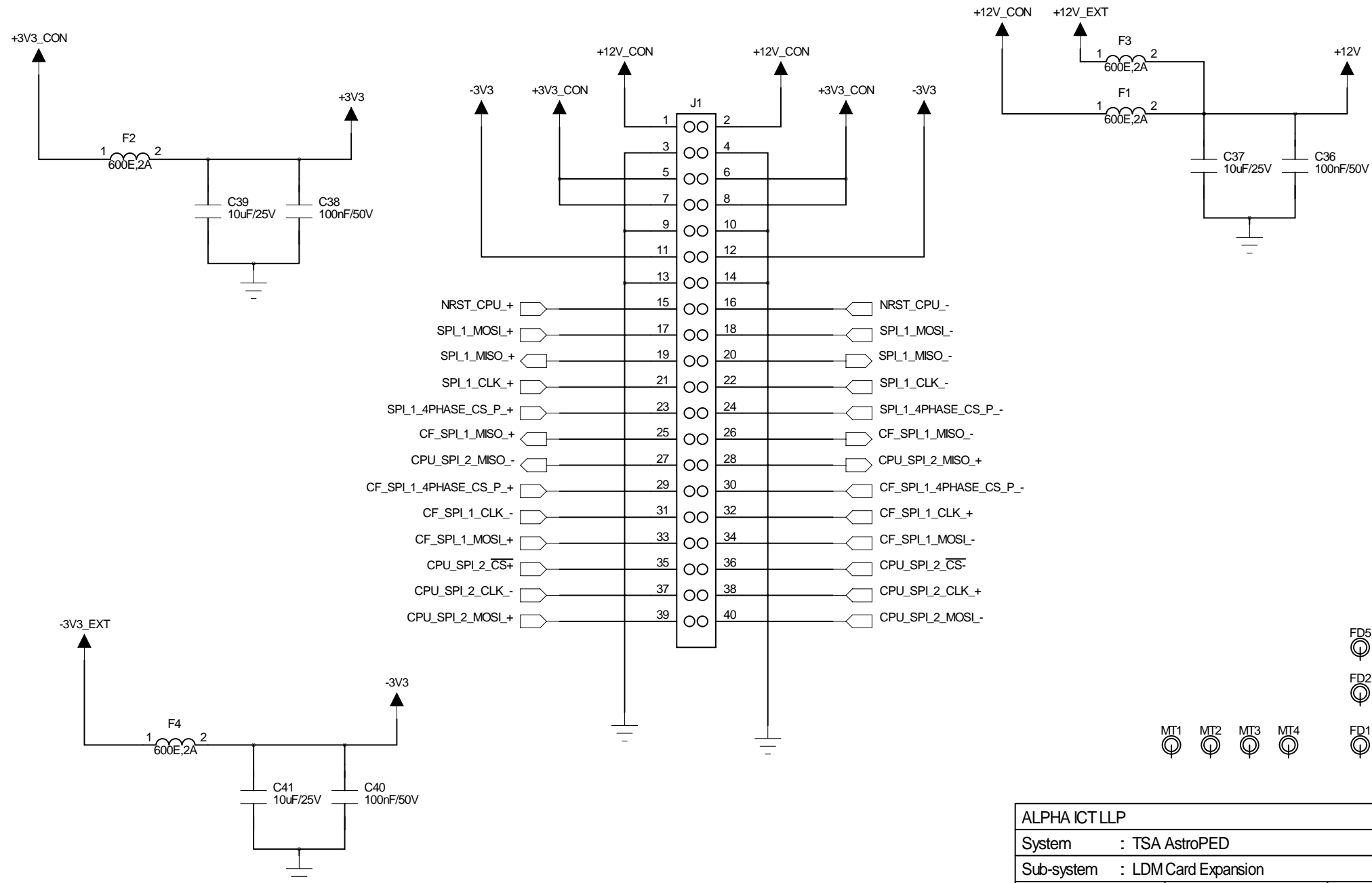
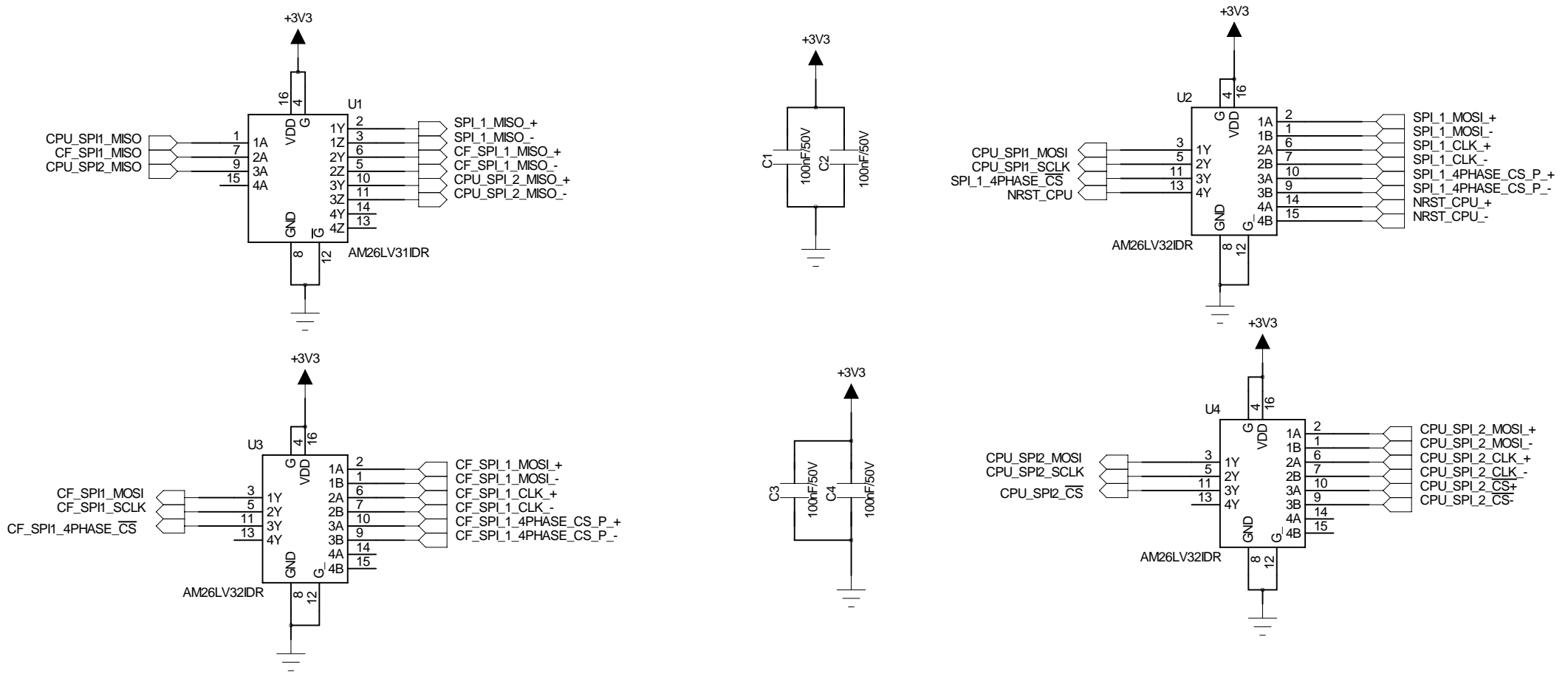


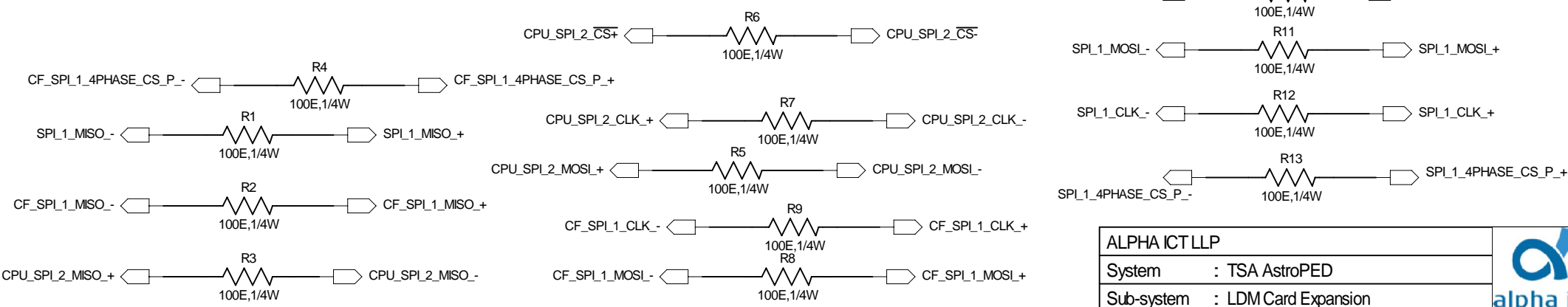
4 Phase LDM Expansion Connector



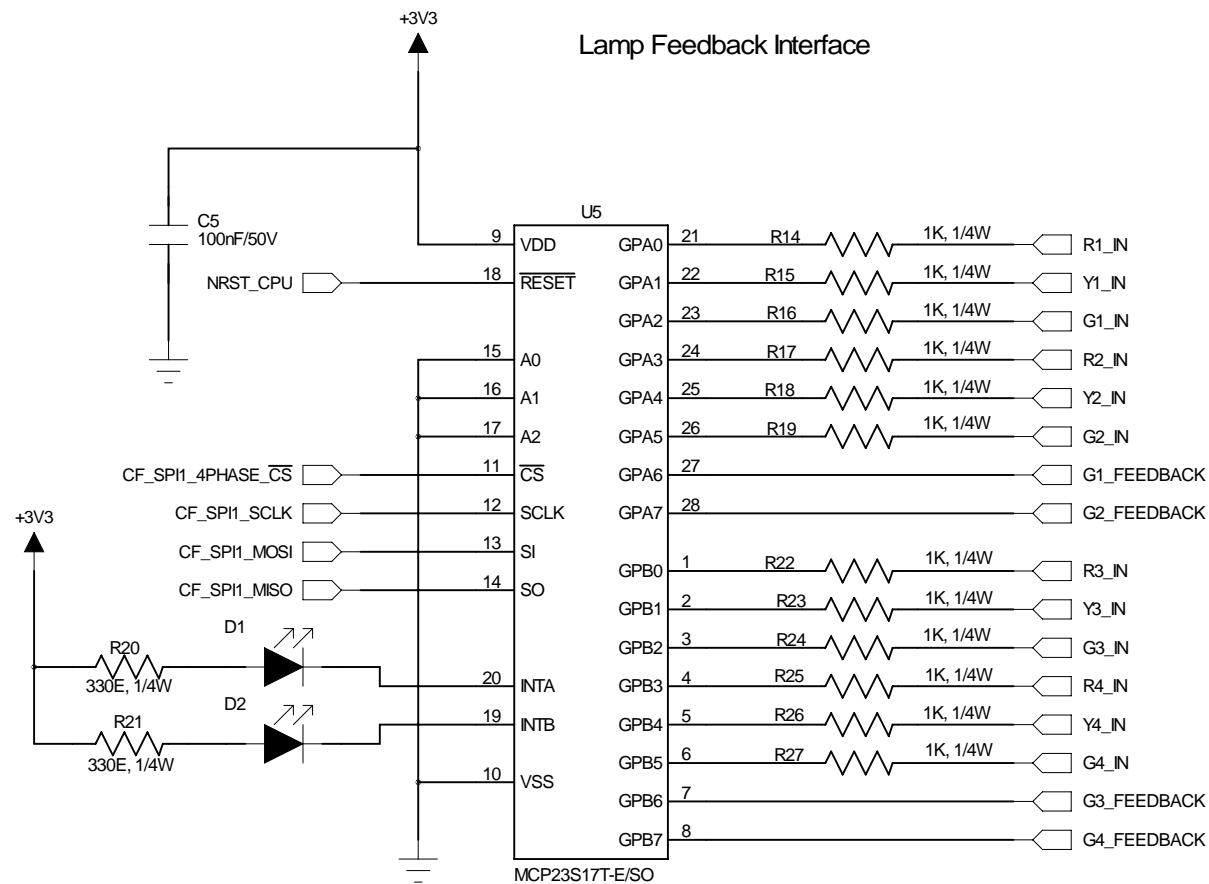
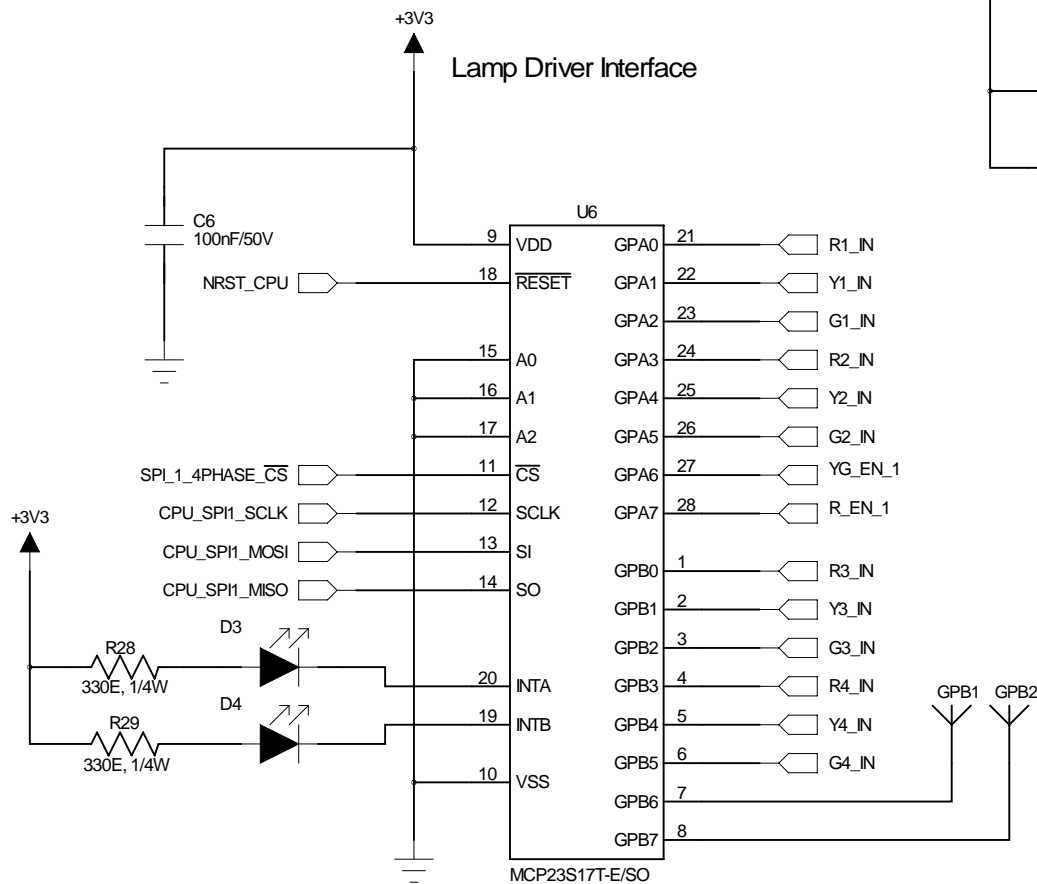
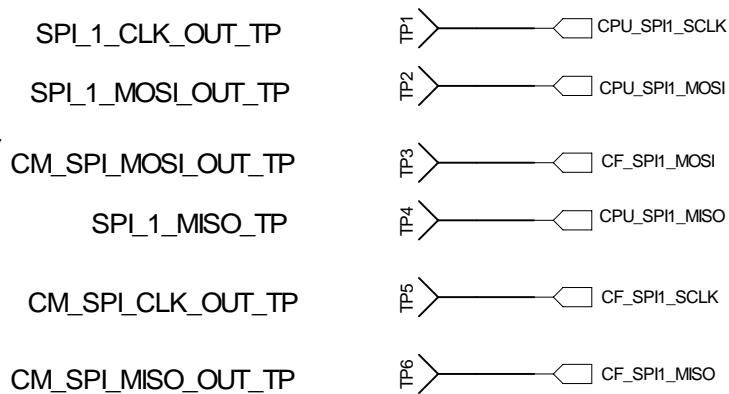
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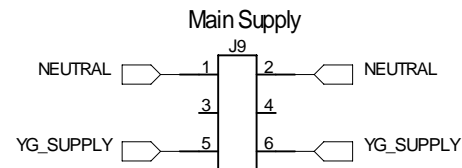
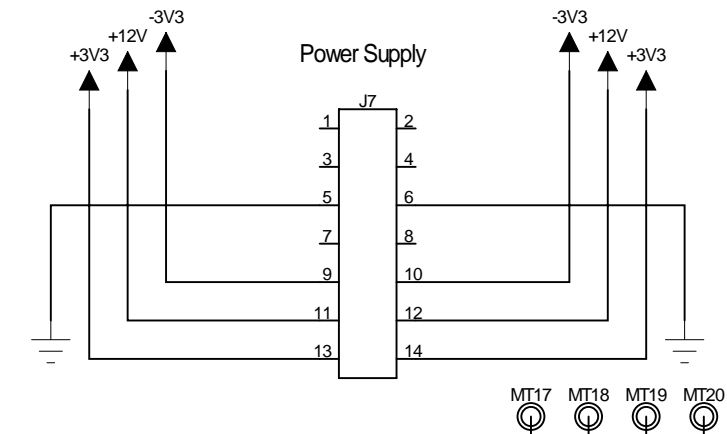
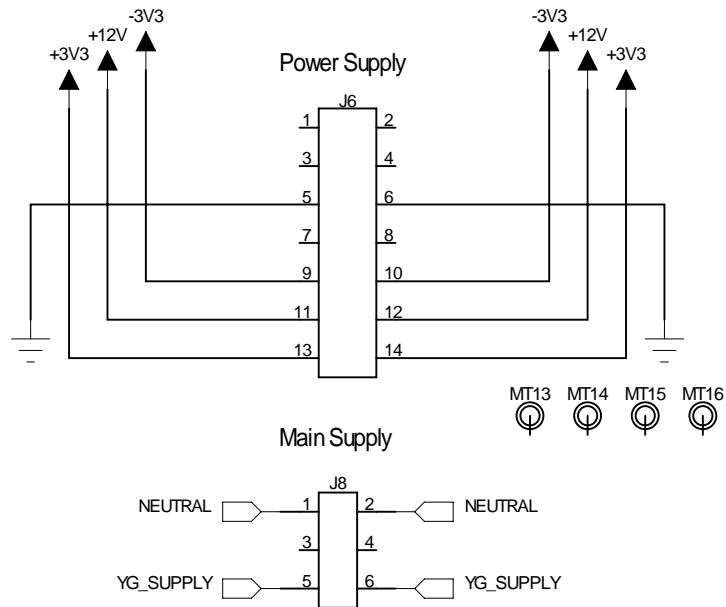
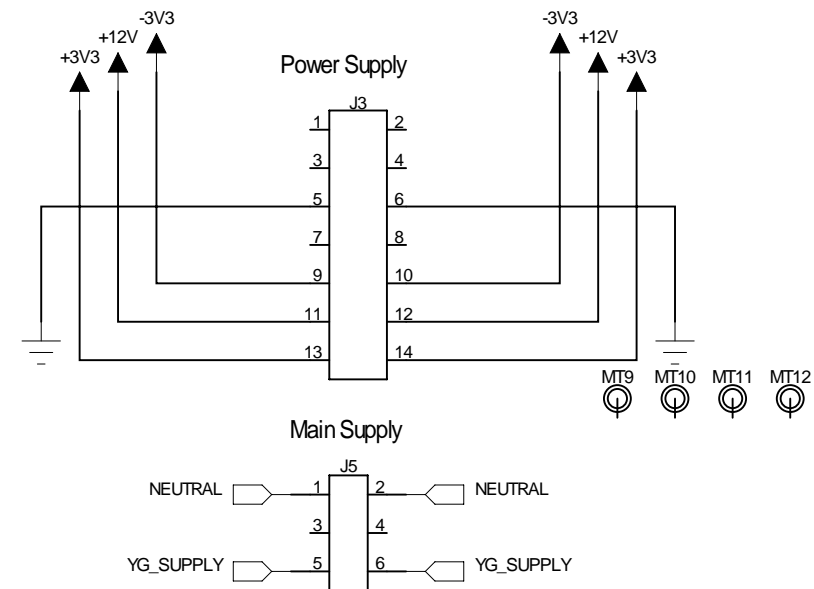
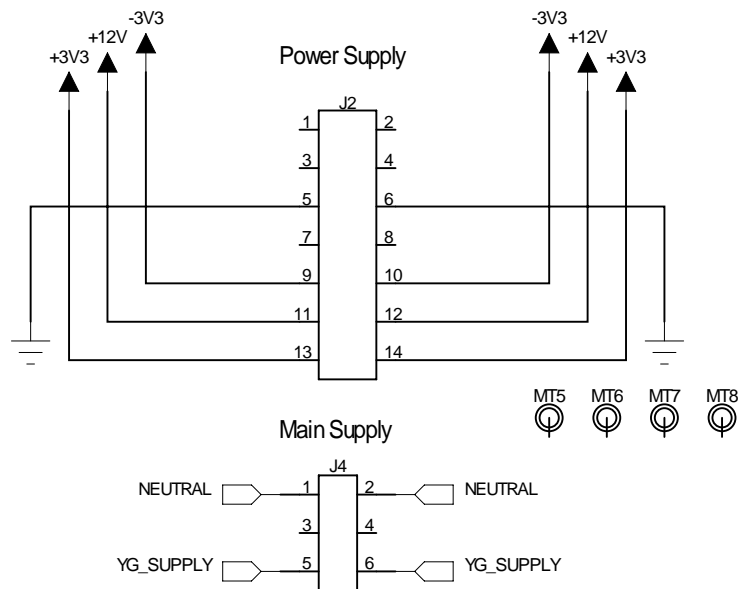
Termination Resistor




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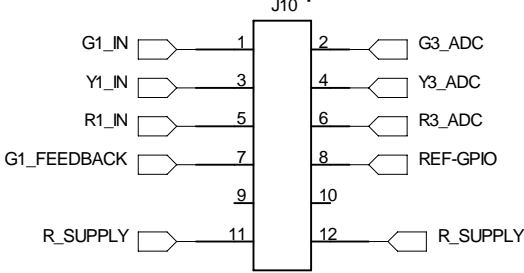
ALPHA ICT LLP			 alpha ict
System : TSA AstroPED			
Sub-system : LDM Card Expansion			
Version : 0.5	Date : 02.08.19	Sheet : 3 of 11	
Document Format No.:DSN-18		Document Format Version:V1.0	



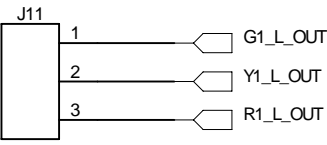
ALPHA ICT LLP			 alpha ict
System : TSA AstroPED			
Sub-system : LDM Card Expansion			
Version : 0.5	Date : 02.08.19	Sheet : 4 of 11	
Document Format No.:DSN-18		Document Format Version:V1.0	

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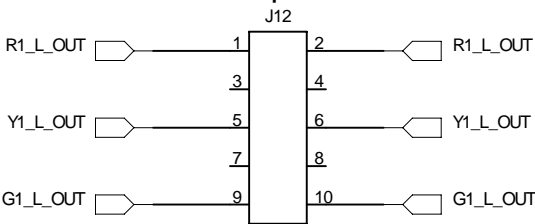
R1Y1G1 Input



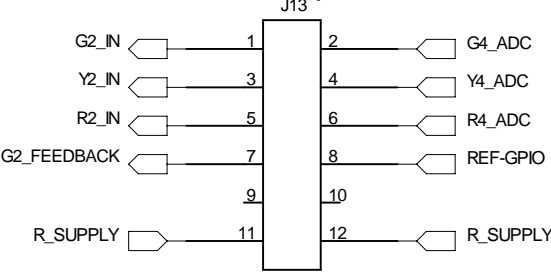
R1Y1G1 Output



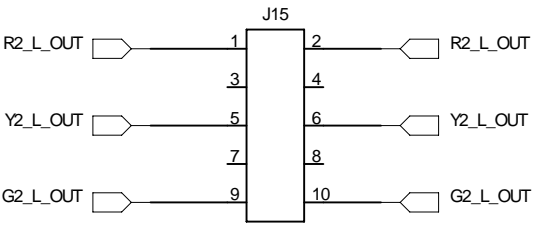
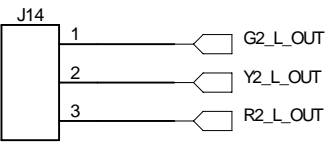
R-Y-G Output



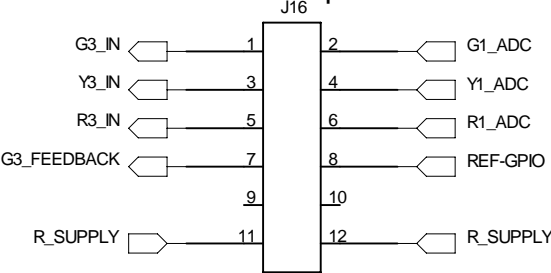
R2Y2G2 Input



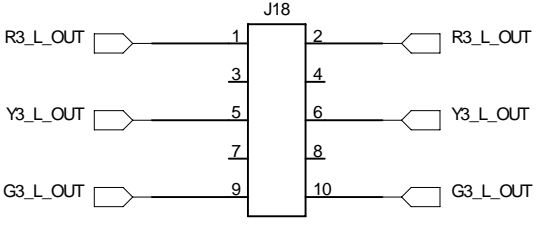
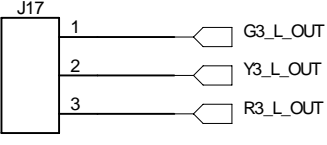
R2Y2G2 Output



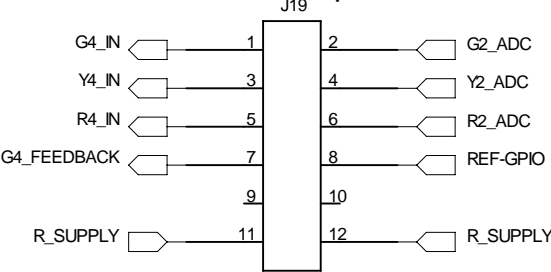
R3Y3G3 Input



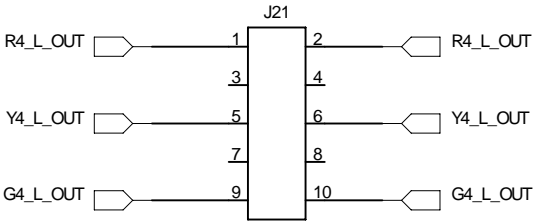
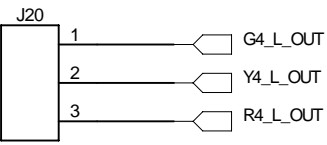
R3Y3G3 Output

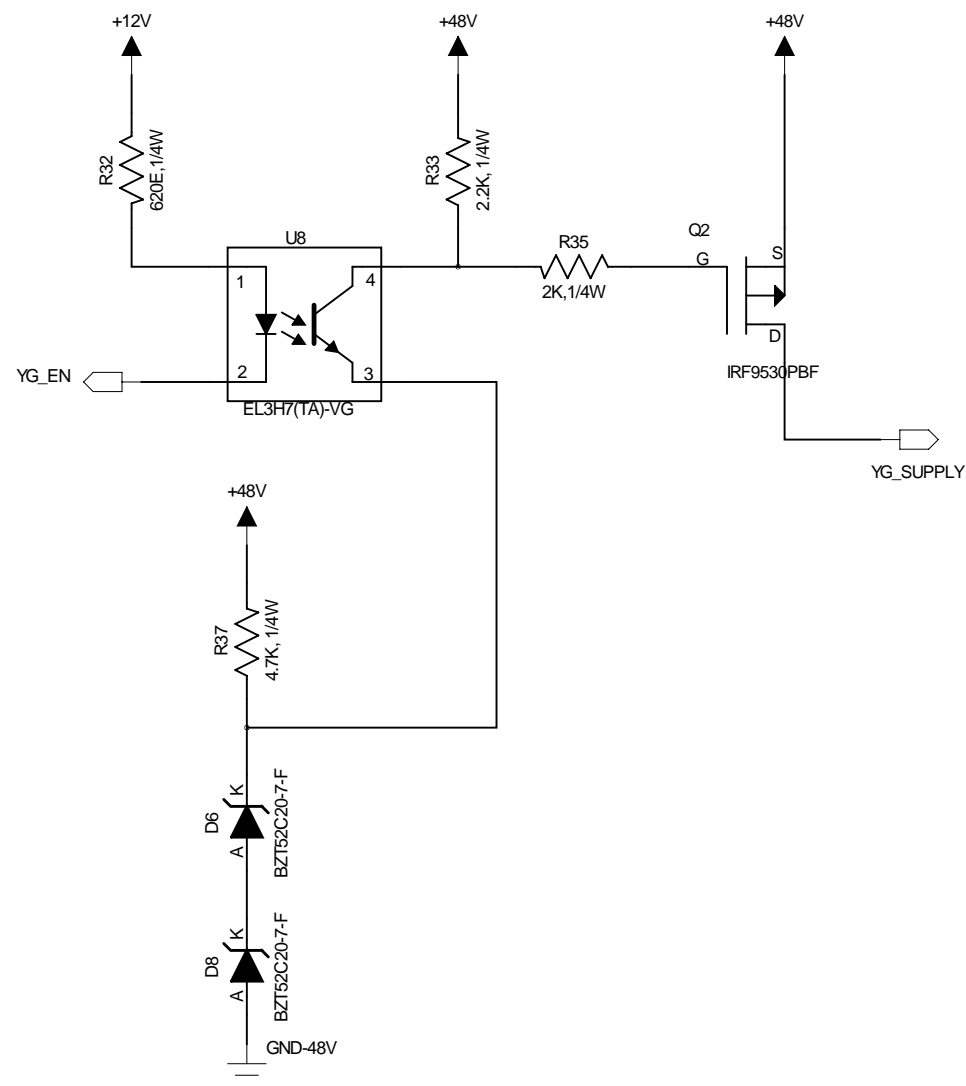


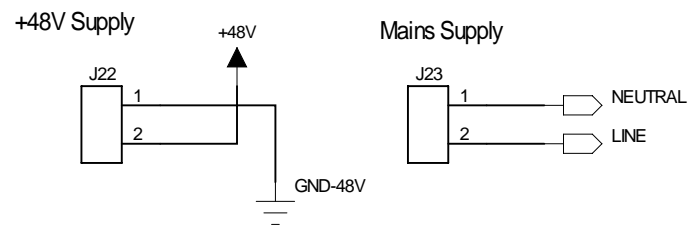
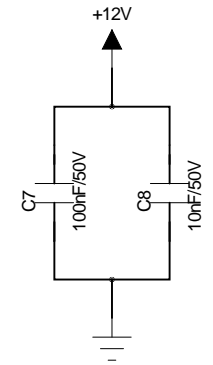
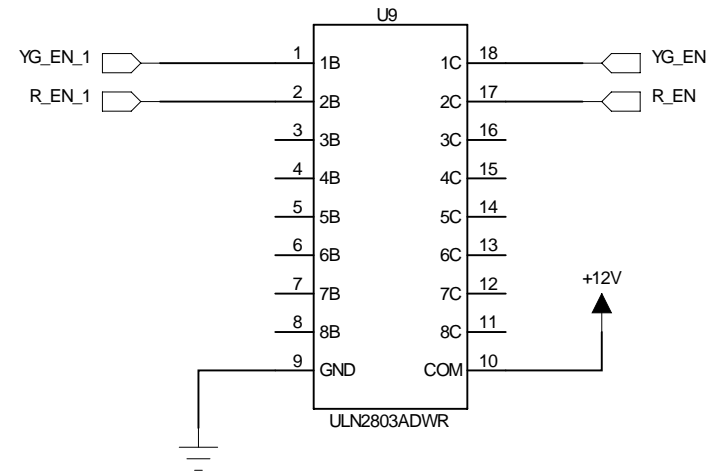
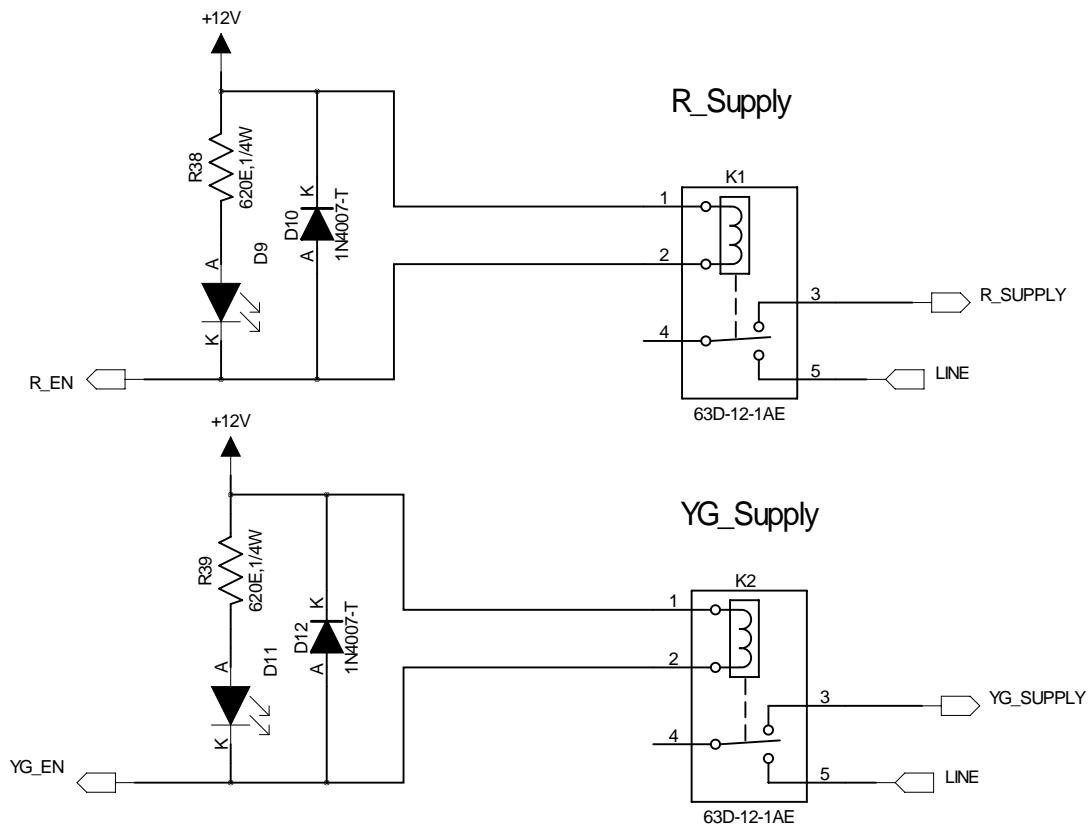
R4Y4G4 Input




R4Y4G4 Output



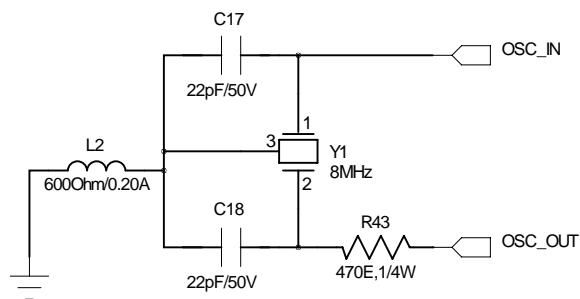




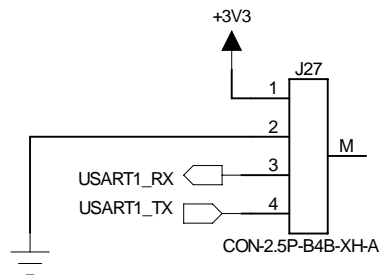
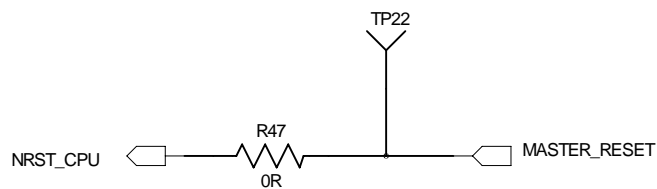
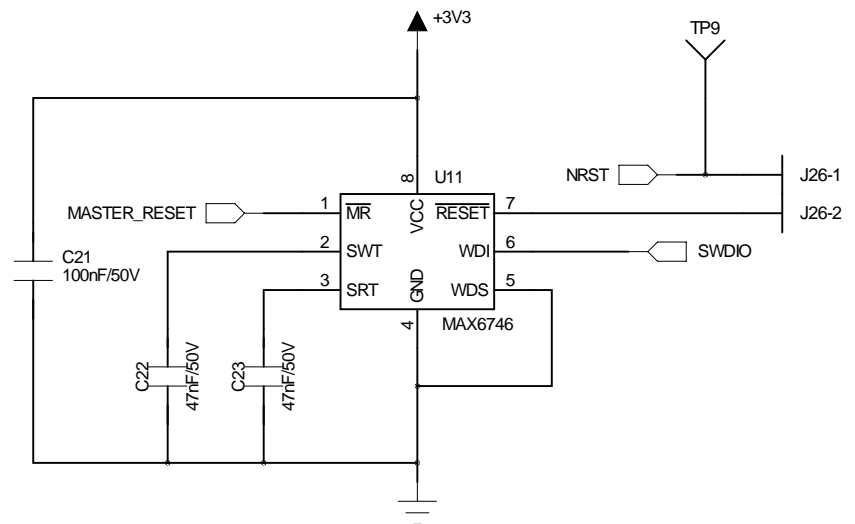
ALPHA ICT LLP			
System : TSA AstroPED			
Sub-system : LDM Card Expansion			
Version : 0.5	Date : 02.08.19	Sheet : 7 of 11	alpha ict
Document Format No.:DSN-18		Document Format Version:V1.0	



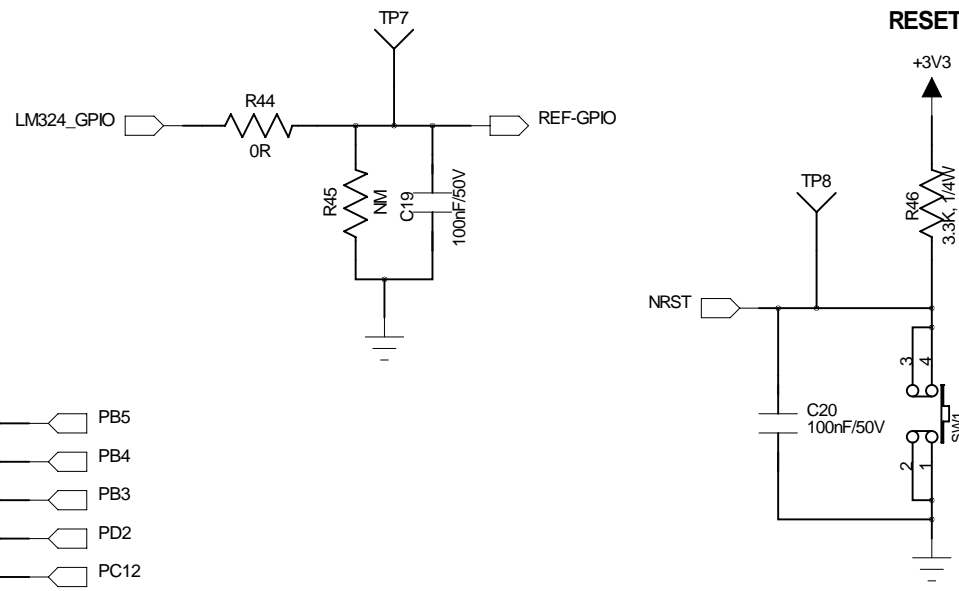
For 8 MHz Crystal



Reset Circuit

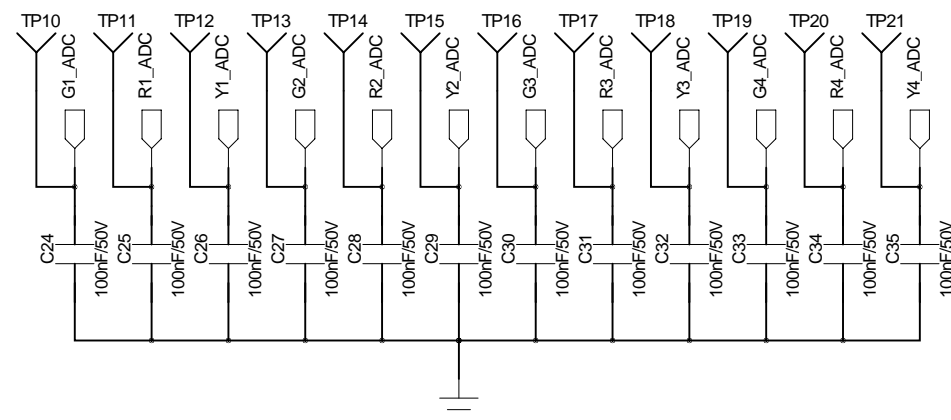



Debug USART



-
- Diagram illustrating the J25-50 pin connector connections:
- J25-1 connects to PB5
 - J25-2 connects to PB4
 - J25-3 connects to PB3
 - J25-4 connects to PD2
 - J25-5 connects to PC12

For ADC Input Decap



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System : TSA AstroPED			
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12V BUCK TYPE DC TO DC CONVERTER AND ASSOCIATED PARTS

