

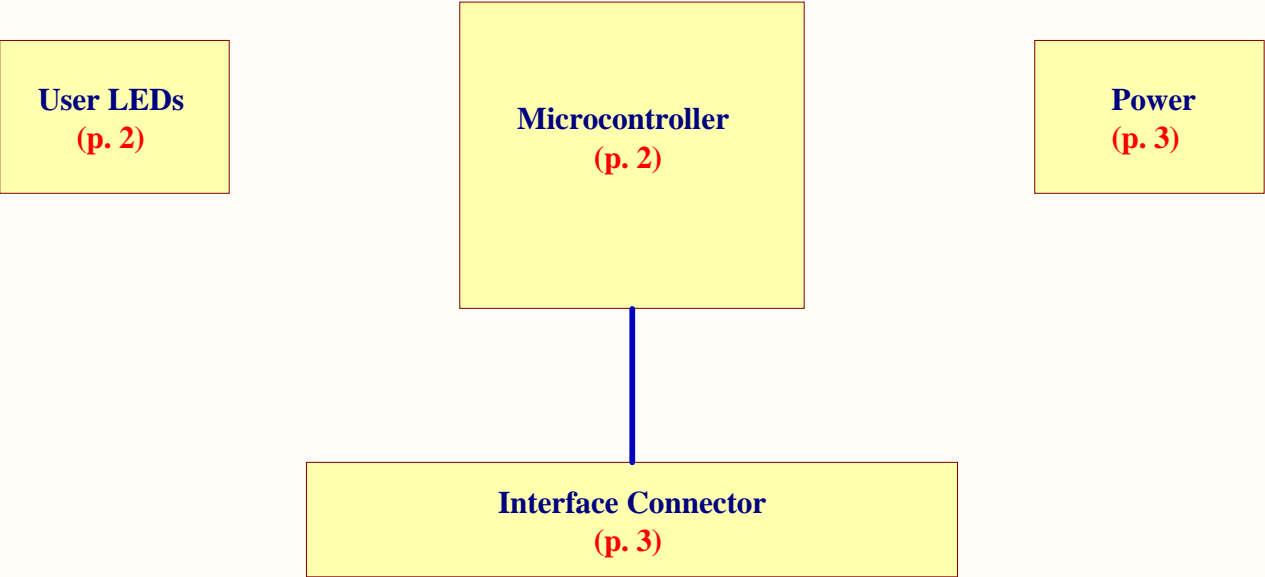
# Microcontroller-on-Module STM32 Edition v1 (MoM-S1)

## v 1.0.2

By: Matt Staniszewski

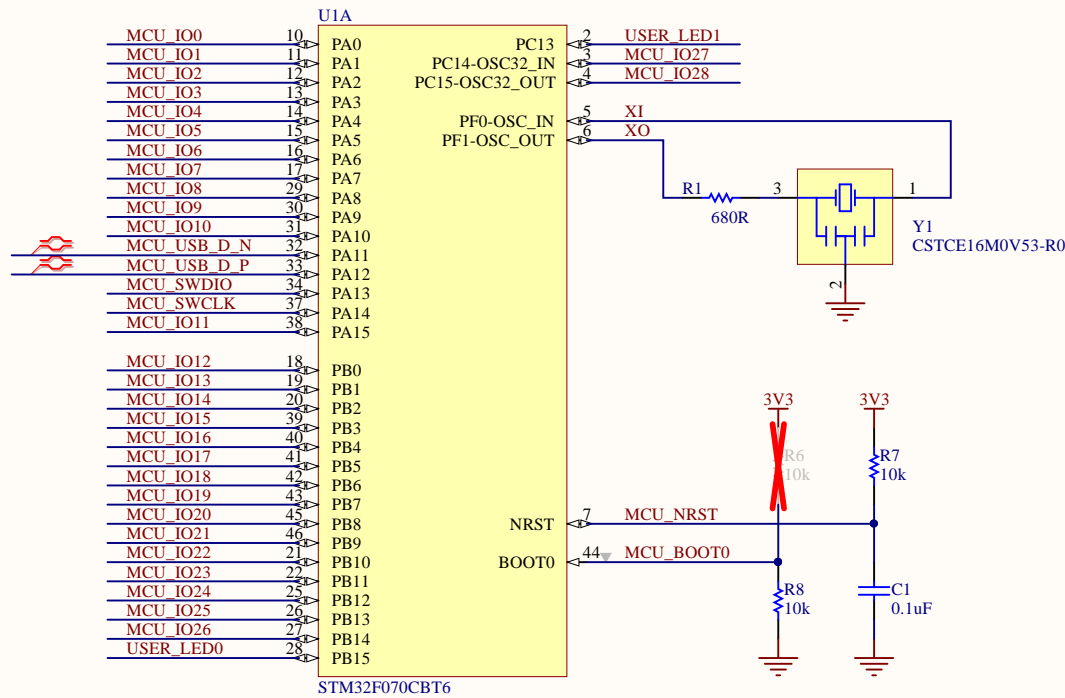
### Table of Contents

- p. 1 - Introduction and Table of Contents
- p. 2 - Microcontroller and LEDs
- p. 3 - Interface Connector and Power

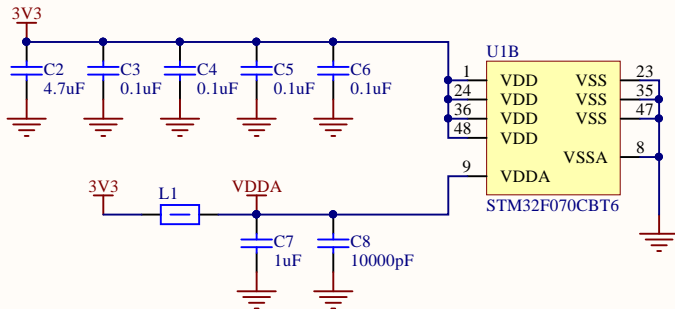
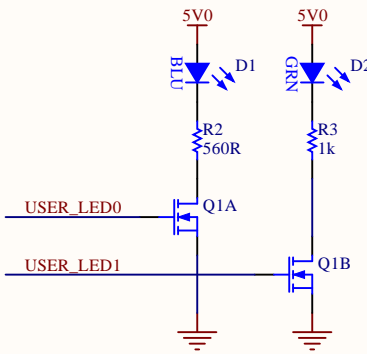


Title				<b>Introduction and Table of Contents</b>			
Size		Number			Revision		
Orcad B		<b>MoM-S1</b>			<b>1.0.2</b>		
Date:		8/24/2018			Sheet		1 of 3
File:		C:\git\msx\mom\PCB\p1_title_toc.SchDoc			Drawn By:		<b>Matt Staniszewski</b>

Microcontroller

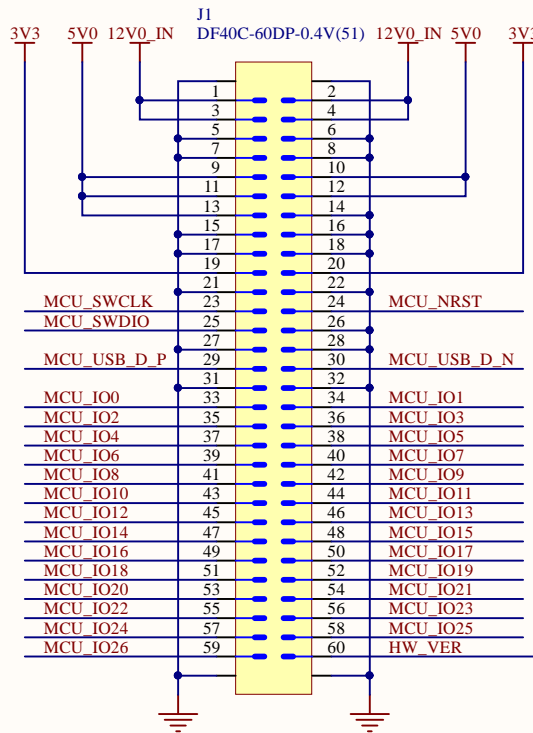


User LEDs



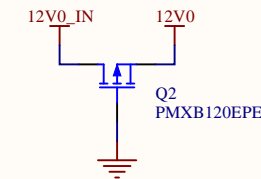
Title <b>Microcontroller and BLE</b>		
Size Orcad B	Number <b>MoM-S1</b>	Revision <b>1.0.2</b>
Date:	8/24/2018	Sheet 2 of 3
File:	C:\git\msx\mom\PCB\p2_mcu.SchDoc	Drawn By: <b>Matt Staniszewski</b>

Interface Connector

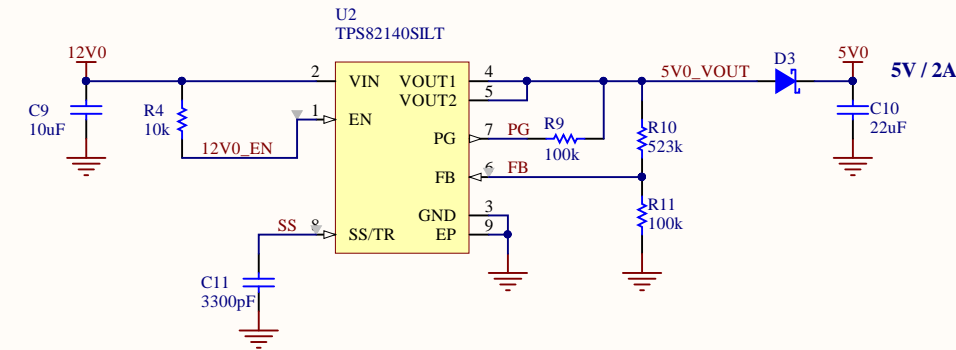


Mating Connector: DF40C-60DS-0.4V(51)  
(May choose higher mating height if needed)

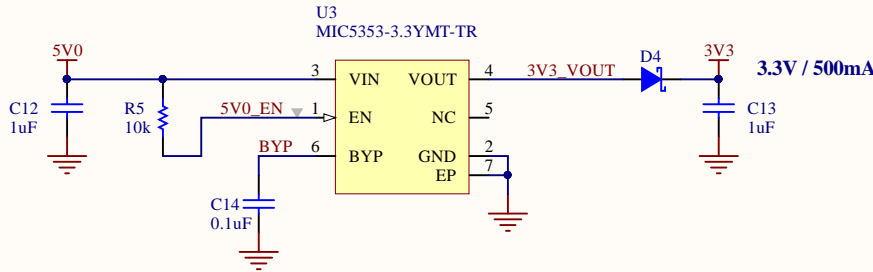
Reverse Voltage Protection



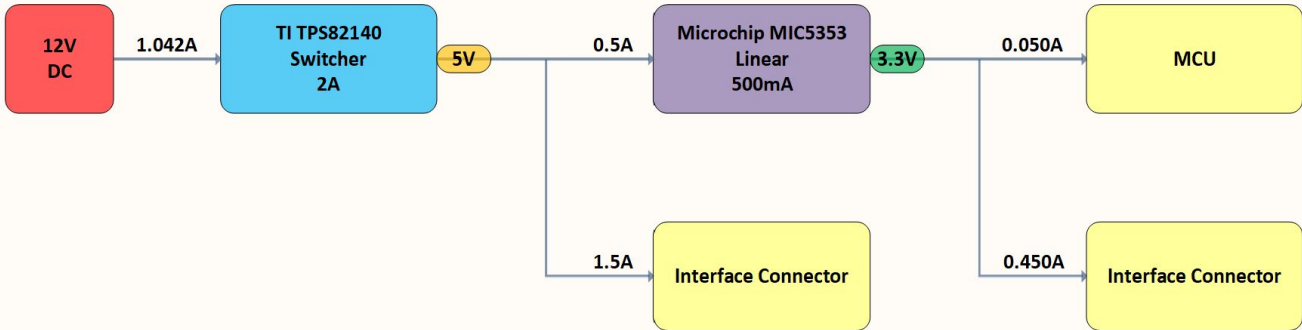
5V Switching Regulator



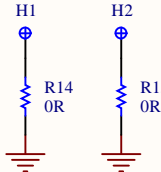
3.3V Linear Regulator



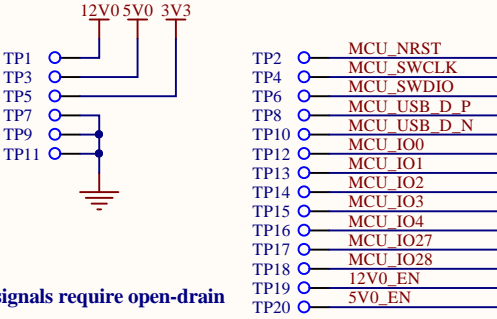
Voltage Tree



M1.6 Mounting Holes



Test Points



Enable signals require open-drain

Title <b>Interface Connector and Power</b>		
Size Orcad B	Number <b>MoM-S1</b>	Revision <b>1.0.2</b>
Date: 8/24/2018	Sheet 3 of 3	
File: C:\git\...\p3_intf_conn_pwr.SchDoc	Drawn By: Matt Staniszewski	