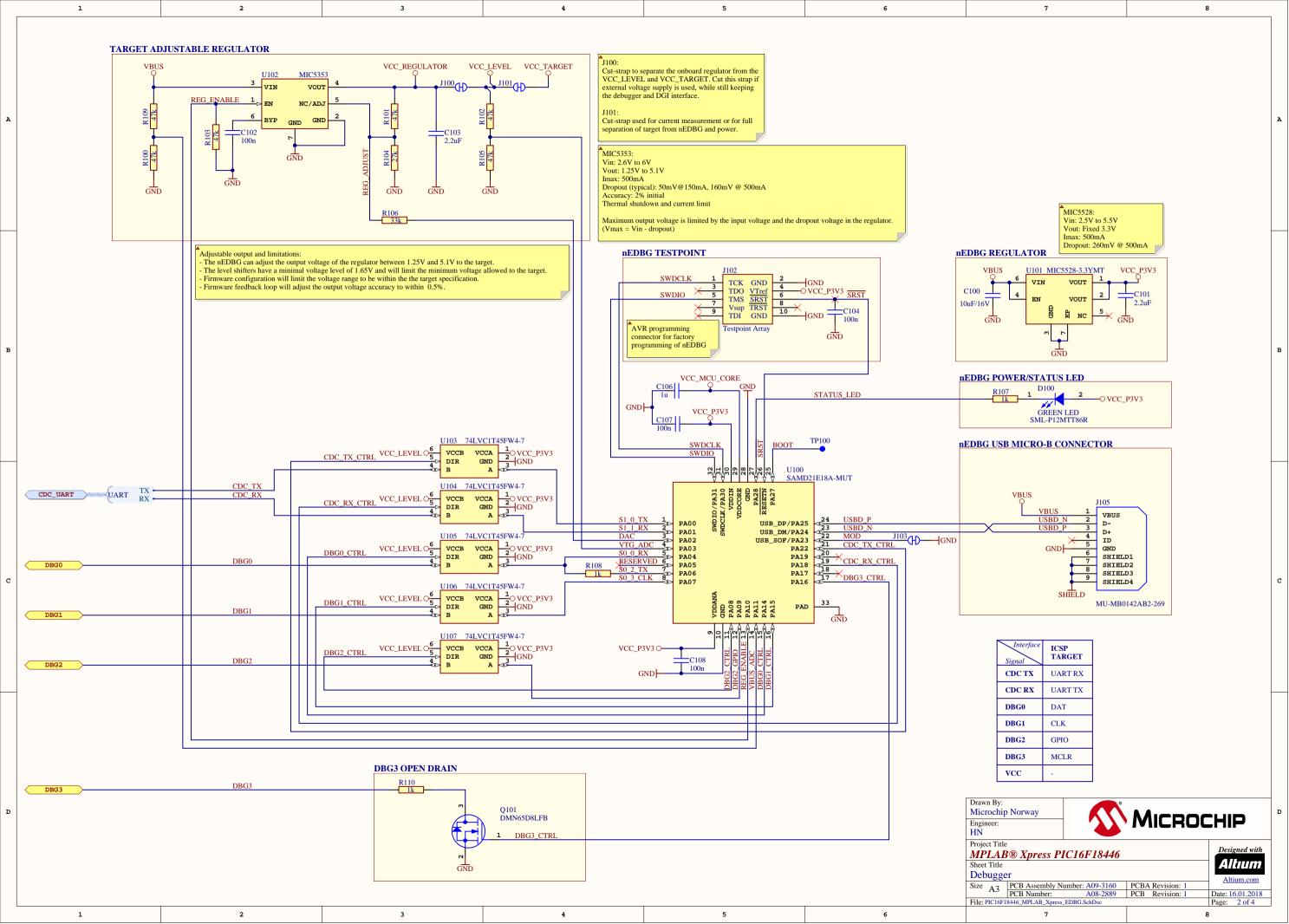
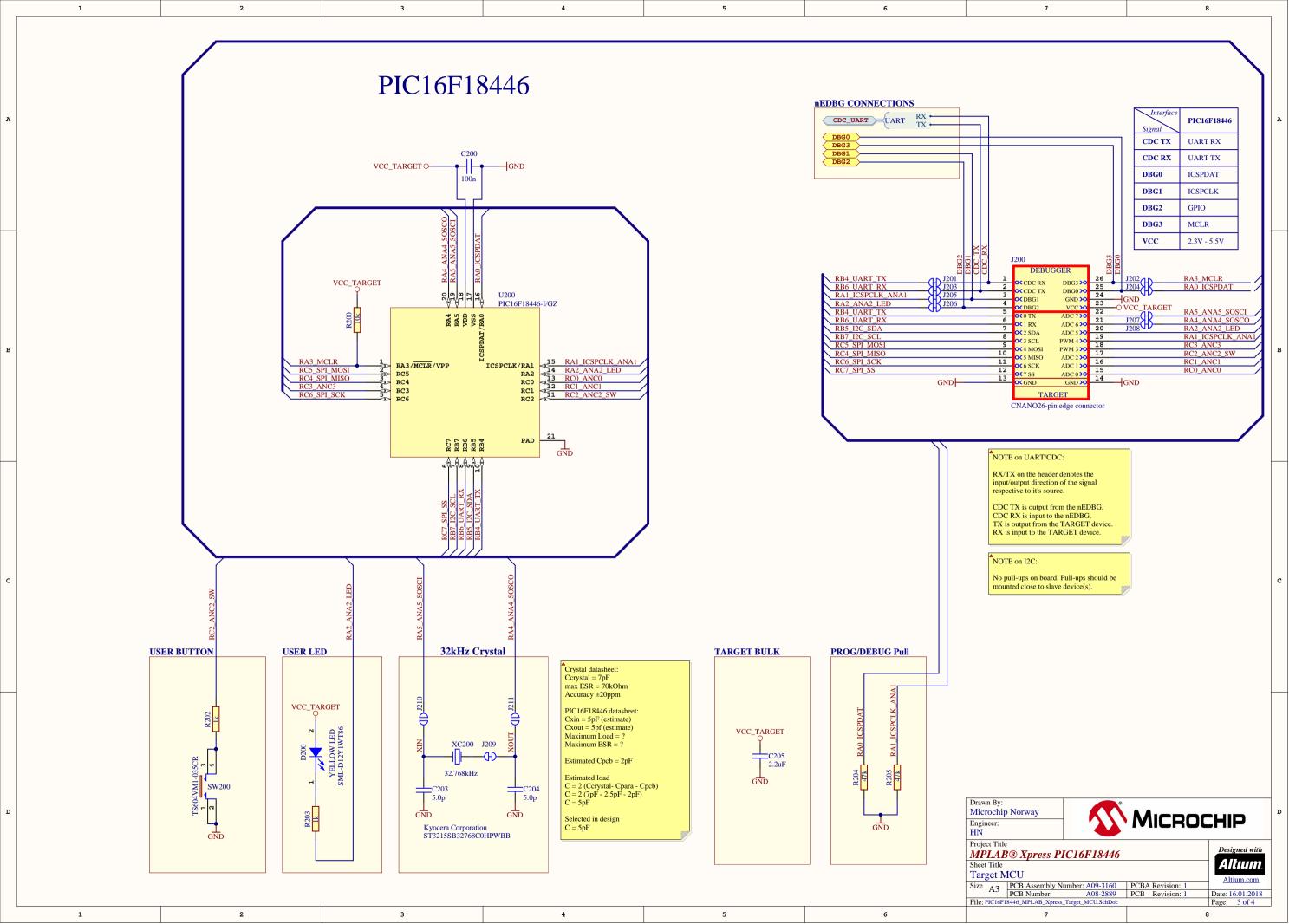


File: PIC16F18446_MPLAB_Xpress_TopLevel.SchDoc

2 3 4 5 6 7 8





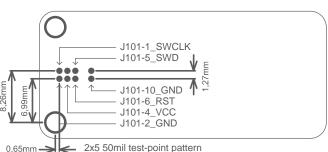
Revision History PCB Assembly Rev 1: Design Changes: Initial Design PCB revision 1 Drawn By: Microchip Norway **MICROCHIP** Project Title

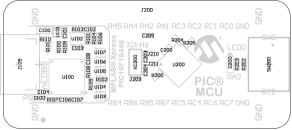
MPLAB® Xpress PIC16F18446 Altıum. Date: 16.01.2018



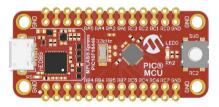
Connector Placement 2,54mm 5,08mm 000000000000 000000000000 2.54mm

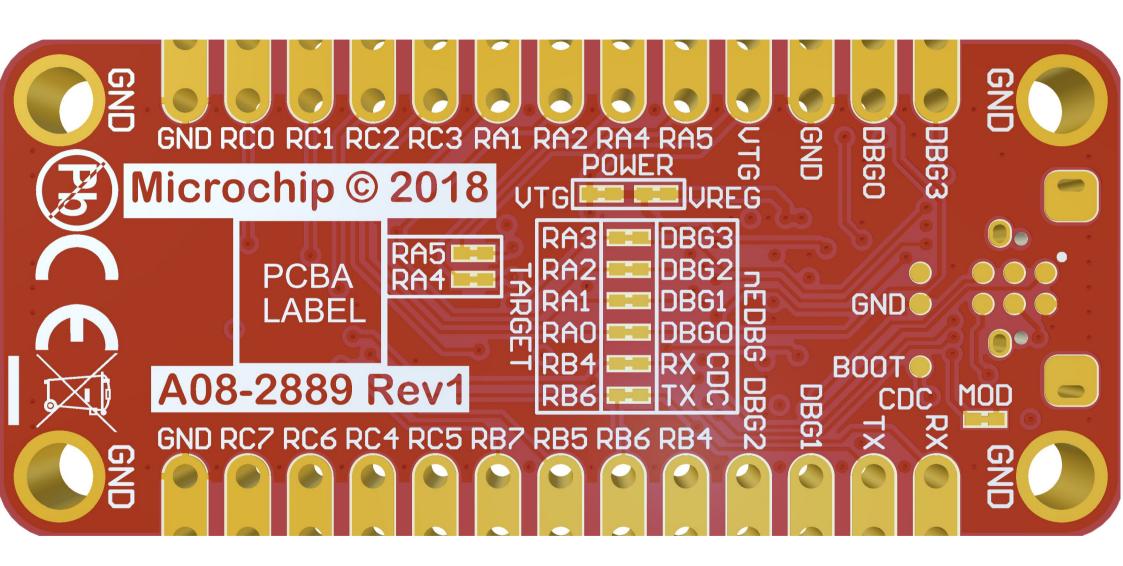
Test Point Placement

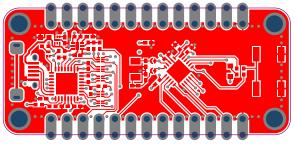


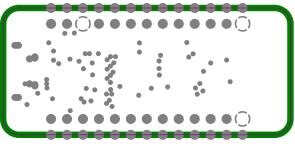


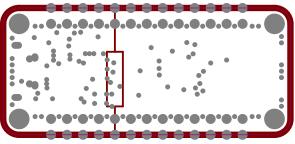


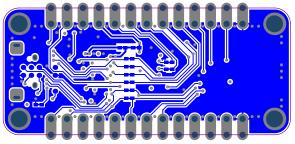












Component list

Bill of Materials Fitted For Variant [Default Assembly] of Project [PIC16F18446_MPLAB_Xpress.PrjPcb] (No PCB Document Selected)

Source Data From: PIC16F18446_MPLAB_Xpress.PrjPcb

Project: PIC16F18446_MPLAB_Xpress.PrjPcb

Variant: Default Assembly

Report Date: 16.01.2018 14:31:23

Print Date: 16.01.2018 14:31:08



	Print Date:	16.01.2018	14:31:08			
Fitted	Designator	Quantity	Value	Manufacturer	MPN	Description
Fitted	C100	1	10uF/16V	Taiyo Yuden	EMK107BBJ106MA-T	Ceramic capacitor, SMD 0603, X5R, 16V, 10UF ± 20% (High Density)
Fitted	C101	1	2.2uF	Kemet	C0402C225M9PAC	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-20%
Fitted	C102, C104, C107, C108, C200	5	100n	Kemet	C0402C104K4RACTU	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%
Fitted	C103, C205	2	2.2uF	tdk	C1005X5R1A225K	CAP CER 2.2UF 10V 10% X5R 0402
Fitted	C106	1	1u	Kemet	C0402C105K9PAC	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-10% (de26942)
Fitted	C203, C204	2	5.0p	Murata	GRM1555C1H5R0CA01D	Ceramic capacitor, SMD 0402, NP0, 50V, +/-0.25pF
Fitted	D100	1	GREEN LED	ROHM	SML-P12MTT86R	LED, SMD 0402, Green, Wave length=569nm, 2.1mcd @ (1mA, 1.9Vf)rohm
Fitted	D200	1	YELLOW LED	ROHM	SML-D12Y1WT86	LED, SMD 0603, Yellow, Wave length=590nm, 100mcd @ (20mA, 2.2Vf) rohm
Fitted	FW1	1	nEDBG firmw are			nEDBG firmw are
Fitted	J105	1	MU-MB0142AB2-269	Allen Creations Corp.	MU-MB0142AB2-269	USB micro AB, Surface mount signals and DIP shield
Fitted	LABEL1	1	Label PCBA Small 6x6mm	ACT Logimark AS	505462	PCBA identification label PPTop White Gloss
Fitted	PCB1	1	MPLAB Xpress PIC16F18446 PCB documentation			MPLAB Xpress PIC16F18446 PCB documentation
Fitted	PCBADOC1	1	A09-3120 PCBA files			MPLAB Xpress PIC16F18446 PCBA documentation
Fitted	Q101	1	DMN65D8LFB	Diodes Incorporated	DMN65D8LFB-7	N-channel MOSFET, DFN1006-3 (SOT883), 60V, 330mA, 40hm
Fitted	R100, R101, R102, R103, R105, R109, R204, R205	8	47k	КОА	RK73H1ETTP4702F	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R104	1	27k	YAGEO CORP	RC0402FR-0727KL	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R106	1	33k	ASJ	CR10-3302-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R107, R108, R110, R202, R203	5	1k	ASJ	CR10-1001-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R200	1	10k	YAGEO CORP	RC0402FR-0710KL	Thick film resistror, SMD 0402, 1/16W, 1%
Fitted	SW200	1	TS604VM1-035CR	Dailyw ell Electronics Co.LTD	TS604VM1-035CR-R	SWITCH, SMD, 260gf, 6.4mm X 6.2mm
Fitted	TEST1	1	MPLAB Xpress PIC16F18446 test			Fixture test for MPLAB Xpress PIC16F18446
Fitted	TESTDOC1	1	PIC16F18446 MPLAB Xpress Test Instructions			PIC16F18446 MPLAB Xpress Test Instructions
Fitted	U100	1	SAMD21E18A-MUT	Microchip	ATSAMD21E18A-MUT	Atmel 32-bit RISC MCU 32pin
Fitted	U101	1	MIC5528-3.3YMT	Microchip	MIC5528-3.3YMT-T5	LDO 3.3V 0.5A 6TDFN
Fitted	U102	1	MIC5353	Microchip	MIC5353YMT-TR	500mA Ultra Low Dropout LDO regulator, 2% accuracy, 1.6x1.6mm MLF
Fitted	U103, U104, U105, U106, U107	5	74LVC1T45FW4-7	Diodes Incorporated	74LVC1T45FW4-7	Single-Bit Dual-Supply Transceive, 1.65-5.5 Translation and 3-State Outputs
Fitted	U200	1	PIC16F18446-VGZ	Microchip Technology Inc	PIC16F18446T-I/GZ	PIC 8-bit RISC MCU, UQFN-20, 4mm x 4mm
Fitted	XC200	1	32.768kHz	Kyocera Corporation	ST3215SB32768C0HPWBB	Kyocera ST3215SB32768C0HPWBB, 32.768kHz, 7pF, SMD tuning fork crystal
		49				
Approved			Notes	·	<u> </u>	