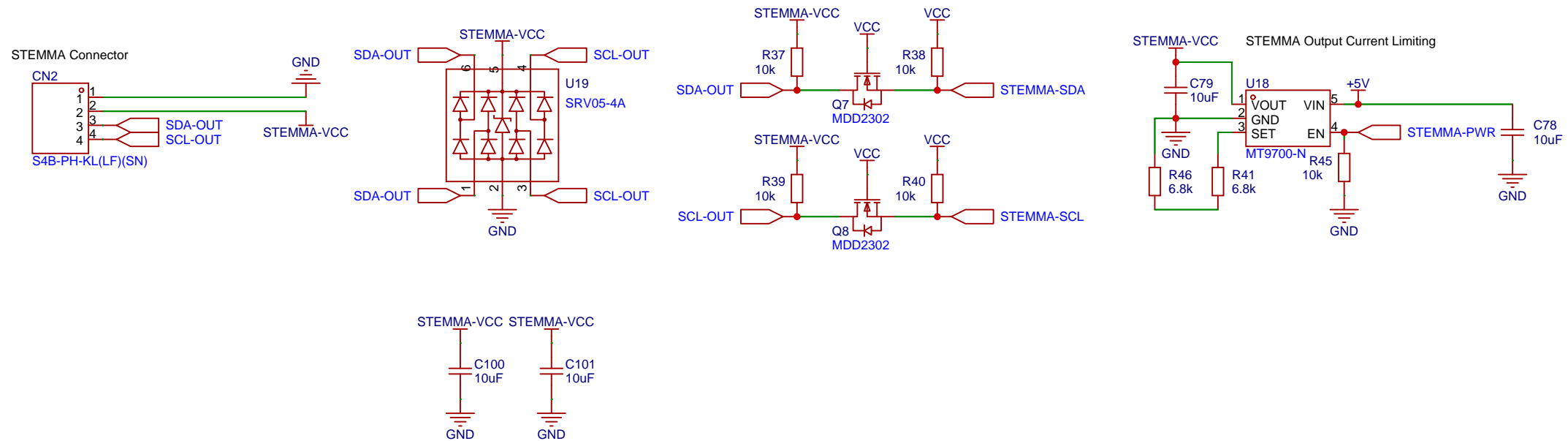





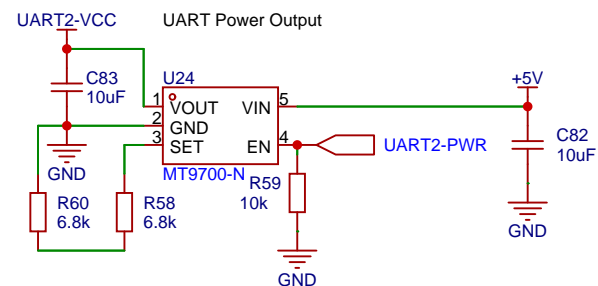
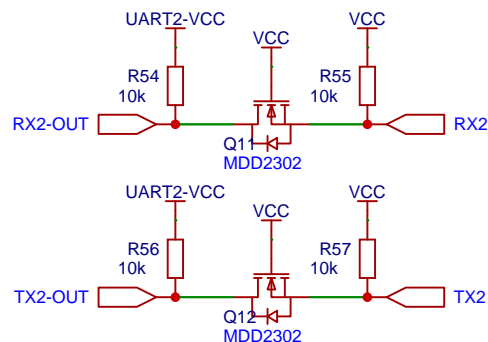
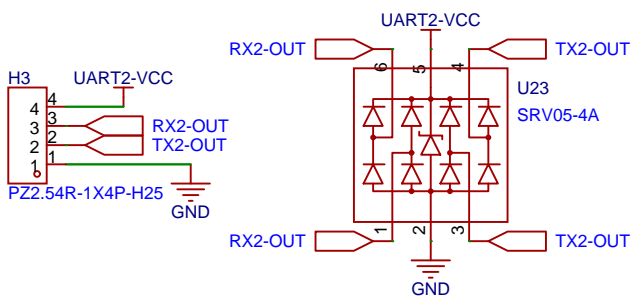
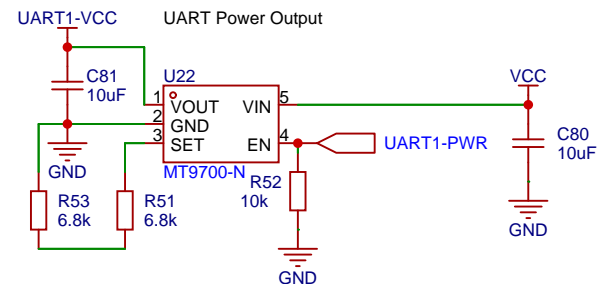
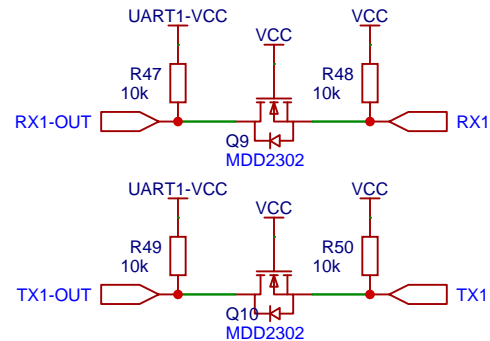
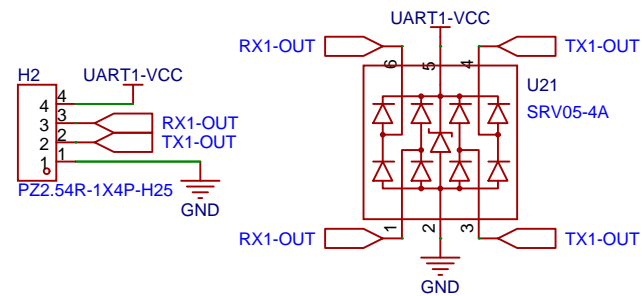
Schematic	Schematic3			Create at	2025-08-17
Board	SW Learning Board			Update at	2025-08-17
Drawn	Avionics Learning Board			Page	Servo Power
Reviewed					
		Version	Size	Page 14 Total 22	
		V1.0	A4	EasyEDA.com	



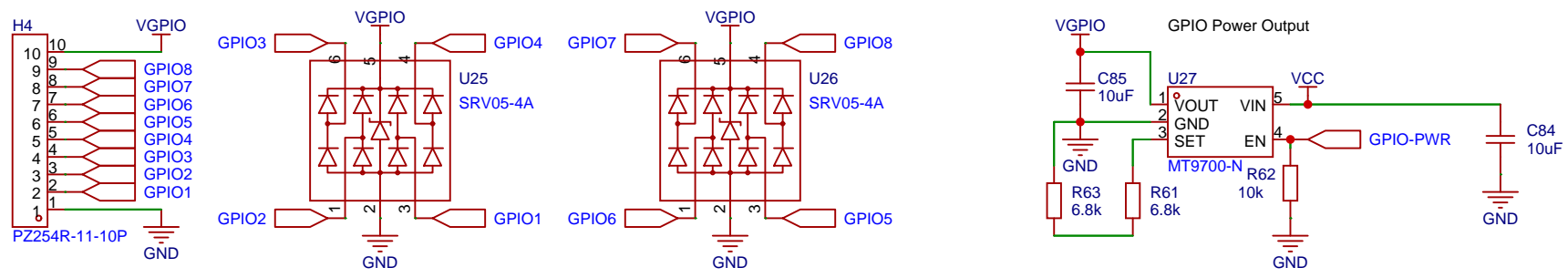
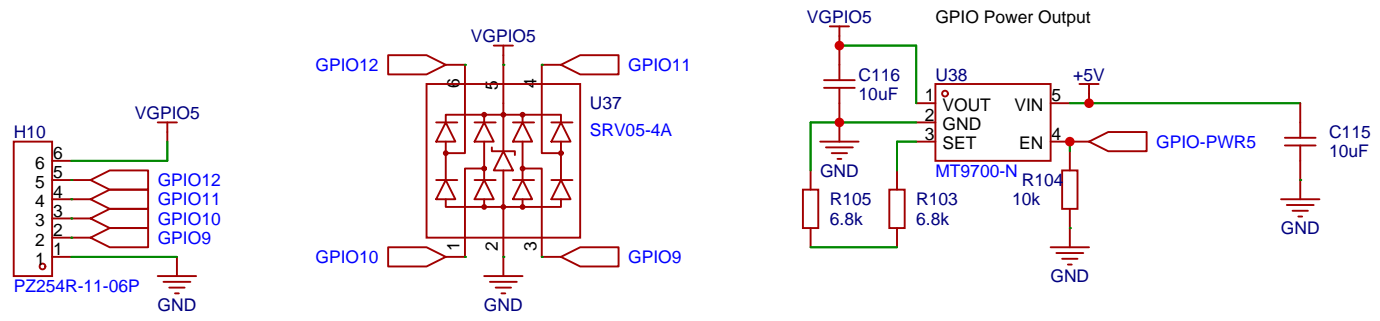
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Board	SW Learning Board			Update at	2025-08-17
Drawn	Avionics Learning Board				
Reviewed					
		Version	Size	Page 15 Total 22	
		V1.0	A4	EasyEDA.com	



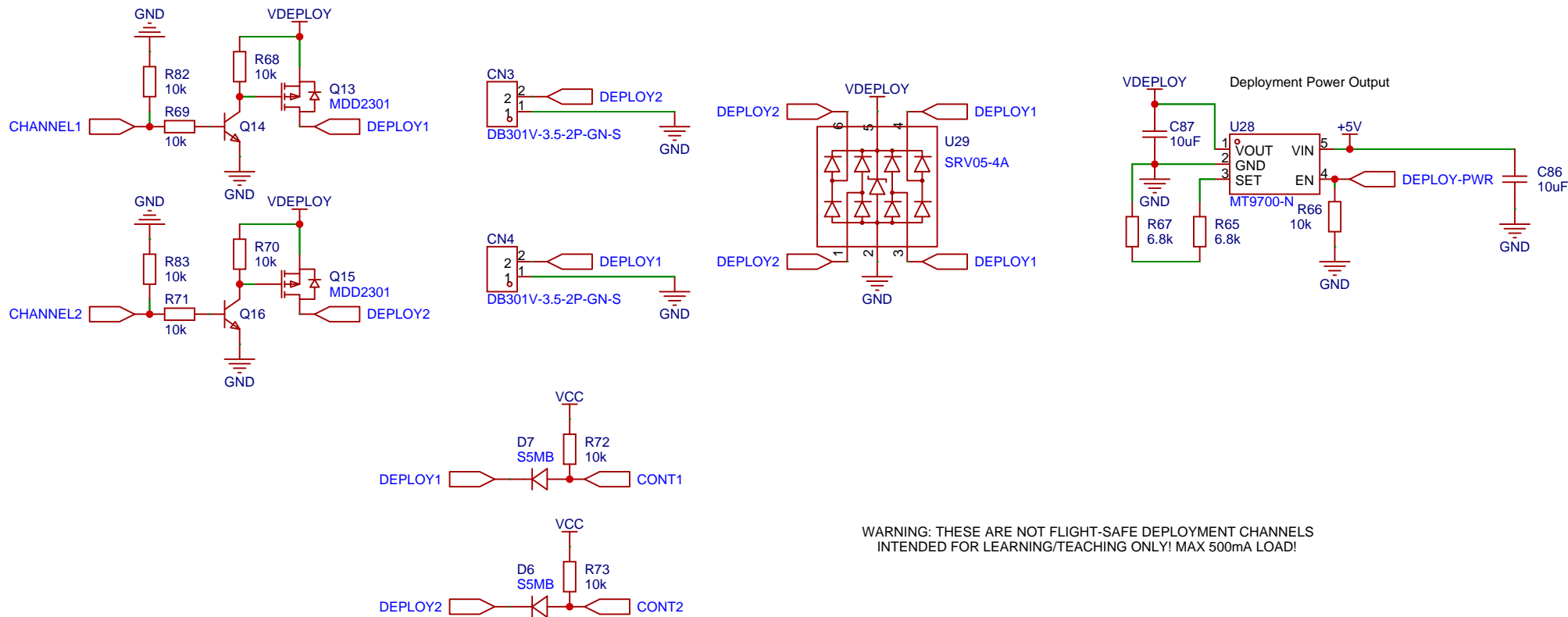
Schematic	Schematic3			Create at	2025-08-16
				Update at	2025-08-17
Board	SW Learning Board			Page	STEMMA Connector
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 16 Total 22	
		V1.0	A4	EasyEDA.com	



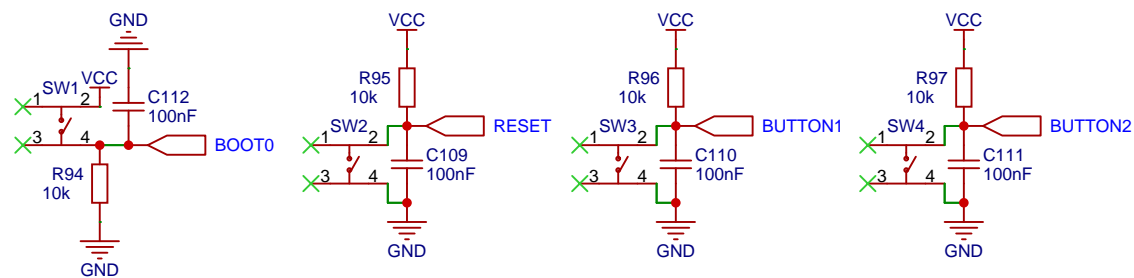
Schematic	Schematic3			Create at	2025-08-16
Board	SW Learning Board			Update at	2025-08-17
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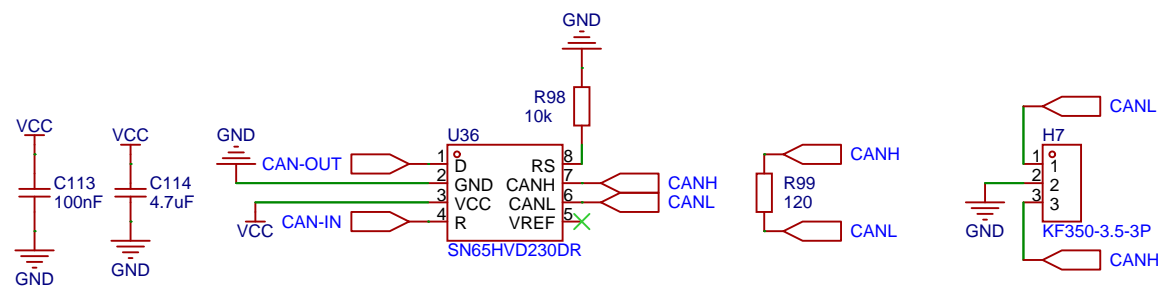
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Board	SW Learning Board			Update at	2025-08-17
Drawn		Avionics Learning Board			
Reviewed					
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		V1.0	A4	EasyEDA.com	



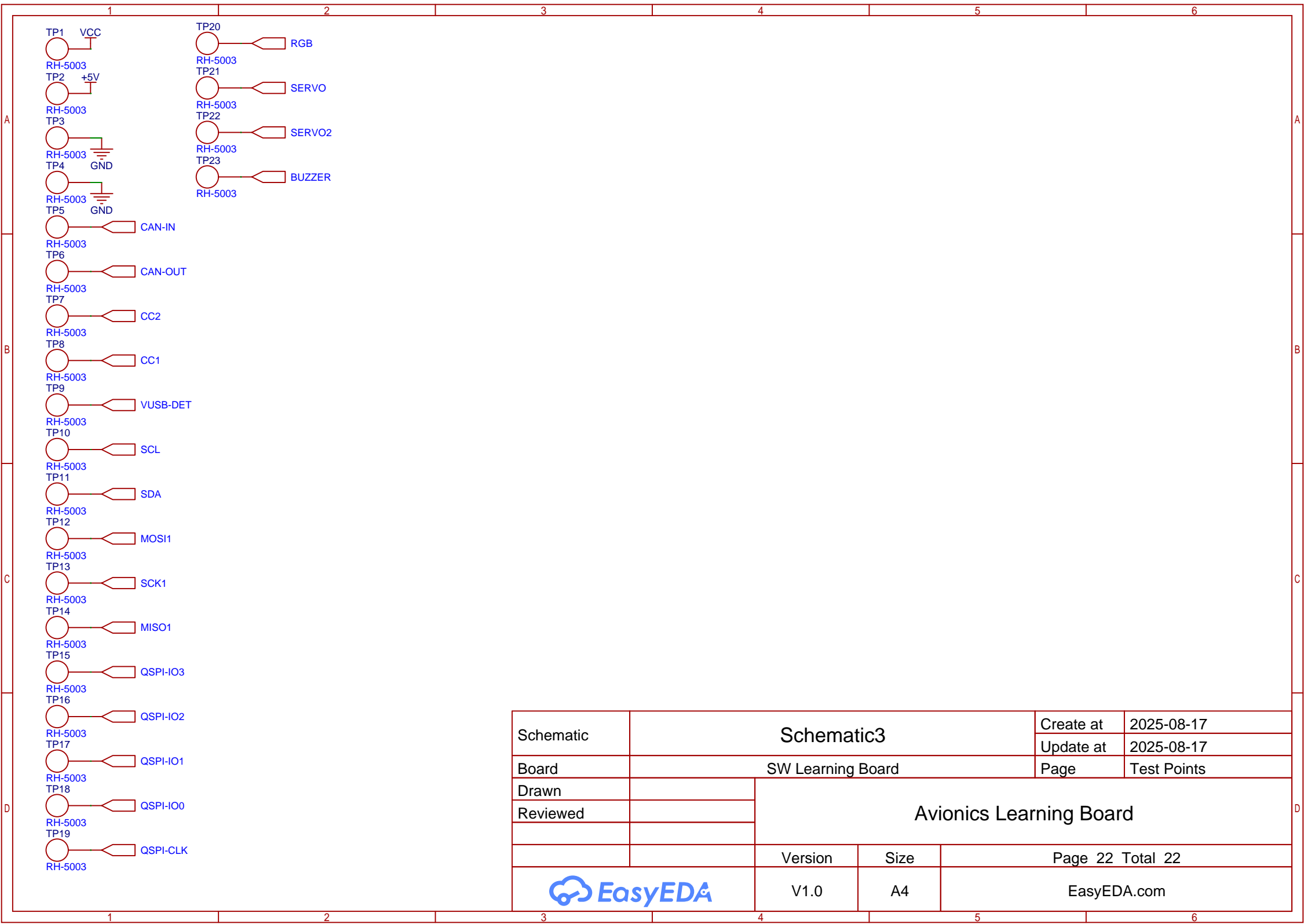
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Board	SW Learning Board			Update at	2025-08-16
Drawn		Avionics Learning Board			
Reviewed					
		Version	Size	Page 19 Total 22	
EasyEDA		V1.0	A4	EasyEDA.com	



Schematic	Schematic3			Create at	2025-08-17
				Update at	2025-08-17
Board	SW Learning Board			Page	Buttons
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