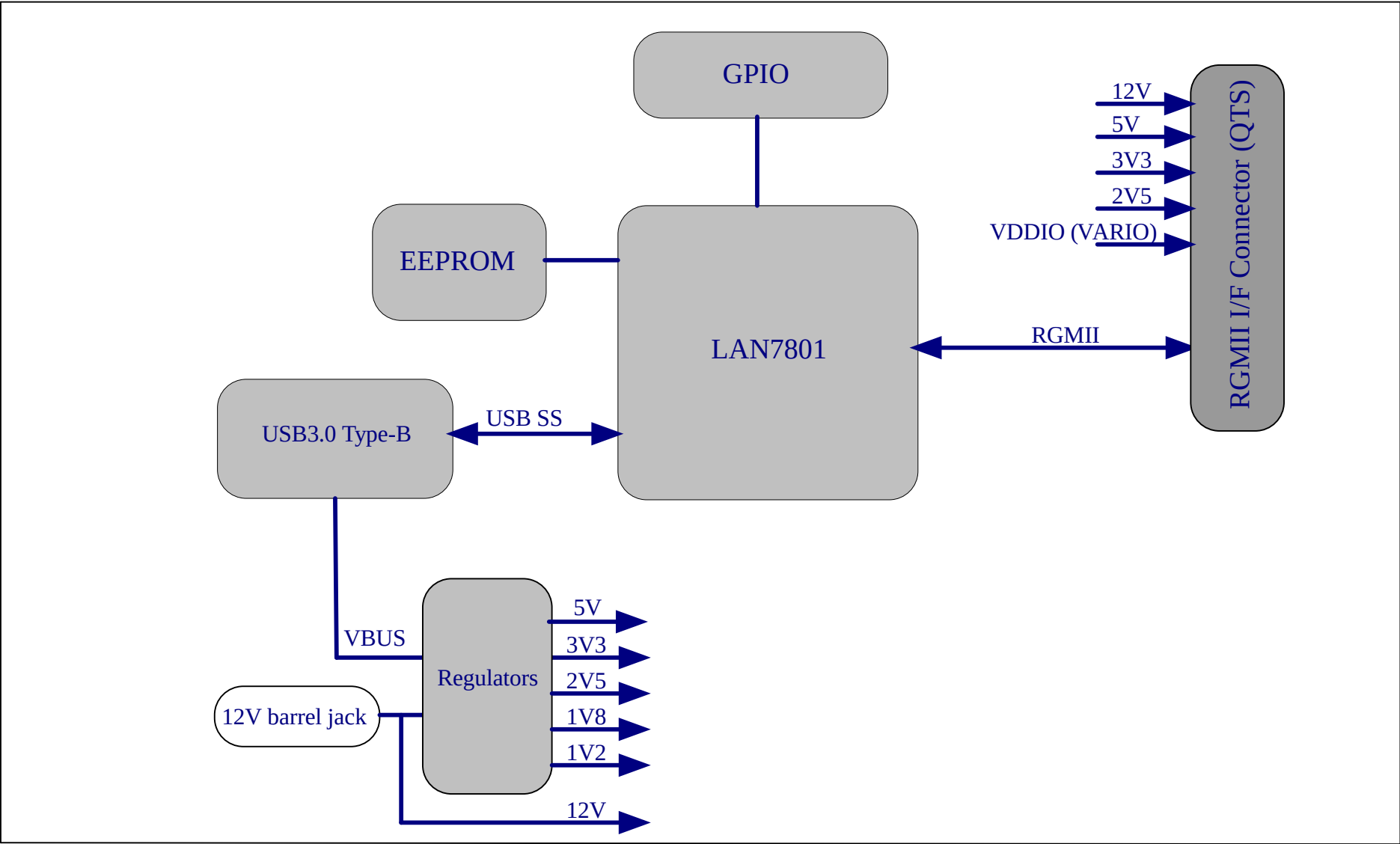


EVB-LAN7801-EDS

Table of Contents	
Sheet	Description
1	Title Page & Block Diagram
2	LAN7801 Functional
3	LAN7801 Power
4	RGMII I/F Connector
5	Power & Regulators

Revision History			
Revision	Date	Revision Summary	Author
1	03-18-2020	Initial Schematic	Rahul Kommineni



Project Owner:
Matt R./Rahul K.

PCB Layout Contact:
Carl Johnson

**MICROCHIP**

PartNumber:
EV88E76A

Project Title
LAN7801 to Samtec RGMII Interface EVB

Variant: [No Variations]

Sheet Title
Title Page & Block Diagram

Size B

SCH #: 03-00189

Rev: 1

Date: 2/10/2021

PCB #: 04-11304

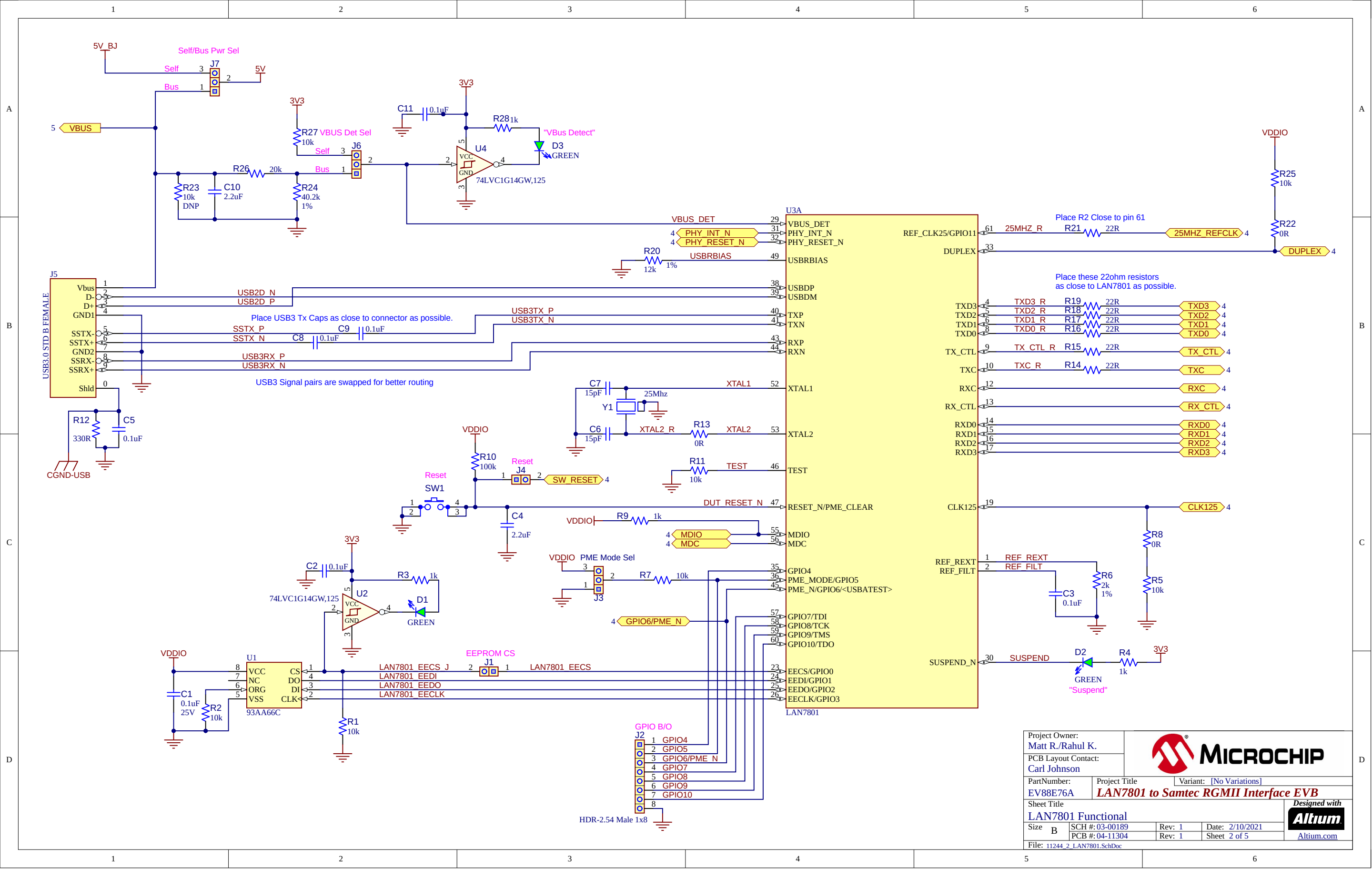
Rev: 1

Sheet 1 of 5

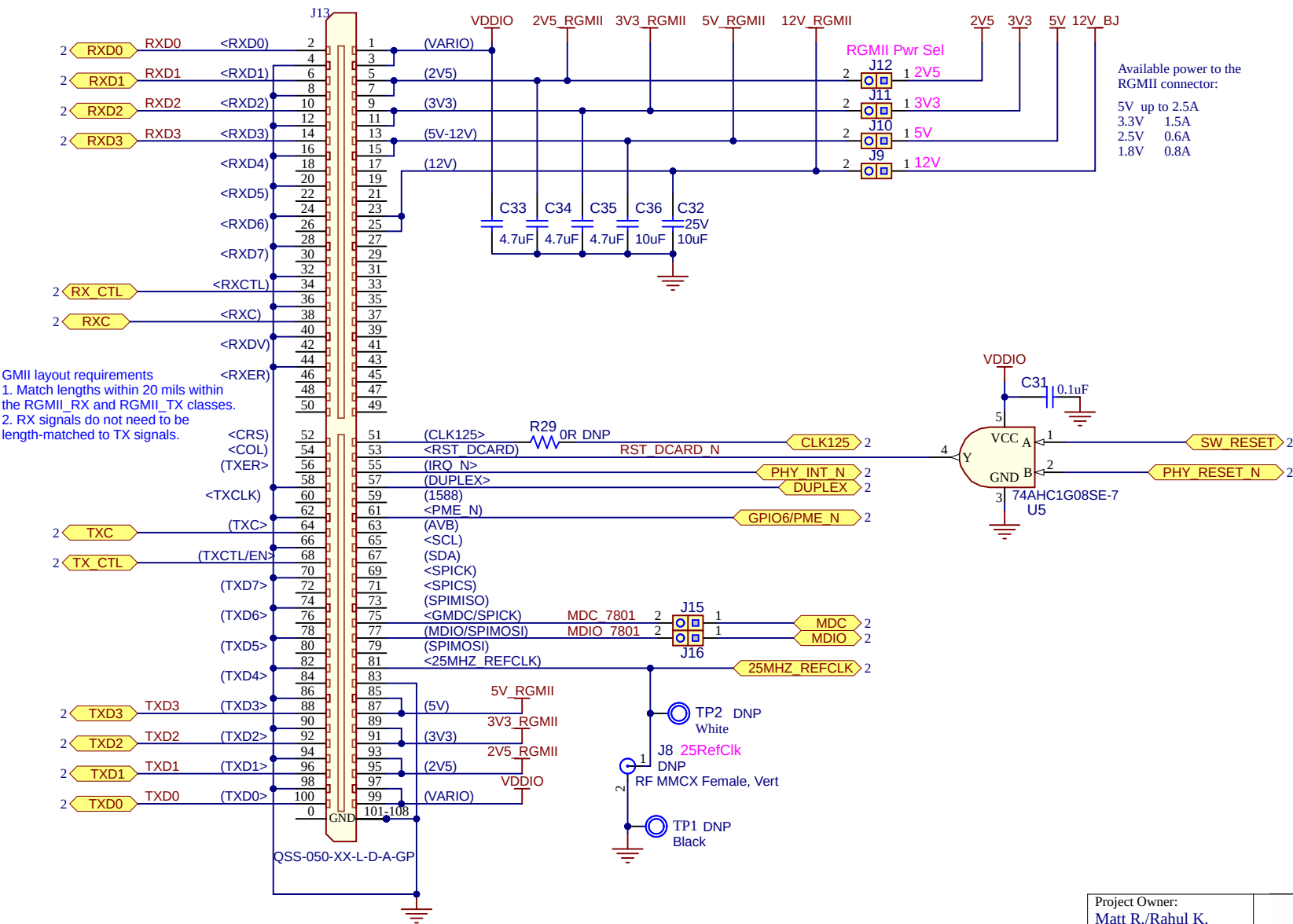
Designed with
Altium

Altium.com

File: 11244_1_Title.SchDoc



RGMII Connector I/F



Project Owner: Matt R./Rahul K.			
PCB Layout Contact: Carl Johnson			
PartNumber: EV88E76A	Project Title LAN7801 to Samtec RGMII Interface EVB		
Sheet Title RGMII I/F Connector			
Size B	SCH #: 03-00189	Rev: 1	Date: 2/10/2021
	PCB #: 04-11304	Rev: 1	Sheet 4 of 5
File: 11244_4_Samtec_Interface.SchDoc			

Designed with



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A

B

C

D

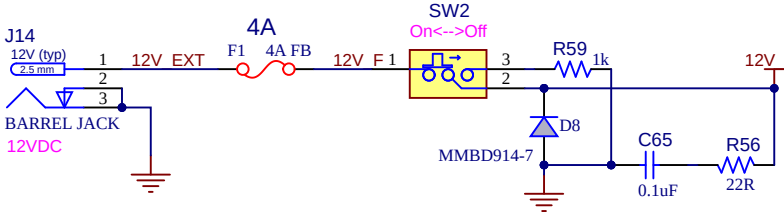
A

B

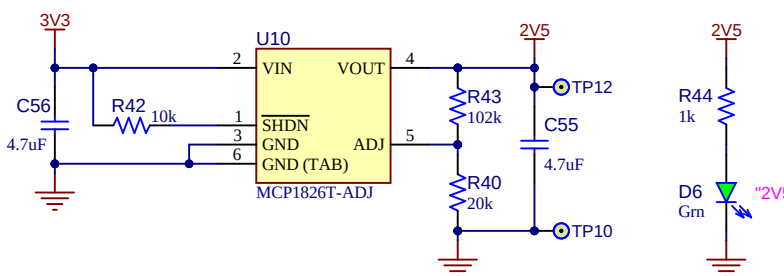
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D

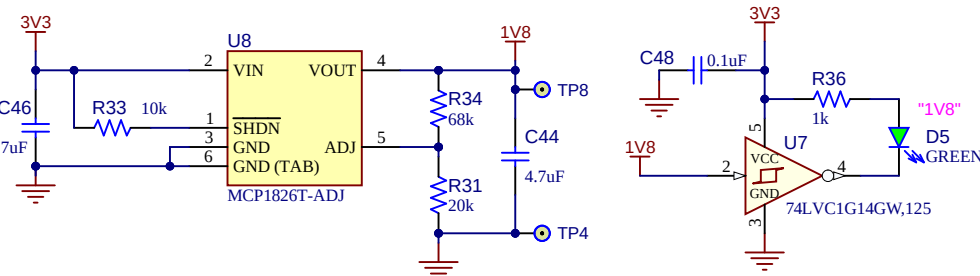
12V / 2A - 4A
On-board current < 0.1A



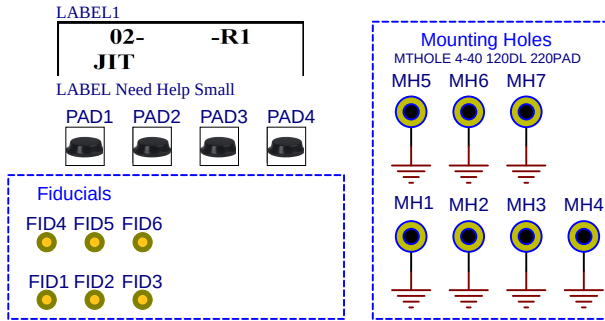
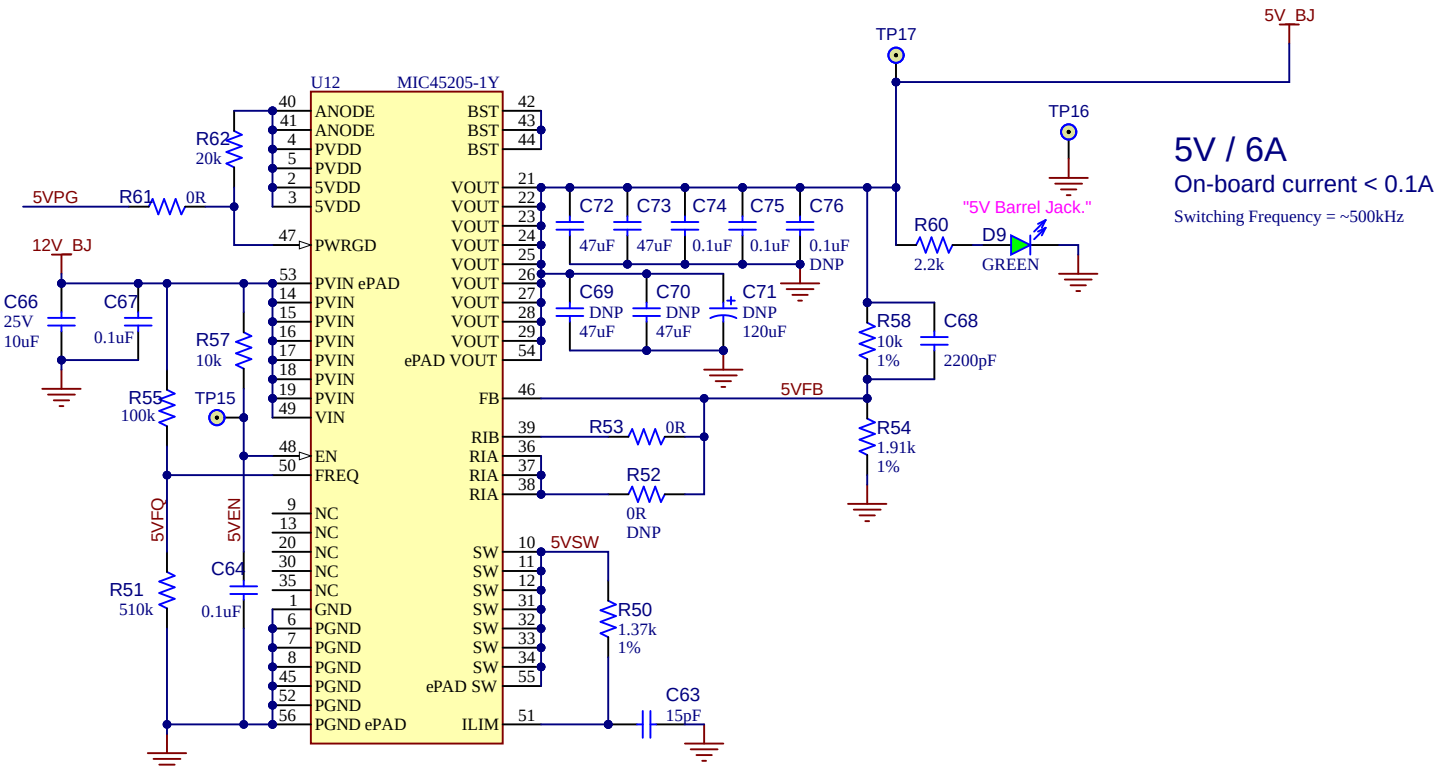
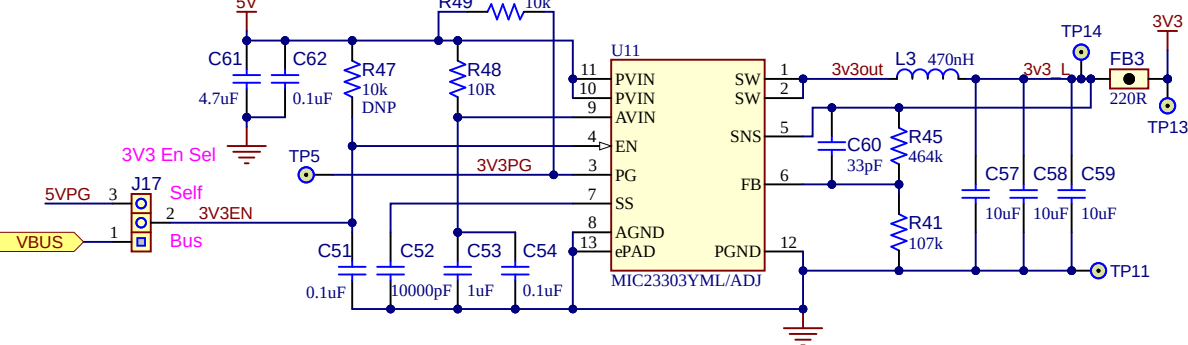
2.5V / 1A
On-board current < 0.1A



1.8V / 1A
On-board current < 0.1A



3V3 / 3A
On-board current < 0.2A



Project Owner: Matt R./Rahul K.			
PCB Layout Contact: Carl Johnson			
PartNumber: EV88E76A	Project Title LAN7801 to Samtec RGMII Interface EVB	Variant: [No Variations]	
Sheet Title Power & Regulators		Designed with 	
Size B	SCH #: 03-00189 PCB #: 04-11304	Rev: 1	Date: 2/10/2021
File: 11244_5_Pwr_Regulators.SchDoc		Rev: 1	Sheet 5 of 5