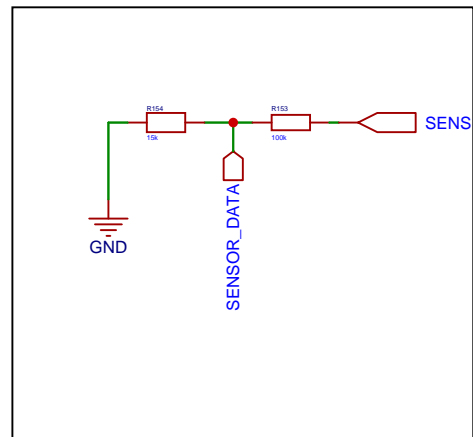
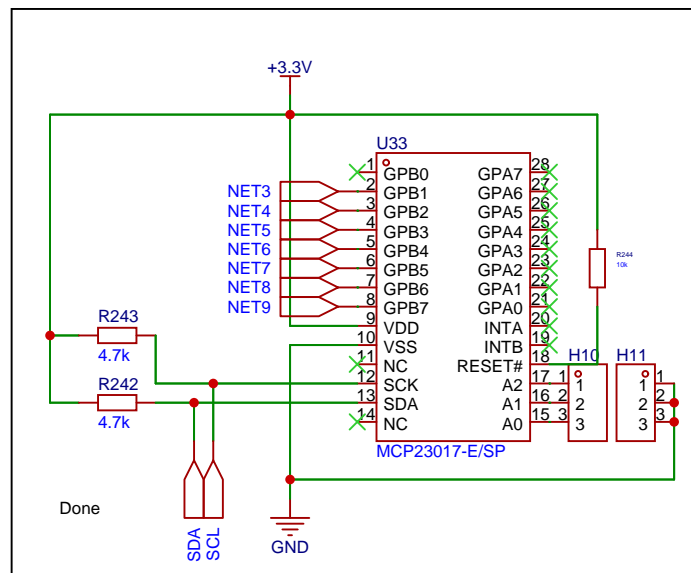
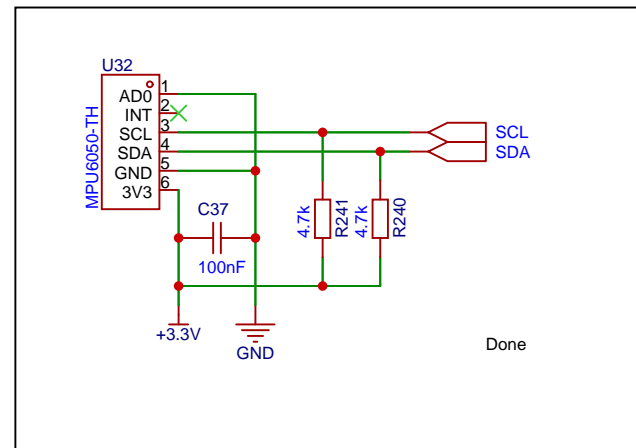
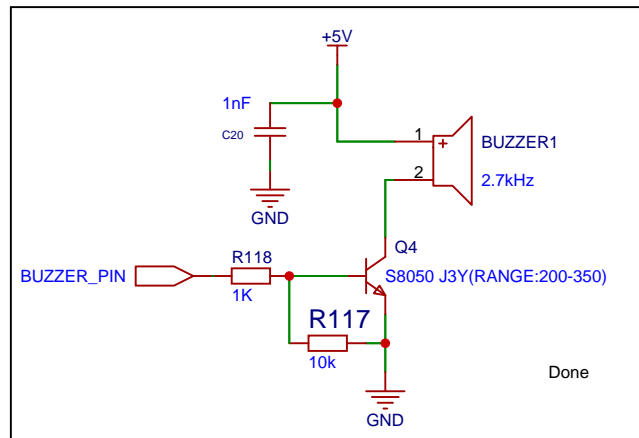
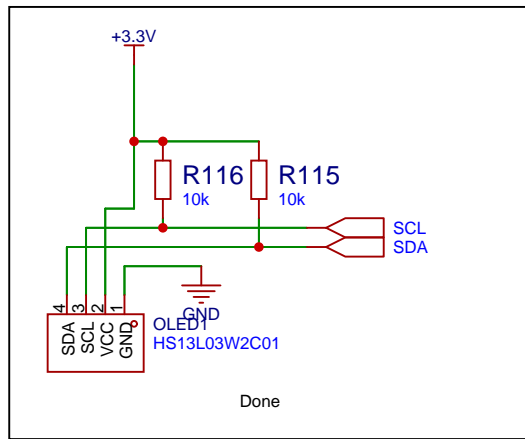
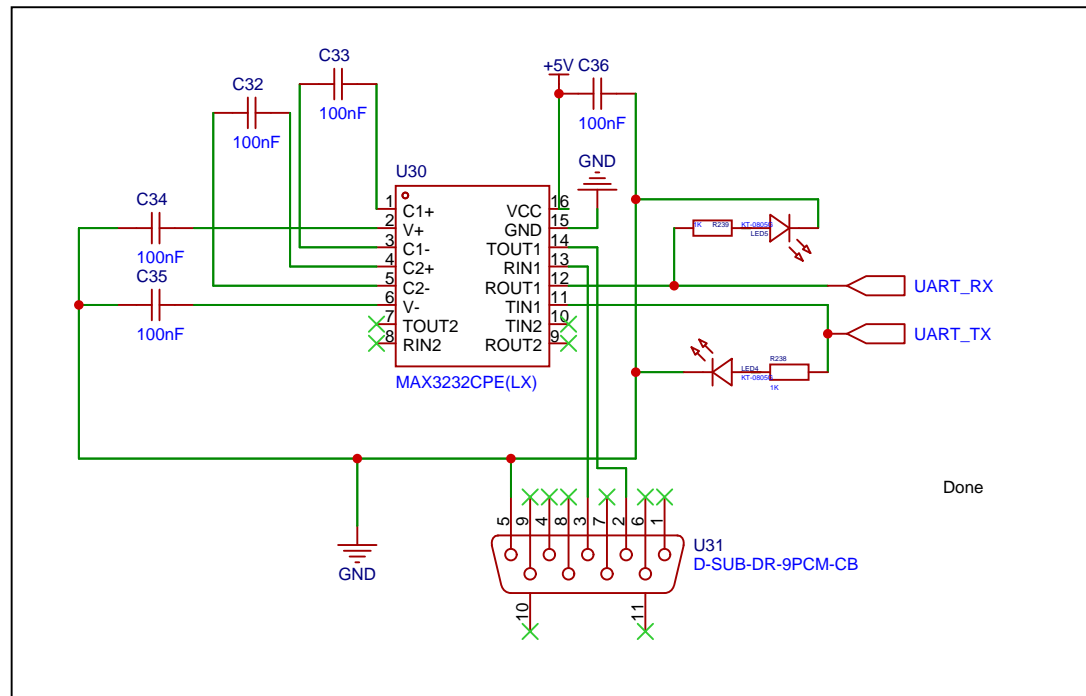
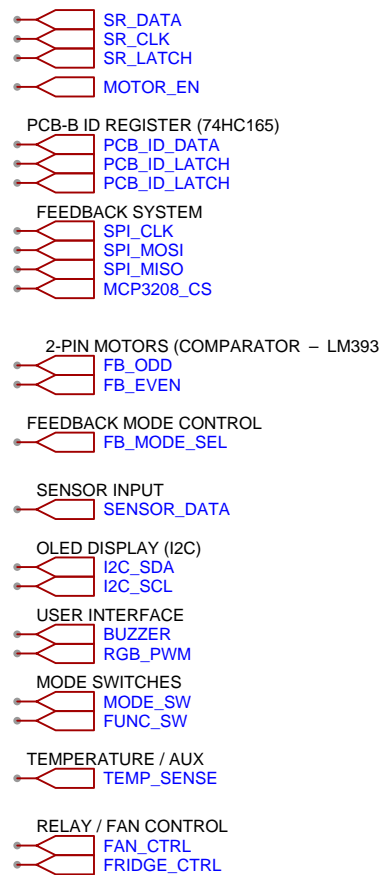
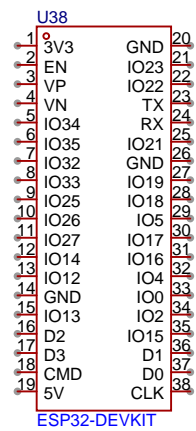




24V IN		Board Edge	Inward Order
[NTC]	inrush limiter	Distance	Part
[MOV]	lightning / big surge	0 – 10mm	VIN Connector
[TVS]	fast transient clamp	10 – 20mm	F1
[FUSE]		20 – 30mm	MOV + TVS
		30 – 45mm	MOSFET
		45 – 60mm	FB1 + C5
		60 – 75mm	FB2 + L1
		75 – 95mm	Bulk Caps
		95mm+	Buck Regulator
[1000µF + 1µF + 100nF]			
[FB / Inductor]		PE	[1M resistor]
			GND
+24V_FILT		PE	[47nF capacitor]

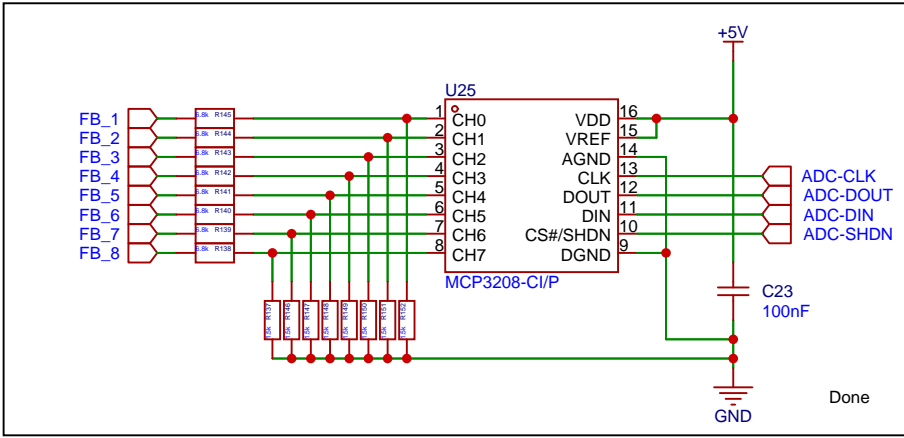
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Board	Board1			Update at	2026-01-29
Drawn		MV2			
Reviewed					
		Version	Size	Page 2 Total 7	
EasyEDA		V1.0	A4	EasyEDA.com	



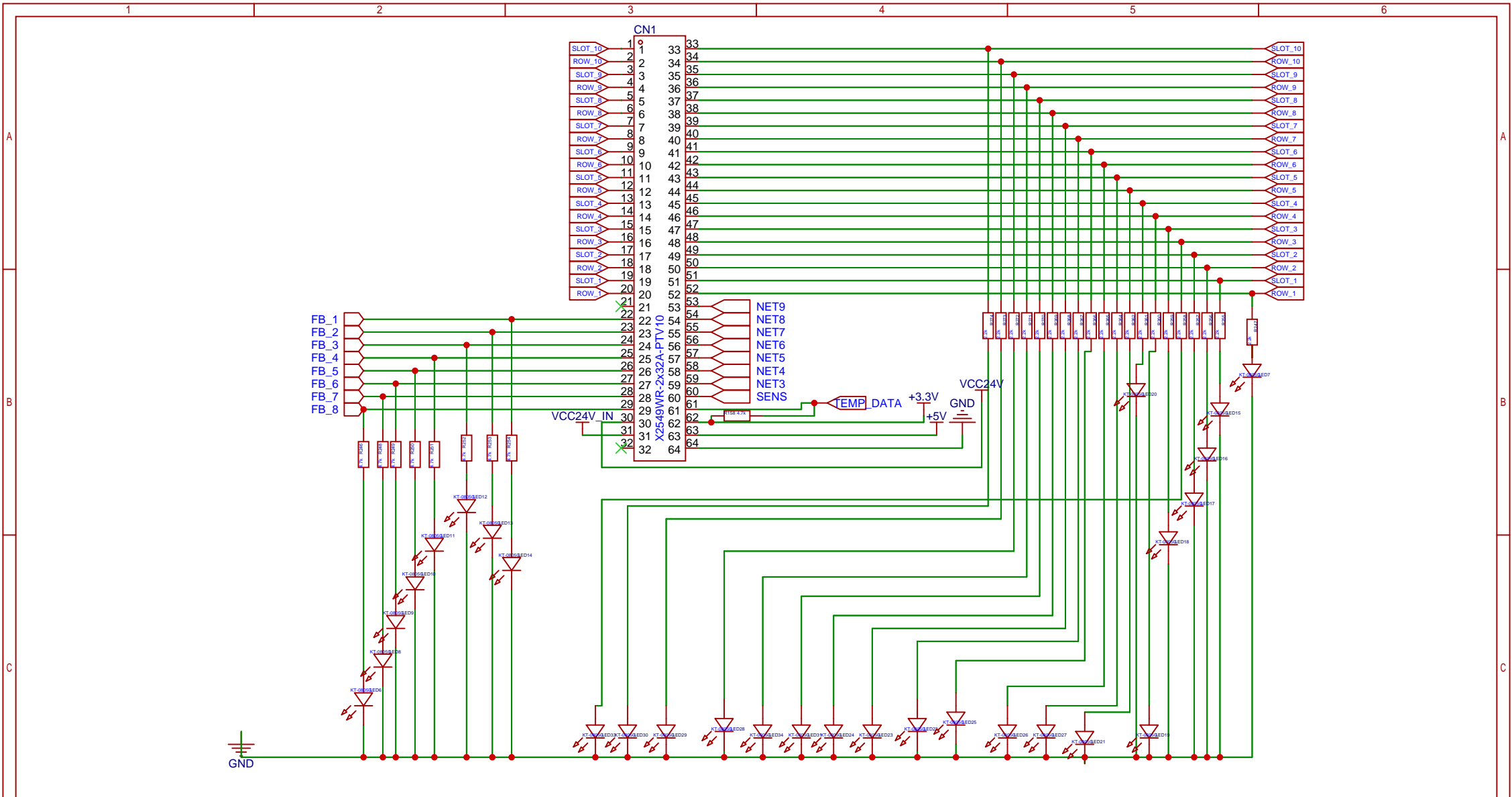
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				Update at	2026-01-27
Board	Board1			Page	ESP32 DEV KIT INTERFACE
Drawn		MV2			
Reviewed					
		Version	Size	Page 3 Total 7	
		V1.0	A4	EasyEDA.com	

1	2	3	4	5	6
A					A
B					B
C					C
D					D
1	2	3	4	5	6

Schematic	Schematic1		Create at	2026-01-20
Board	Board1		Update at	2026-01-21
Drawn		MV2		
Reviewed				
		Version	Size	Page 4 Total 7
		V1.0	A4	EasyEDA.com



Schematic	Schematic1			Create at	2026-01-21
Board	Board1			Update at	2026-01-27
Drawn		MV2			
Reviewed					
		Version	Size	Page 6 Total 7	
EasyEDA		V1.0	A4	EasyEDA.com	



Done

Schematic	Schematic1			Create at	2026-01-21
Board	Board1			Update at	2026-01-27
Drawn	MV2			Page	CARD EDGE CONNECTOR
Reviewed					
		Version	Size	Page 7 Total 7	
		V1.0	A4	EasyEDA.com	