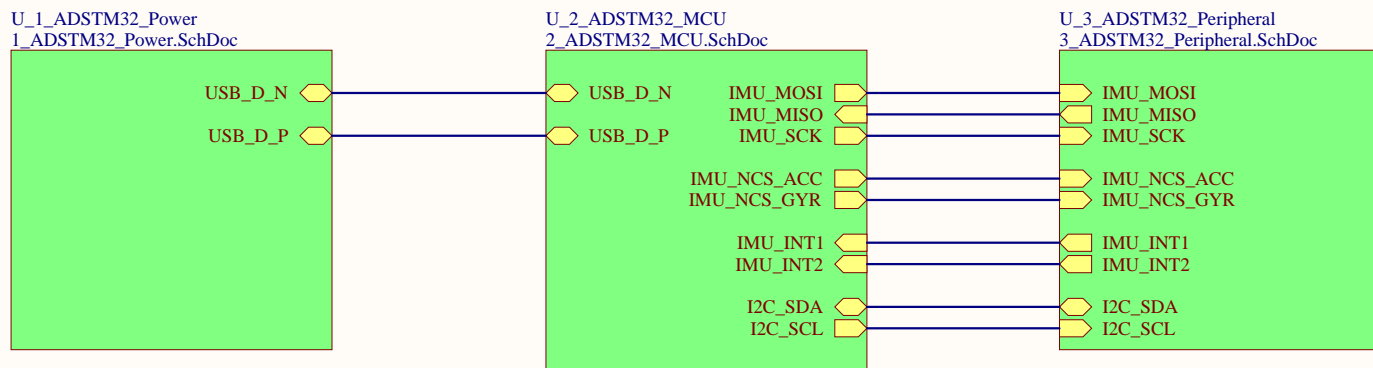


ALTI UM DESİ GNER STM32 TEST BOARD



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File:	C:\Users\...\0_ADSTM32_Overview.SchDoc	Drawn By:

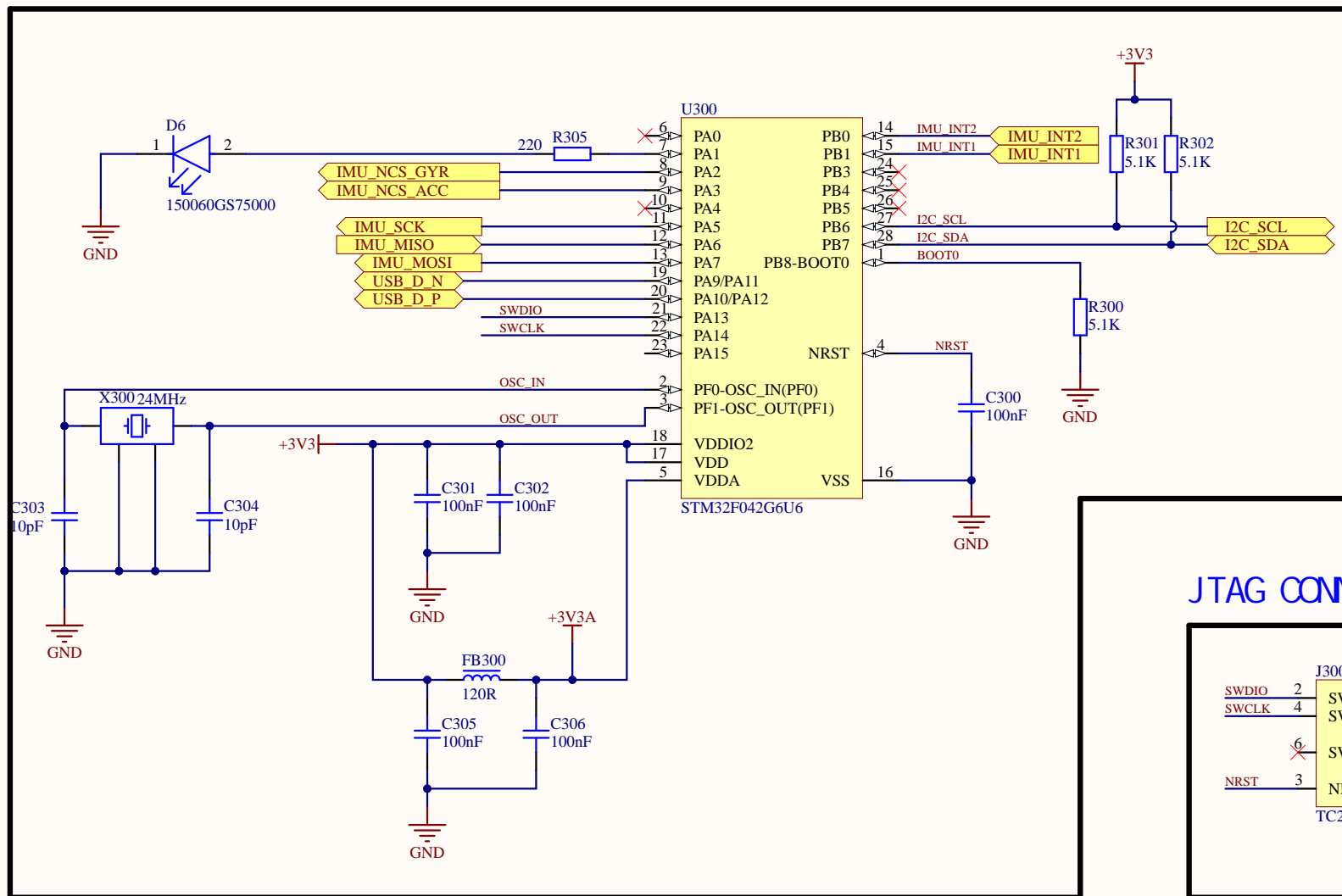
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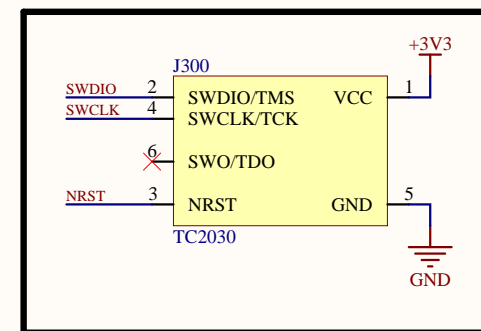
D

[2] MCU

MICROCONTROLLER + JTAG CONNECTOR

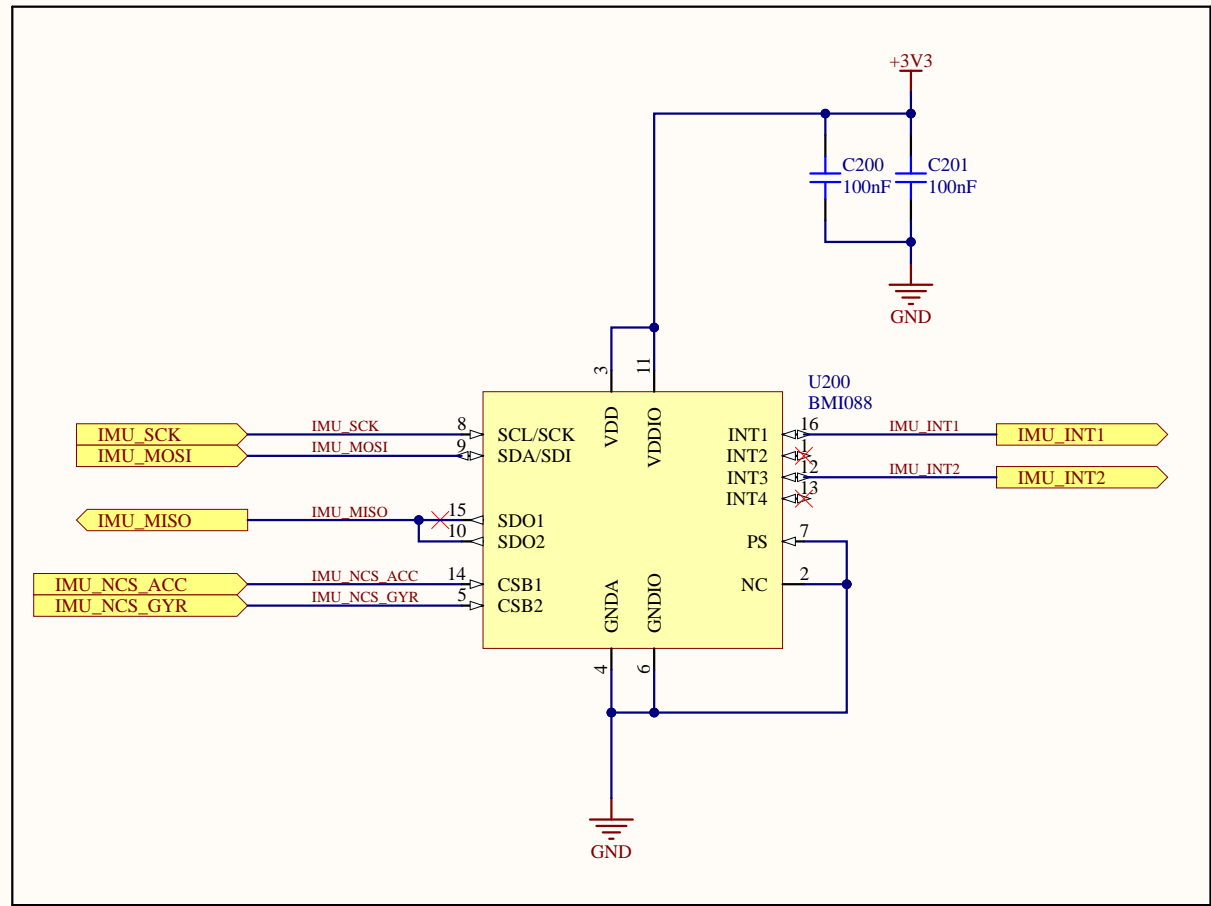


JTAG CONNECTOR

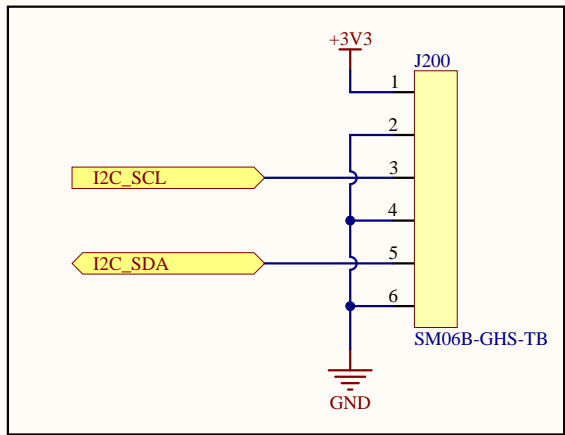


[3] Peri pheral s

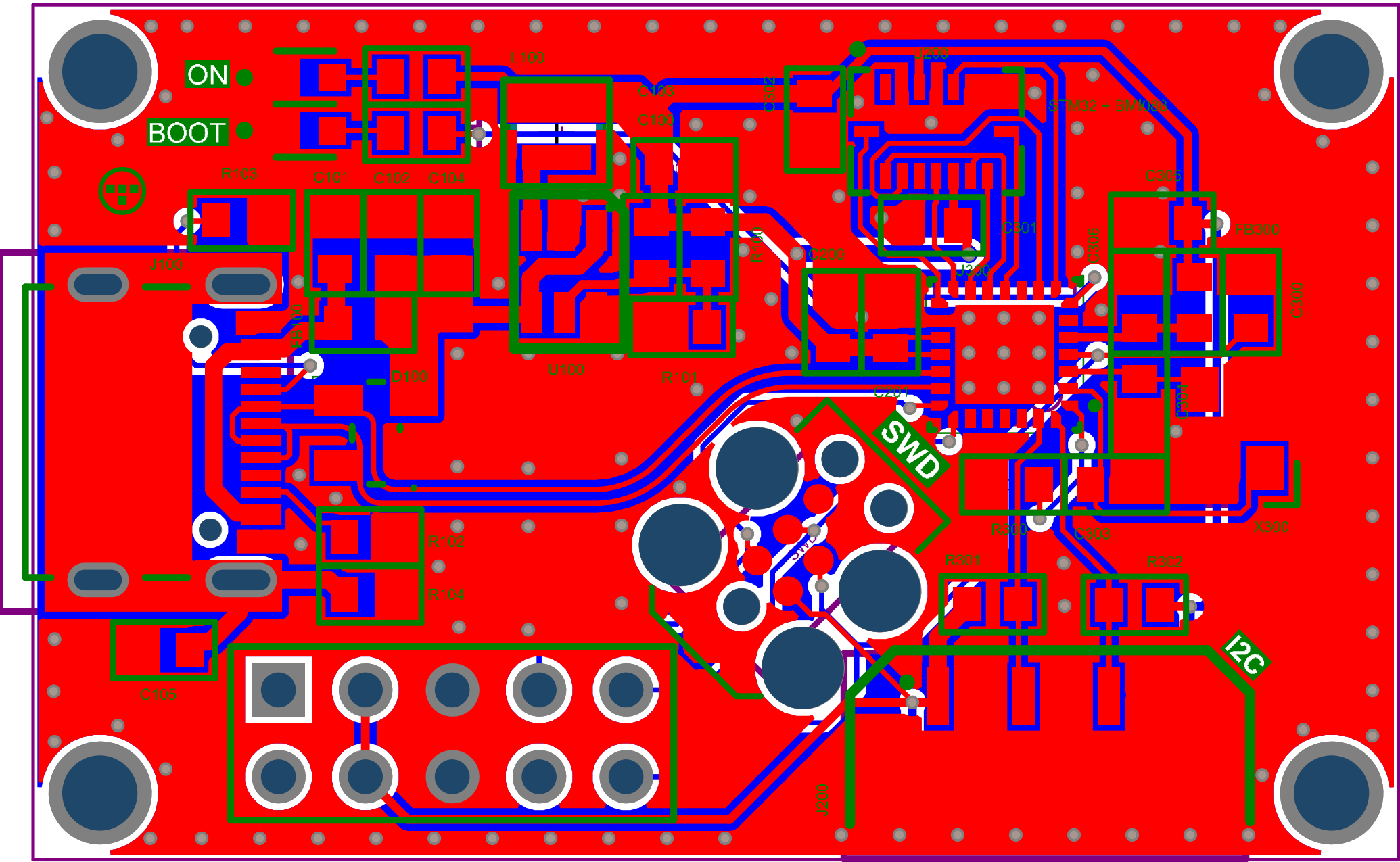
I NERTI AL MEASUREMENT UNI T(SPI TO MICROCONTROLLER)



I 2C CONNECTOR



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File:	C:\Users\...\3_ADSTM32_Peripheral.SchDoc	Drawn By:



Manufacturer Part Number	Manufacturer	Comment	Description	Designator	Footprint	LibRef	Quantity
		4.7uF	Capacitor SMD 0805 16V	C100, C104	CAP_0603	CAP_0805_16V	2
		100nF	Capacitor SMD 0603 16V	C101, C102, C200, C201, C300, C301, C302, C305, C306	CAP_0603	CAP_0603_16V	9
		22pF	Capacitor SMD 0603 16V	C103	CAP_0603	CAP_0603_16V	1
		2.2nF, 2Kv	Capacitor SMD 0805 16V	C105	CAP_0603	CAP_0805_16V	1
		10pF	Capacitor SMD 0603 16V	C303, C304	CAP_0603	CAP_0603_16V	2
		150060GS75000	LED GREEN CLEAR 0603 SMD	D1, D6	FP-150060GS75000-MFG	CMP-1426-00002-2	2
	Littelfuse	SP0503BAHTG	TVS Diode Array, 30 pF, 30 KV, -40 to 85 degC, 4-Pin SOT143, RoHS, Tape and Reel	D100	LFUS-SOT143-4_V	CMP-2000-05191-1	1
		120R	Ferrite Bead SMD 0603	FB100, FB300	FB_0603	FB_0603	2
USB4105-GF-A-060	GCT	USB4105-GF-A-060	USB Connector Type C SMT 12 Pin	J100	USB4105-GF-A-060	USB4105-GF-A-060	1
SM06B-GHS-TB	JST	SM06B-GHS-TB	Header Connector 6 Position 1.25MM Pitch SMD Horizontal JST GH	J200	SM06B-GHS-TB	SM06B-GHS-TB	1
		10uH	NRH2412T100MNGH - Shielded Wirewound Inductor 10uH 20% 0.51A 0.72Ω SMD	L100	FP-NRH2412-MFG	CMP-14484-000582-1	1
		887k	Resistor SMD 0603	R100	RES_0603	RES_0603	1
		280k	Resistor SMD 0603	R101	RES_0603	RES_0603	1
		5.1K	Resistor SMD 0603	R102, R103, R300, R301, R302	RES_0603	RES_0603	5
		1M	Resistor SMD 0805	R104	RES_0603	RES_0805	1
		220	Resistor SMD 0603	R105, R305	RES_0603	RES_0603	2
LTC3405ES6#TRMPBF	Analog Devices	LTC3405ES6#TRMPBF	1.5MHz, 300mA Synchronous Step-Down Regulator in ThinSOT	U100	SOT-23-6	LTC3405ES6#TRMPBF	1
BMI088	Bosch	BMI088	Inertial Measurement Unit IMU 6-Axis LGA	U200	BMI088	BMI088	1
	STMicroelectronics	STM32F042G6U6	ARM Cortex-M0 32-bit MCU, 32 KB Flash, 6 KB Internal RAM, 24 I/Os, 28-Pin UFQFPN, -40 to 85 degC, Tray	U300	STM-UFQFPN28_V	CMP-0304-00112-2	1
TSX-3225 24.0000MF15X-AC	Epson	24MHz	Crystal SMD 24MHz 10PPM 7pF 3225	X300	XTAL_3225	TSX-3225_24.0000MF15X-AC	1