
	PROJECT NAME	IoT GATEWAY - EC25 BASED WITH WiFi
	PCB NAME	IoT GATEWAY - EC25 MODEM BOARD AND FC20 WiFi BOARD
	PCB NO	CMS 938 REV_0

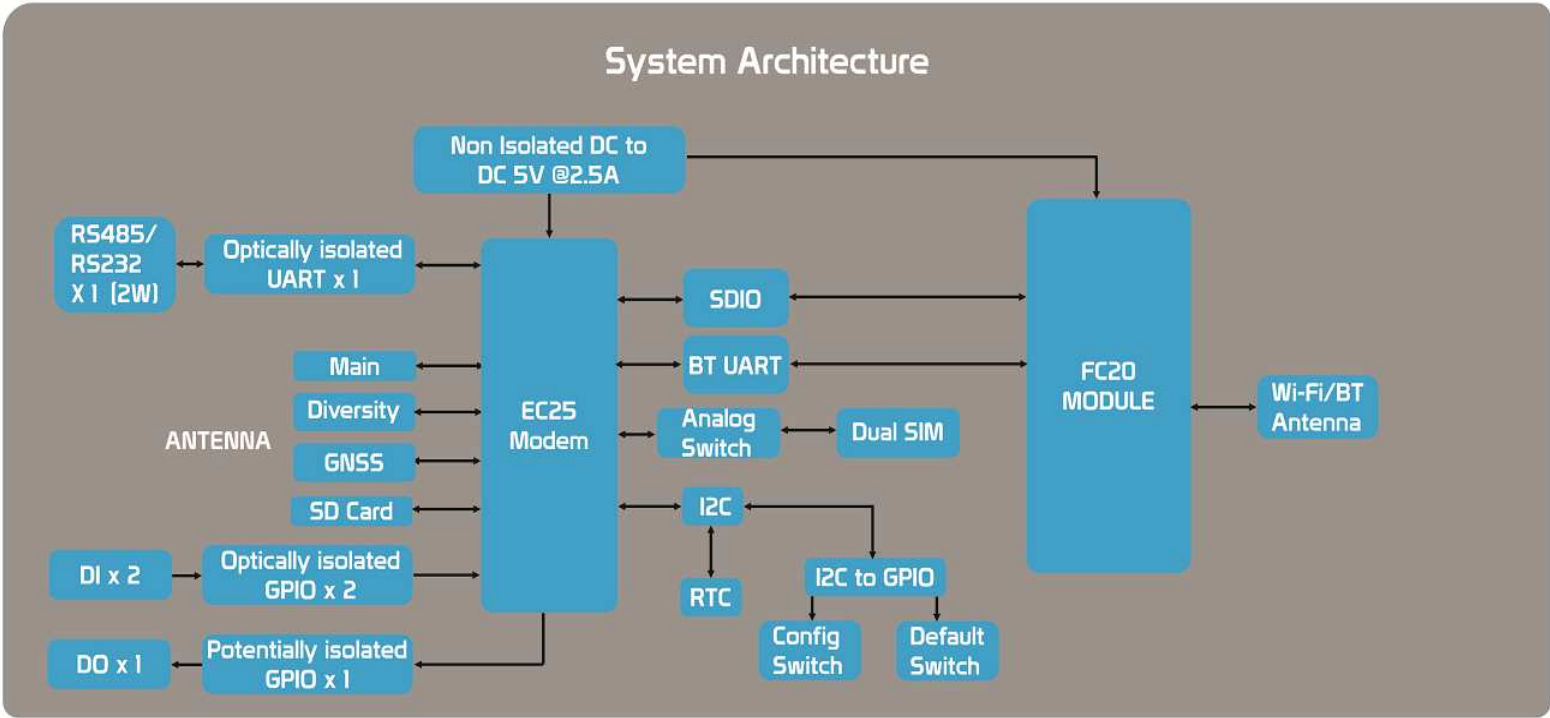
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REVISION HISTORY

SL.NO	Rev No	Date	Designed By	Description of Revision Changes
1	Rev 0	06-09-2024	GIRIDHAR G	Initial Version

	Name	CREATIVE MICRO SYSTEMS No 300B 4th Phase 5th Main Peenya Industrial Area, Bangalore-58			Format No: DC/DE/81/01	
					Issue No : 00	
					Rev No : 01	
					Date : 01-07-2007	
Designed By		Title: TABLE OF CONTENT				
Verified By		Doc No: 331 701		PCB No: CMS 938		Rev No: 0
Approved By		Size: A4	Date: Monday, September 09, 2024			Sheet 1 of 10

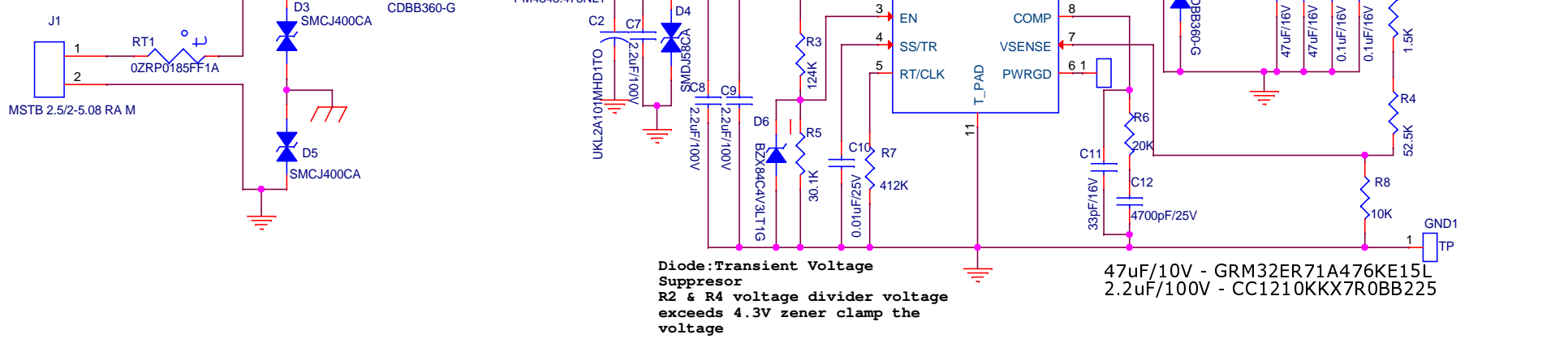


	Name	CREATIVE MICRO SYSTEMS No 300B 4th Phase 5th Main Peenya Industrial Area, Bangalore-58		Format No: DC/DE/81/01
				Issue No : 00
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Designed By		Title: BLOCK DIAGRAM		
Verified By		Doc No: 331 701	PCB No: CMS 938	Rev No: 0
Approved By		Size: A4	Date: Monday, September 09, 2024	Sheet 2 of 10

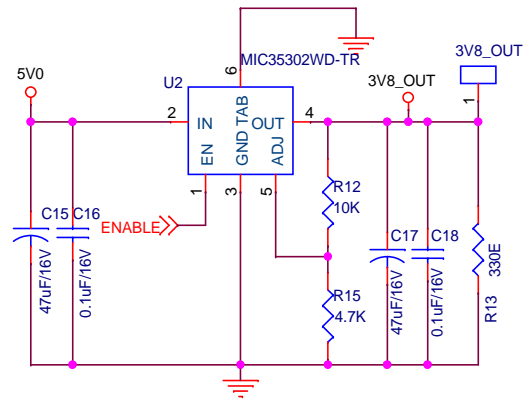
NON ISOLATED DC-DC CONVERTOR (VOUT: 5V @2.5A MAX)

INPUT RANGE : 9-60VDC

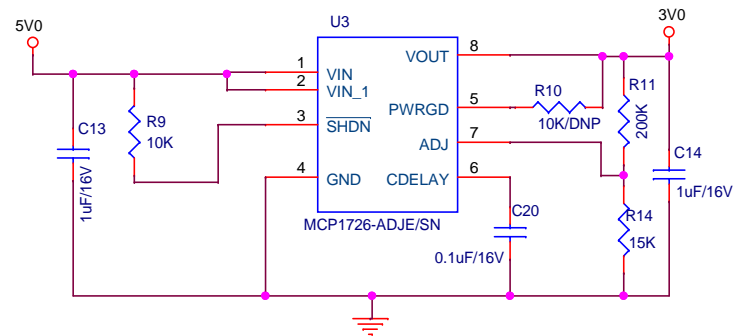
Fuse: Prevent Circuit From Over Current
DC Voltage : 125VDC
Current rating : 5A




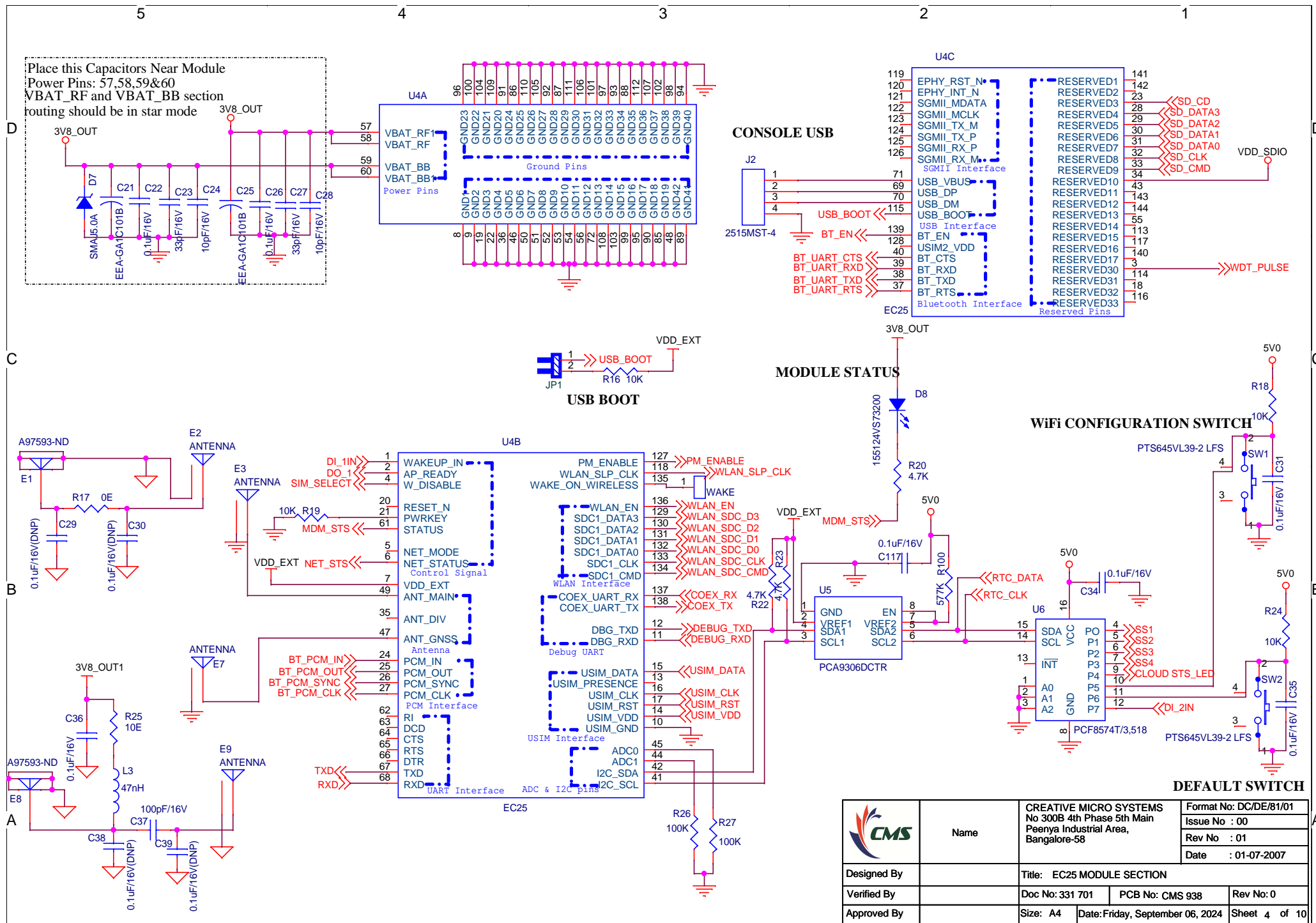
3.8V REGULATOR FOR EC25 MODULE



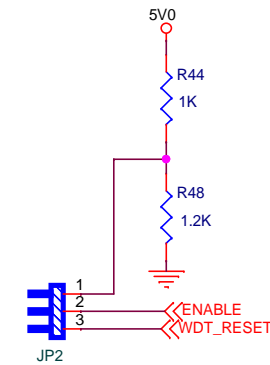
3 V REGULATOR FOR MICRO SD CARD



	Name	CREATIVE MICRO SYSTEMS No 300B 4th Phase 5th Main Peenya Industrial Area, Bangalore-58		Format No: DC/DE/81/01		
				Issue No : 00		
				Rev No : 01		
				Date : 01-07-2007		
Designed By		Title: POWER SUPPLY SECTION				
Verified By		Doc No: 331 701		PCB No: CMS 938		Rev No: 0
Approved By		Size: A4		Date: Friday, September 06, 2024		Sheet 3 of 10

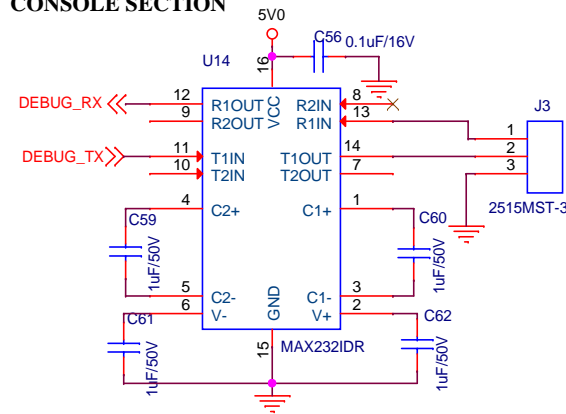


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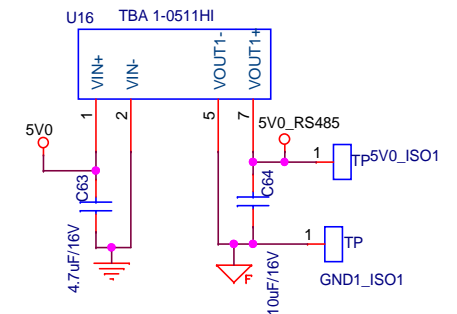
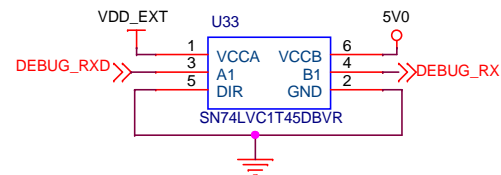


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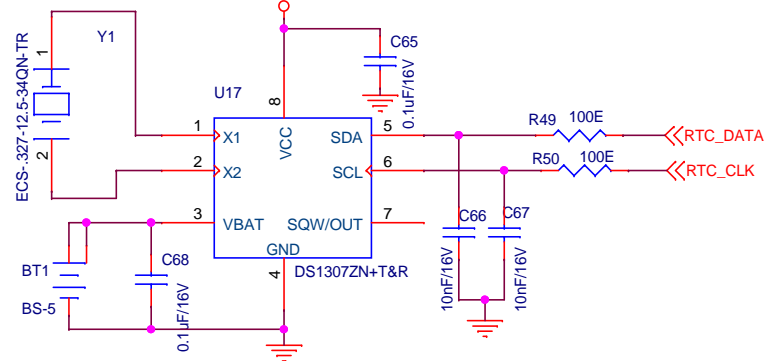
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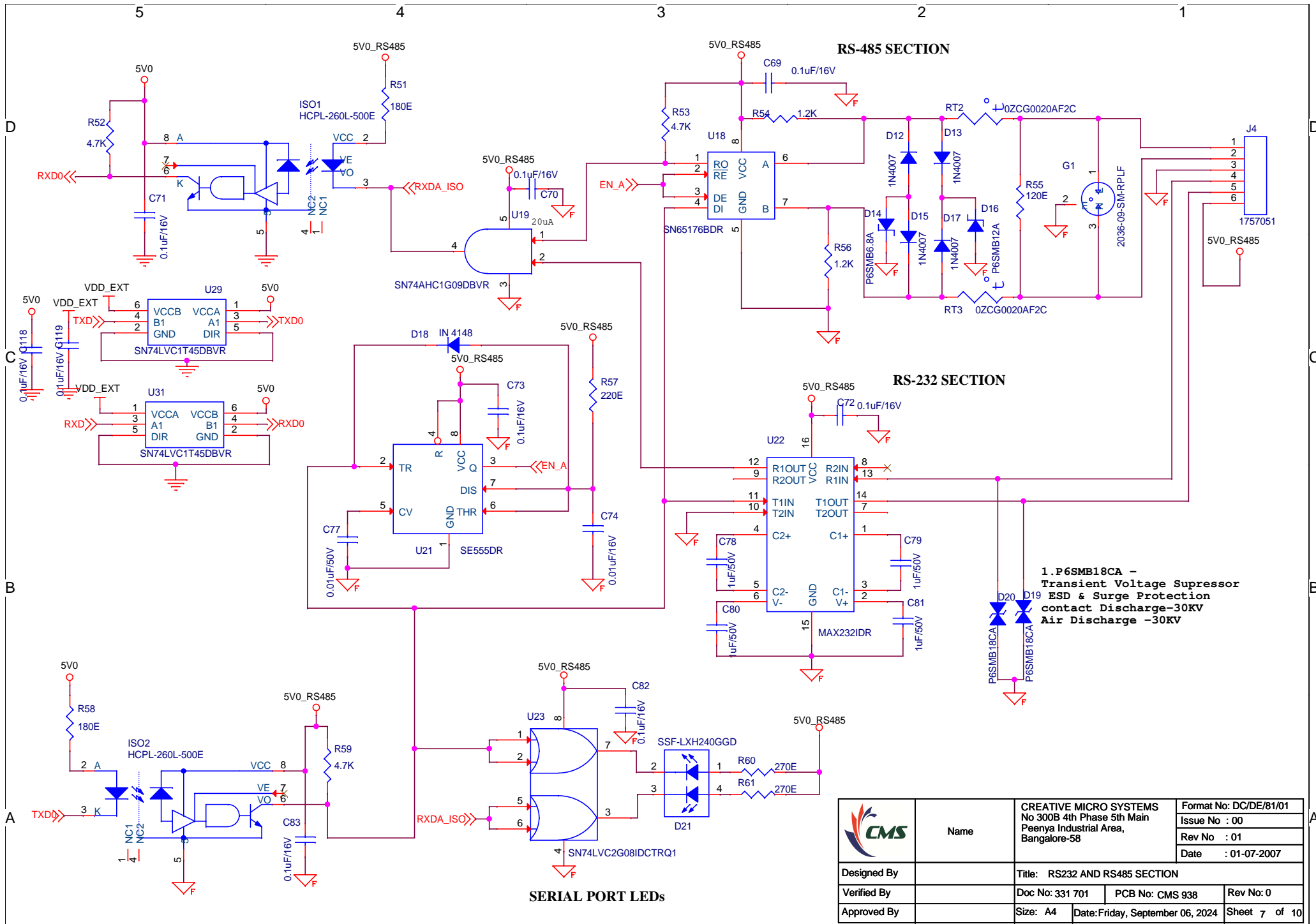
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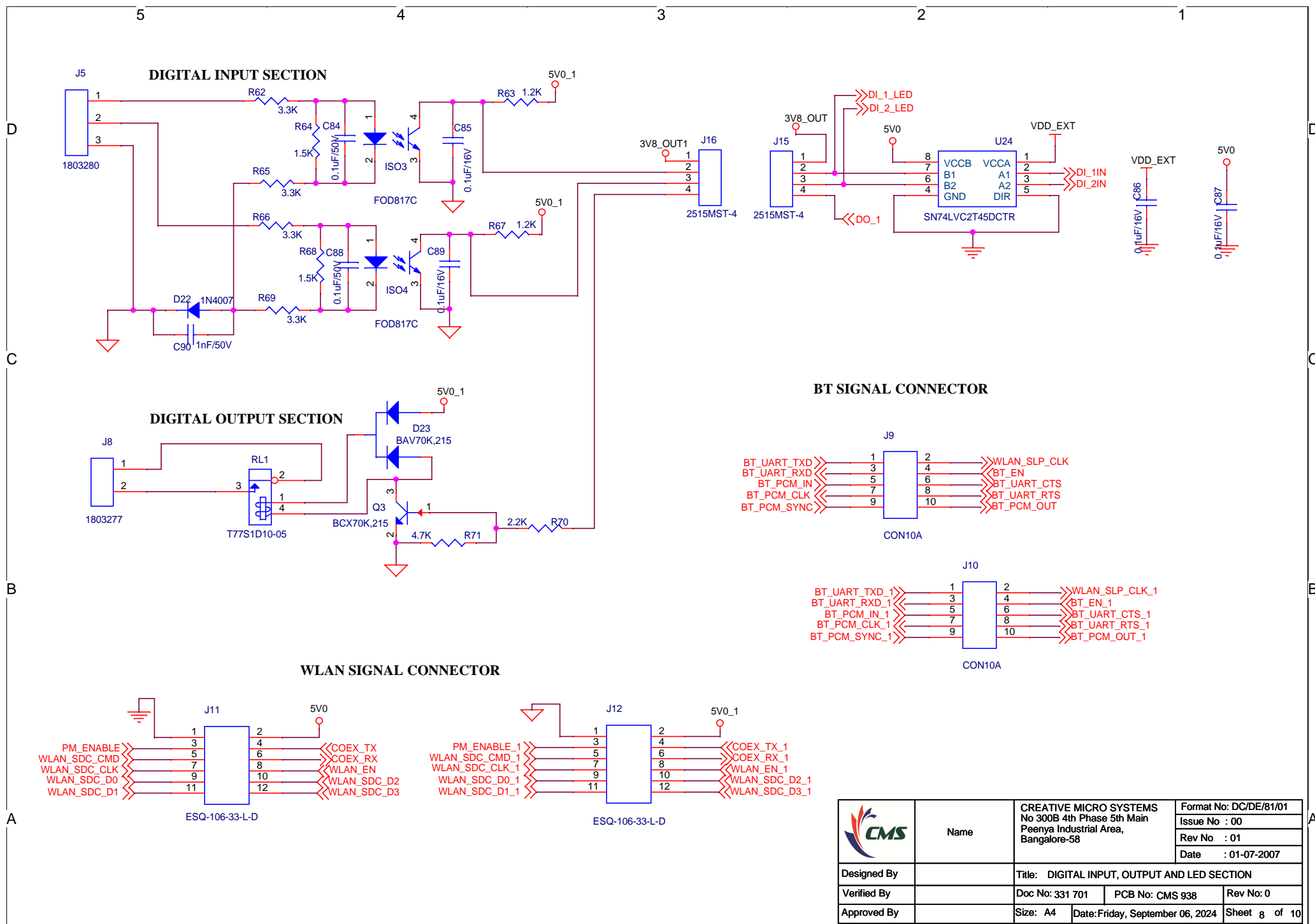



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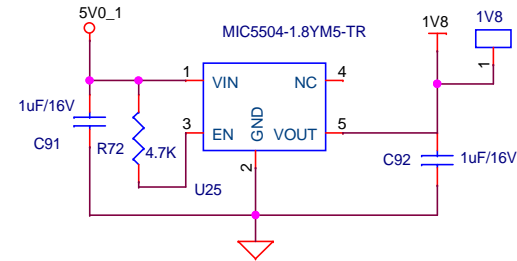
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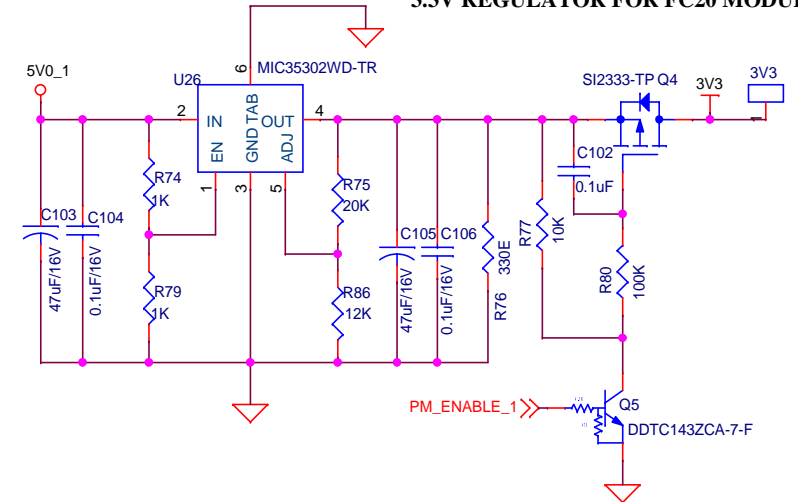


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				Date : 01-07-2007
Designed By		Title: DIGITAL INPUT, OUTPUT AND LED SECTION		
Verified By		Doc No: 331 701	PCB No: CMS 938	Rev No: 0
Approved By		Size: A4	Date: Friday, September 06, 2024	Sheet 8 of 10

1.8V REGULATOR FOR FC20 MODULE

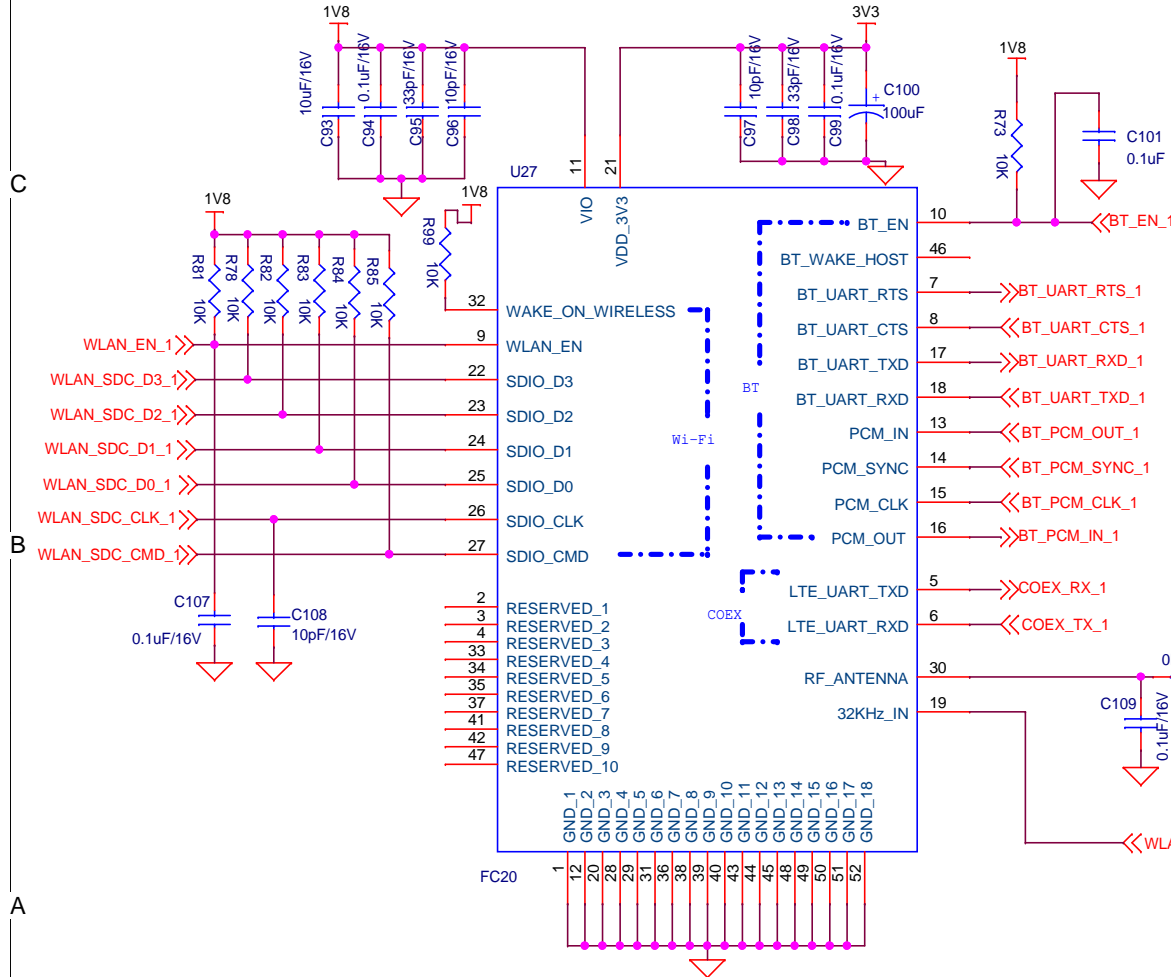



3.3V REGULATOR FOR FC20 MODULE

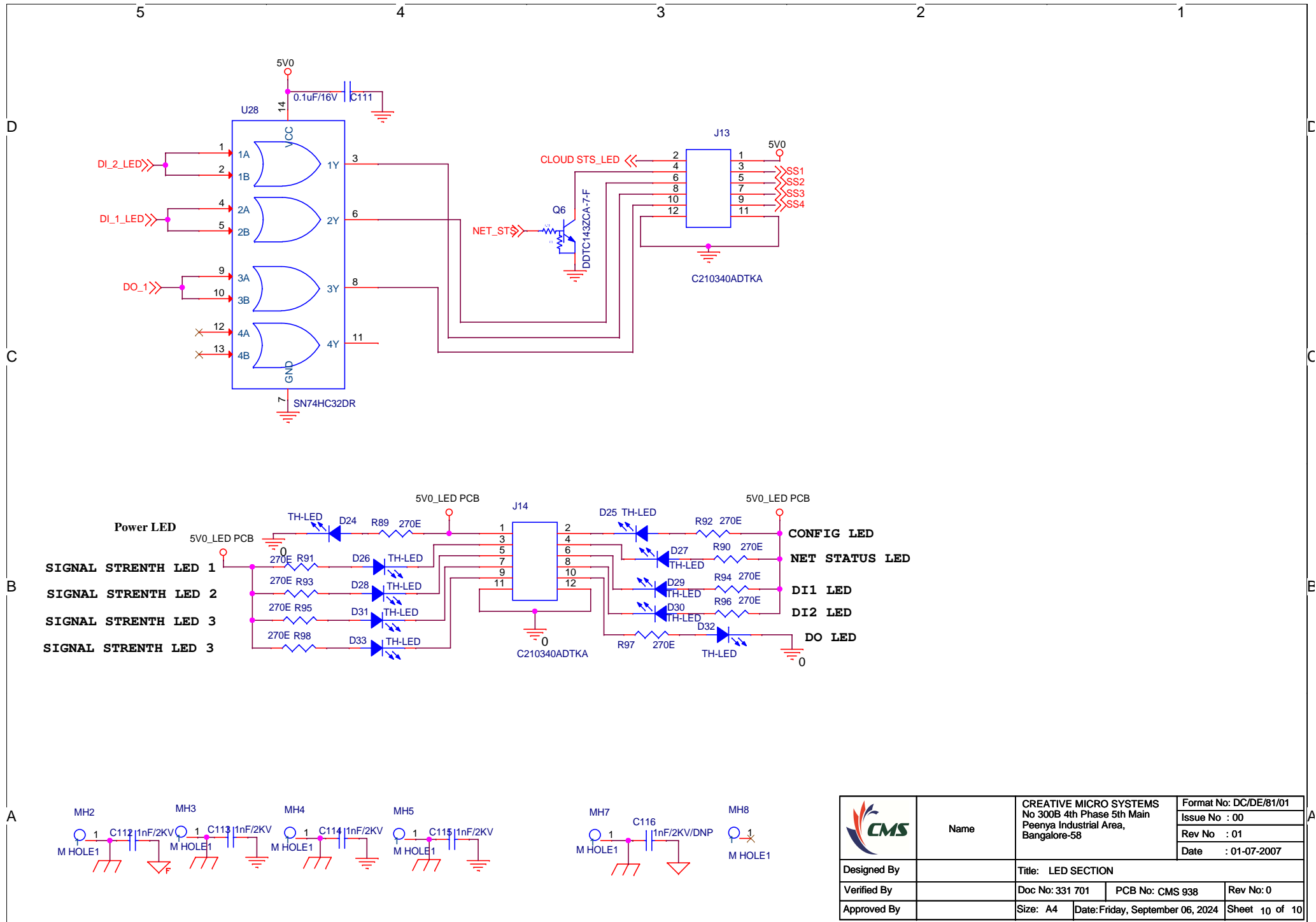



FC20 MODULE

Place these Capacitors close to the power pins of the FC20 module



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Designed By		Title: DIGITAL INPUT, OUTPUT AND LED SECTION		
Verified By		Doc No: 331 701	PCB No: CMS 938	Rev No: 0
Approved By		Size: A4	Date: Thursday, September 05, 2024	Sheet 9 of 10



	Name	CREATIVE MICRO SYSTEMS No 300B 4th Phase 5th Main Peenya Industrial Area, Bangalore-58			Format No: DC/DE/81/01
					Issue No : 00
					Rev No : 01
					Date : 01-07-2007
Designed By		Title: LED SECTION			
Verified By		Doc No: 331 701	PCB No: CMS 938	Rev No: 0	
Approved By		Size: A4	Date: Friday, September 06, 2024	Sheet 10 of 10	