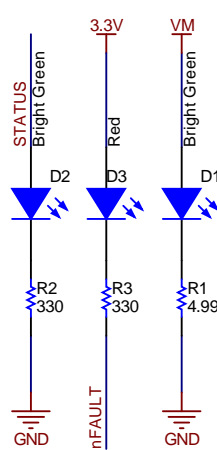


LEDS

The diagram shows three LEDs connected to a 3.3V supply. The first LED, labeled 'STATUS Bright Green' and 'D2', is connected to a 3.3V supply through a 330 ohm resistor (R2) and to ground (GND). The second LED, labeled 'Red' and 'D3', is connected to a 3.3V supply through a 330 ohm resistor (R3) and to ground (nFAULT). The third LED, labeled 'Bright Green' and 'D1', is connected to a 3.3V supply through a 4.99k resistor (R1) and to ground (GND).



BUTTON

SELECT
PUSH
BUTTON FUNC

SH-J2

DEFAULT PINS 1-2

RESET 1 2 3

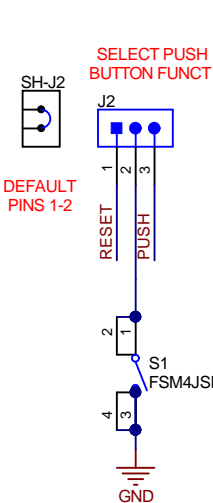
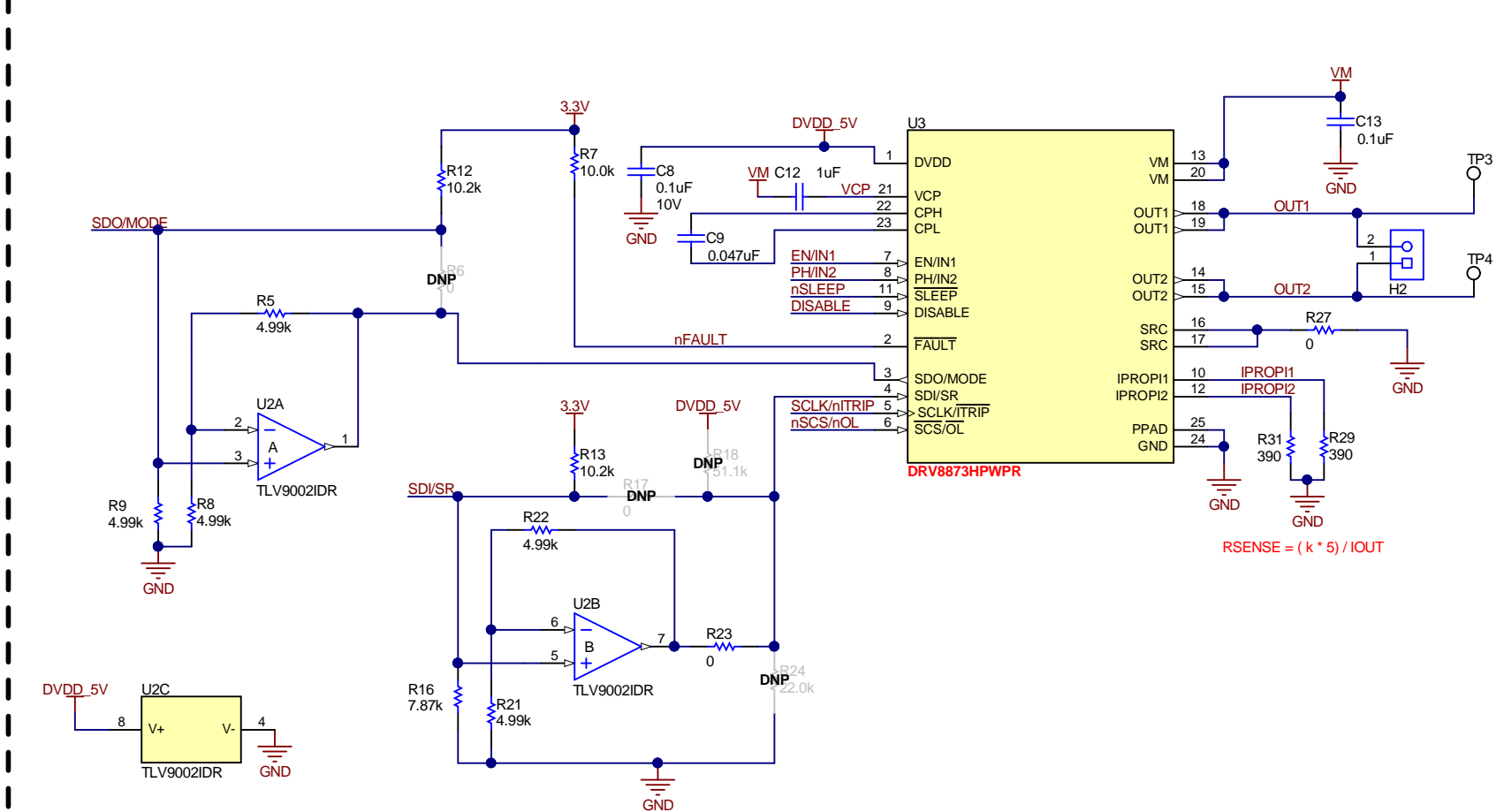
PUSH

J2

S1
FSM4JMSA

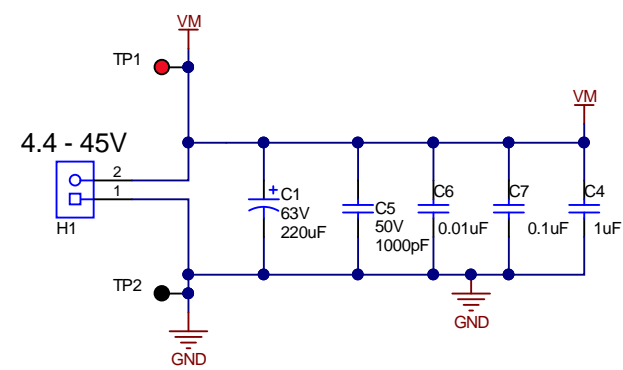
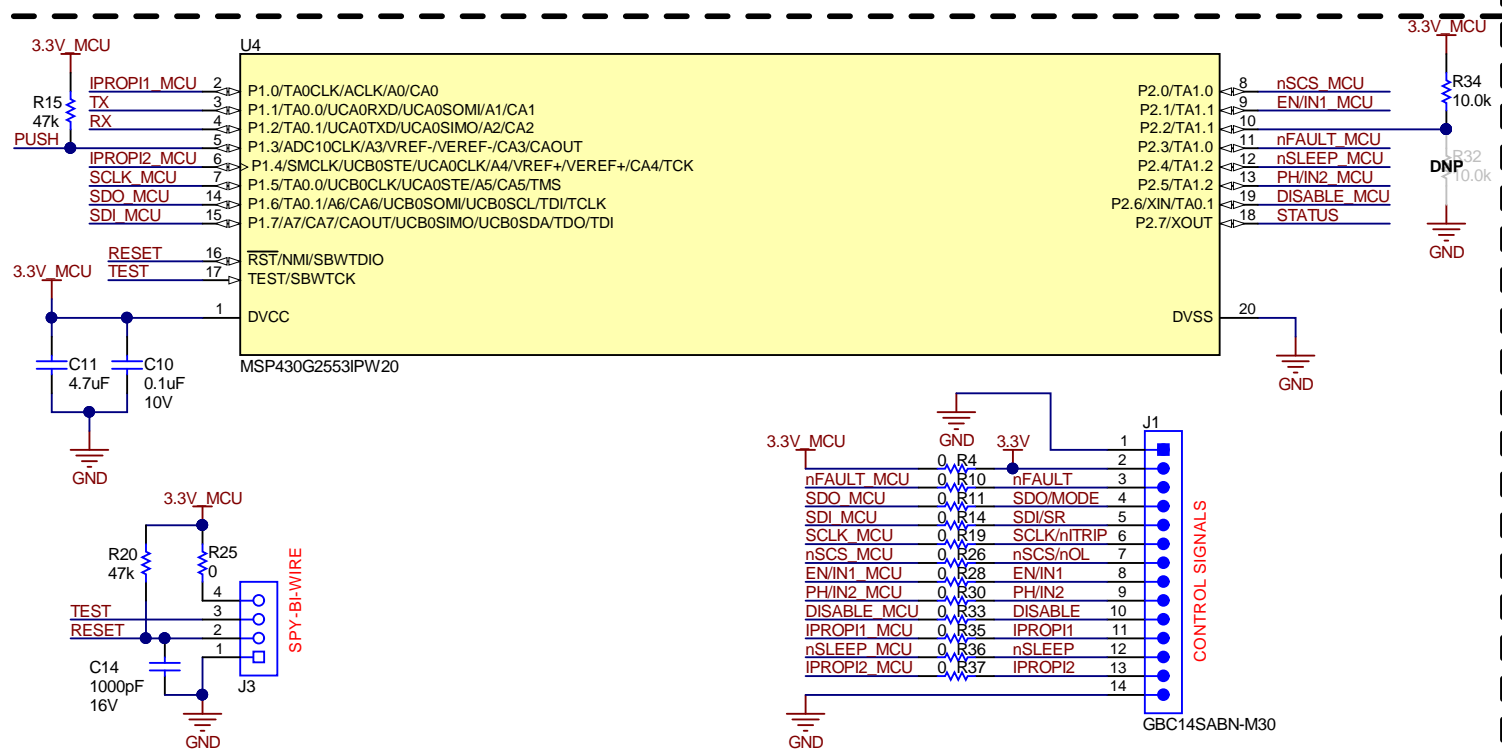
1 2 3 4


GND

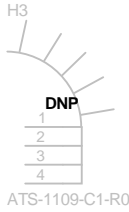
[illegible]

MSP430 & SPY-BI-WIRE

The diagram illustrates the connection of an MSP430G2553IPW20 microcontroller to a SPY-BI-WIRE interface. The MSP430 is shown with its pins connected to various components: 3.3V_MCU, R15 (47k), PUSH, IPROPI1_MCU, TX, RX, IPROPI2_MCU, SCLK_MCU, SDO_MCU, SDI_MCU, RESET, TEST, DVCC, and DVSS. The SPY-BI-WIRE interface is shown with a 3.3V_MCU, R20 (47k), R25 (0), TEST, RESET, C14 (1000pF), 16V, and GND. The SPY-BI-WIRE signals are connected to the MSP430 pins: nFAULT_MCU, SDO_MCU, SDI_MCU, SCLK_MCU, nSCS_MCU, ENIN1_MCU, PHIN2_MCU, DISABLE_MCU, IPROPI1_MCU, nSLEEP_MCU, and IPROPI2_MCU. The SPY-BI-WIRE signals are also connected to the MSP430 pins: nFAULT_MCU, SDO_MCU, SDI_MCU, SCLK_MCU, nSCS_MCU, ENIN1_MCU, PHIN2_MCU, DISABLE_MCU, IPROPI1_MCU, nSLEEP_MCU, and IPROPI2_MCU. The SPY-BI-WIRE signals are also connected to the MSP430 pins: nFAULT_MCU, SDO_MCU, SDI_MCU, SCLK_MCU, nSCS_MCU, ENIN1_MCU, PHIN2_MCU, DISABLE_MCU, IPROPI1_MCU, nSLEEP_MCU, and IPROPI2_MCU.



Orderable: MD006-002	Designed for: Public Release	Mod. Date: 9/10/2018	
TID #: N/A	Project Title: DRV8873xEVM		
Number: MD021	Rev: A	Sheet Title:	
SVN Rev: Version control disabled	Assembly Variant: 002	Sheet: 1 of 2	
Drawn By:	File: MD021A_EVM.SchDoc	Size: B	
Engineer: Rick Duncan	Contact: http://www.ti.com/support		http://www.ti.com © Texas Instruments 2018



PCB Number: MD021
PCB Rev: A

PCB
LOGO
Texas Instruments



PCB
LOGO
FCC disclaimer

PCB
LOGO
WEEE logo



LBL1
PCB Label
THT-14-423-10
Size: 0.65" x 0.20 "

ZZ1
Label Assembly Note
This Assembly Note is for PCB labels only

Variant/Label Table	
Variant	Label Text
001	DRV8873SEVM
002	DRV8873HEVM

ZZ2
Assembly Note
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3
Assembly Note
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4
Assembly Note
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

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Orderable: MD006-002		Designed for: Public Release	Mod. Date: 8/31/2018
TID #: N/A		Project Title: DRV8873xEVM	
Number: MD021	Rev: A	Sheet Title:	
SVN Rev: Version control disabled	Assembly Variant: 002		Sheet: 2 of 2
Drawn By:	File: MD021A_Hardware.SchDoc		Size: B
Engineer: Rick Duncan	Contact: http://www.ti.com/support		