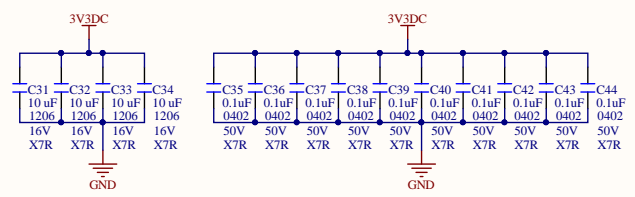


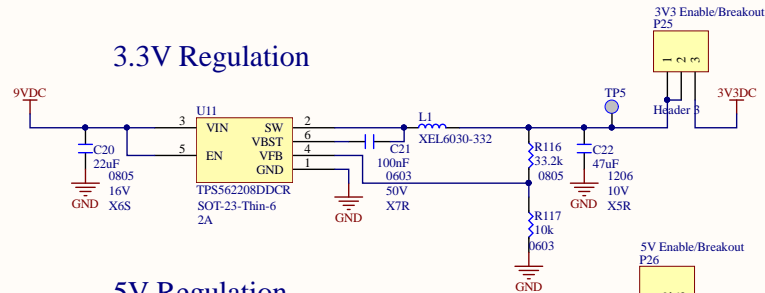
Decoupling



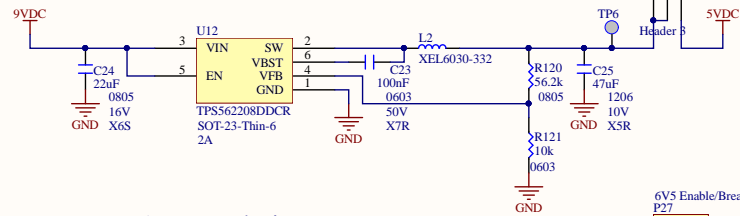
Unused Pins				
U1G				
1	RG15	RK1	51	
6	RPC1	RK2	52	
15	RPC7	RK3	53	
19	RK0	RK4	61	
21	RPC9	RK5	62	
26	RB4	ERXD2	67	
28	RJ13	RC12	71	
29	RJ14	RC15	72	
39	RA9	Vusb3v3	74	
40	RA10	RPF3	78	
43	RH0	RPF2	79	
44	RH1	RH9	82	
45	RH2	RK4	92	
46	RH3	RK5	93	
47	RPB8	RK6	94	
49	RPB10	RPA14	95	
50	RPB11	RPA15	96	
		EXTERR	114	

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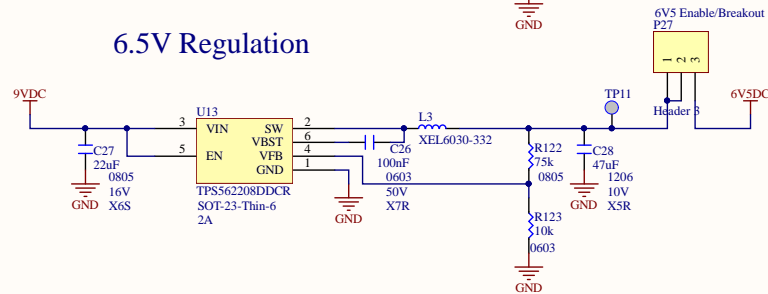
3.3V Regulation



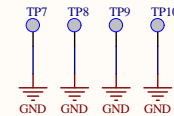
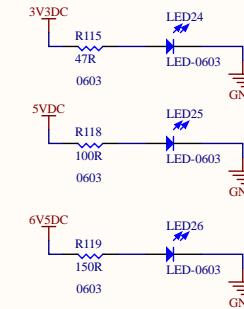
5V Regulation




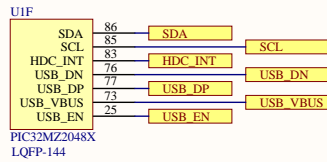
6.5V Regulation



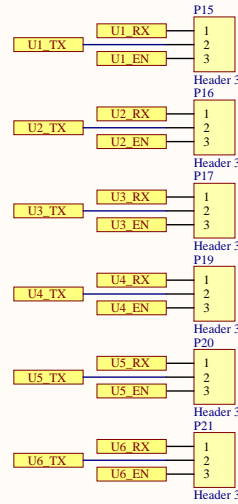
VREG LED Indicators



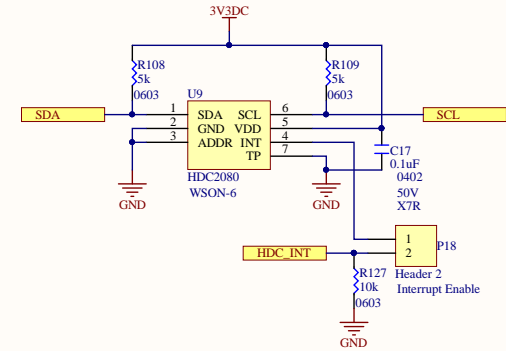
Title CCU - Voltage Regulation			Gravitas Sponsored By: Alan Morgan Technical Advisor: Dr. Joseph Morgan	
Size: B	GRAVHAC	Revision: 1A		
Date: 9/2/2019	Drawn By: M. Seago	Sheet 2 of 9		
File: C:\Users\Public\Documents\Altium\Projects\GRAVITAS CCU HAS\VREG CCU HAS.SchDoc				



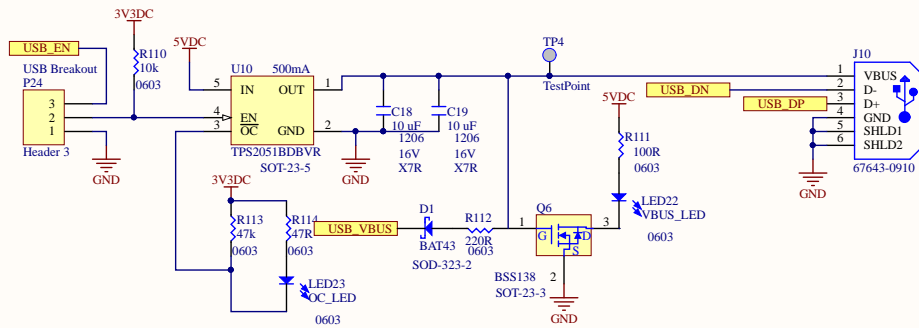
UART Breakouts



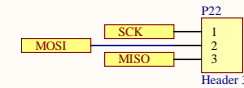
HDC2080



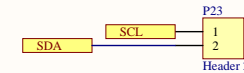
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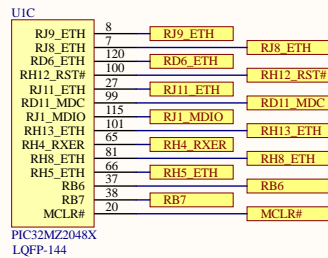
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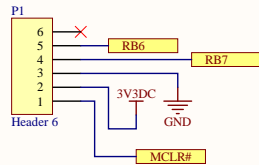
I2C Breakout



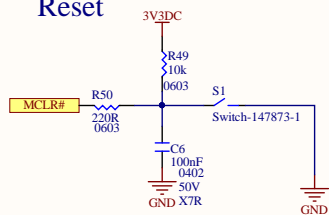
Title CCU - USB/Sensor/Breakouts			Gravitas Sponsored By: Alan Morgan Technical Advisor: Dr. Joseph Morgan		
Size: B	GRAVHAC	Revision: 1A			
Date: 9/2/2019	Drawn By: M. Seago	Sheet 4 of 9			
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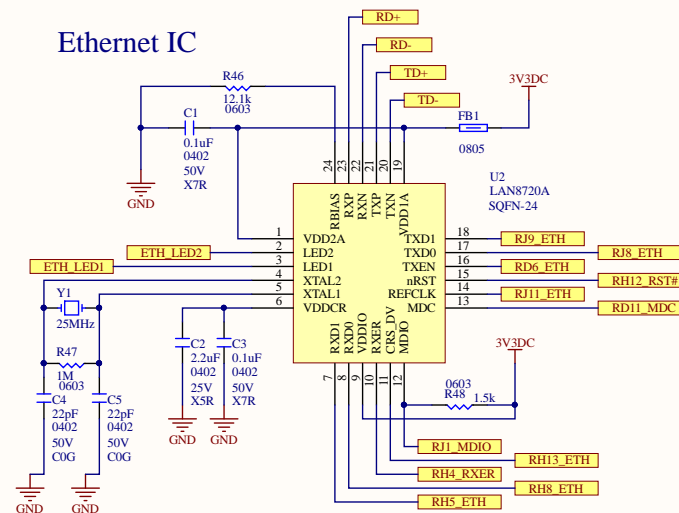
ICD - Pin Header



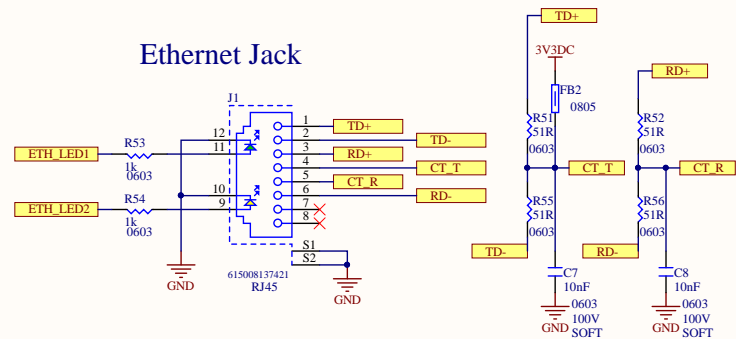
Reset



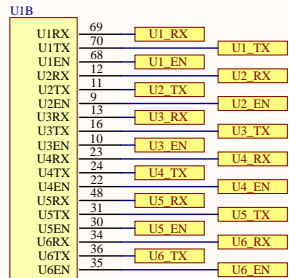
Ethernet IC



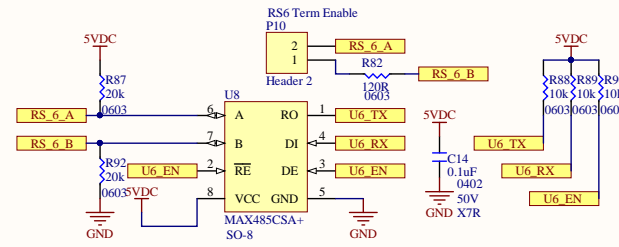
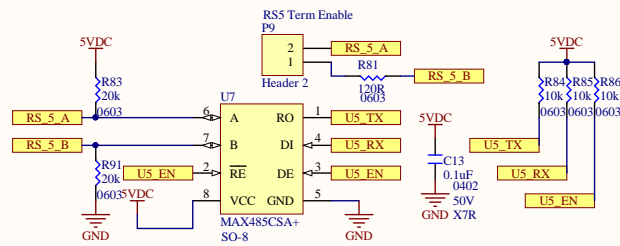
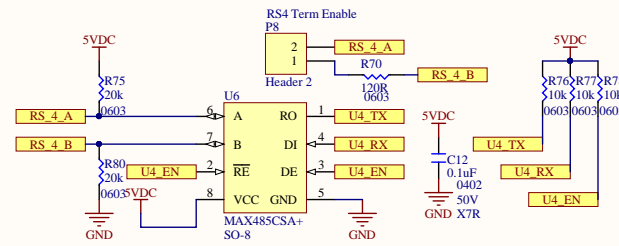
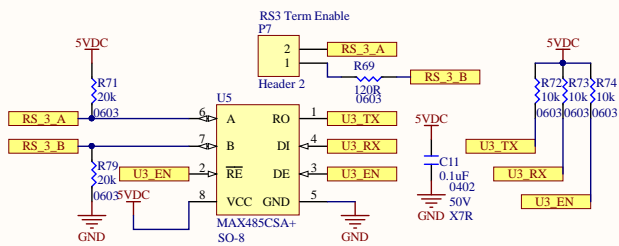
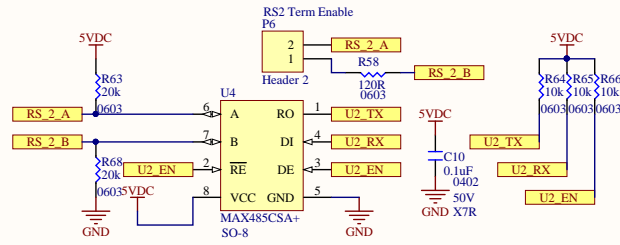
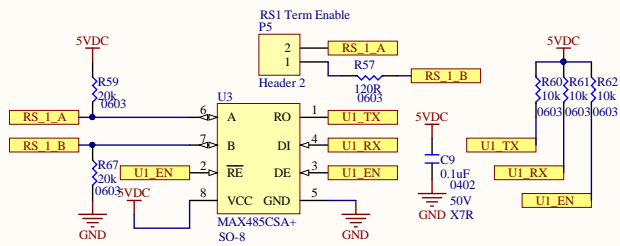
Ethernet Jack

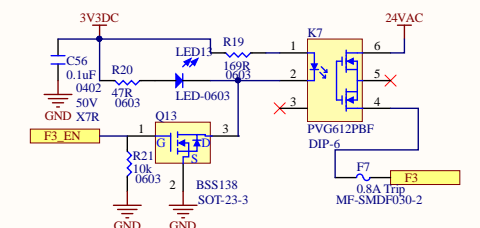
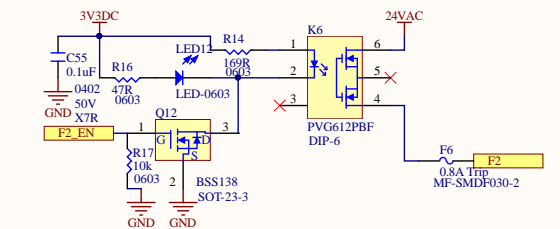
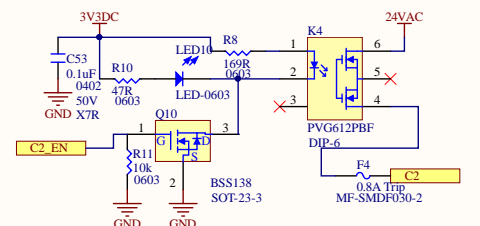
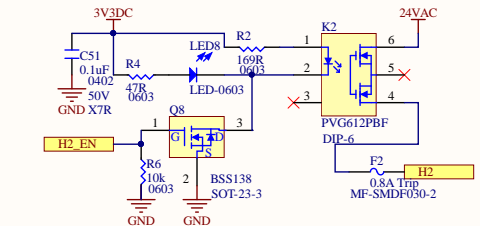
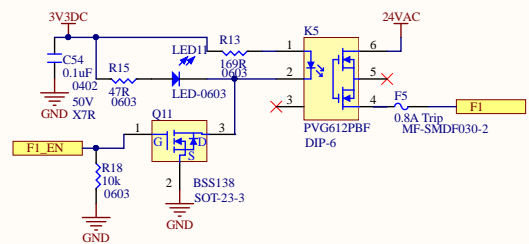
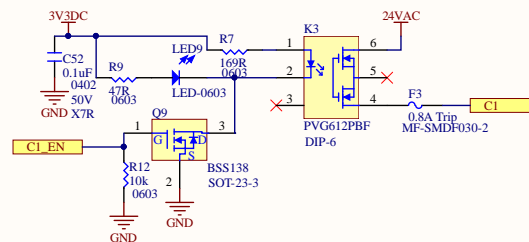
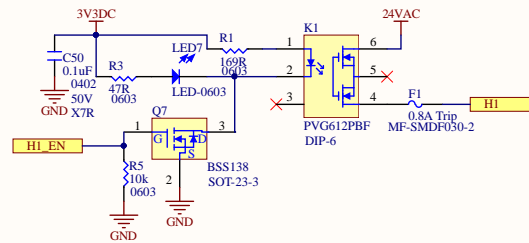
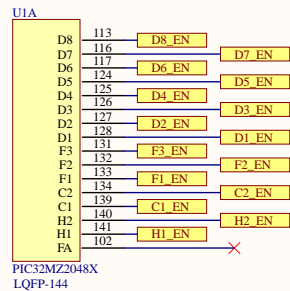



Title CCU - Ethernet/USB/Reset			Gravitas Sponsored By: Alan Morgan Technical Advisor: Dr. Joseph Morgan	
Size: B	GRAVHAC	Revision: 1A		
Date: 9/2/2019	Drawn By: M. Seago	Sheet 5 of 9		
File: C:\Users\Public\Documents\Alum\Projects\GRAVITAS CCU HAS\ETH ICD CCU HAS\SchDoc				

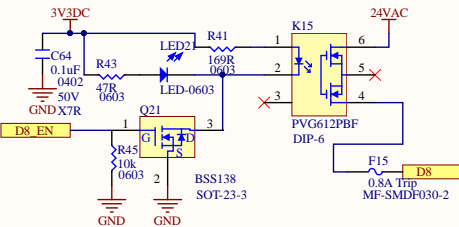
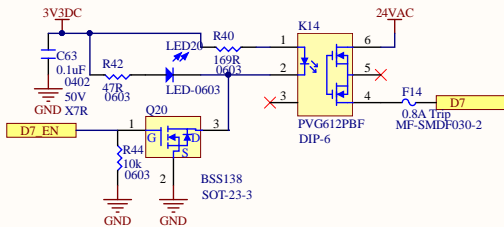
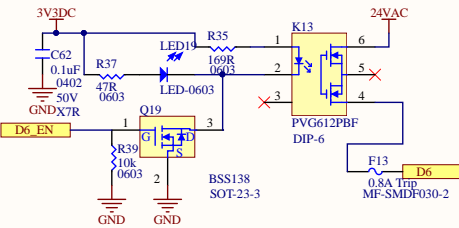
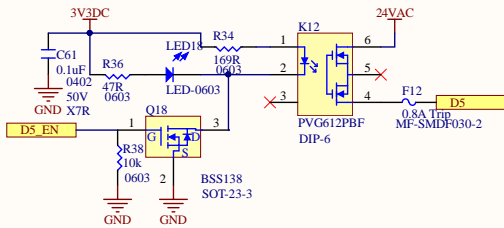
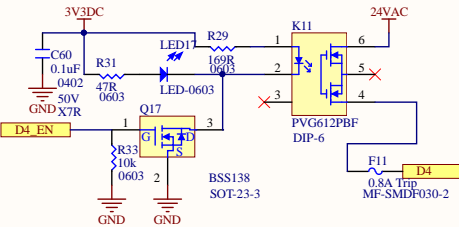
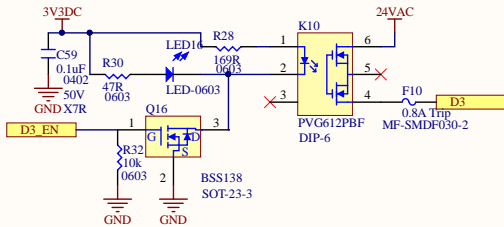
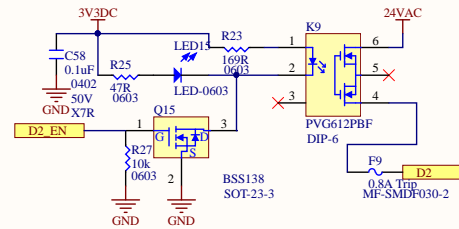
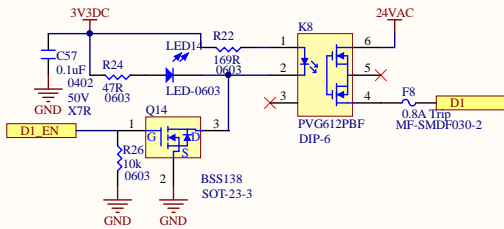


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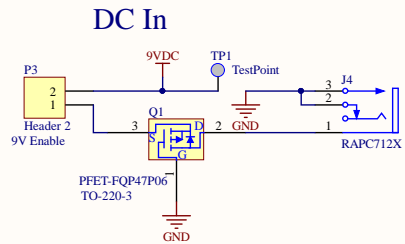


Title CCU - HVAC Relays			Gravitas Sponsored By: Alan Morgan Technical Advisor: Dr. Joseph Morgan		 GRAVITAS
Size: B	GRAVHAC	Revision: 1A			
Date: 9/2/2019	Drawn By: M. Seago	Sheet 7 of 9			
File: C:\Users\Public\Documents\Altium\Projects\GRAVITAS CCU HAS\CTL_RELAY SHEET1_CCU HAS.SchDoc					

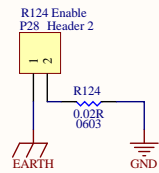
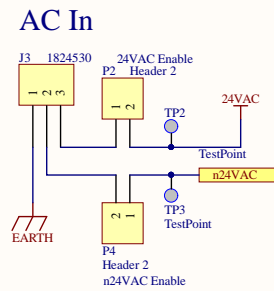
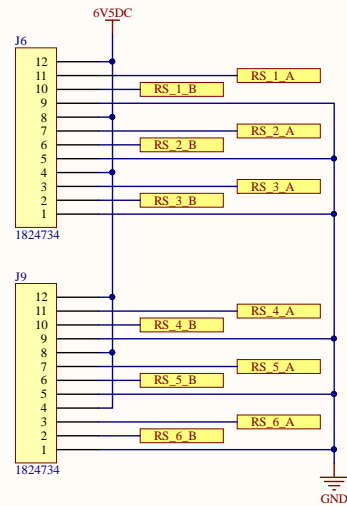


Title CCU - Damper Relays		Gravitas Sponsored By: Alan Morgan Technical Advisor: Dr. Joseph Morgan	
Size: B	GRAVHAC	Revision: 1A	
Date: 9/2/2019	Drawn By: M. Seago	Sheet 8 of 9	
File: C:\Users\Public\Documents\Alum\Projects\GRAVITAS CCU HAS\CTL_RELAY SHEET2_CCU_HAS_SchDoc			





Sensor Unit Headers



Switched AC Headers

