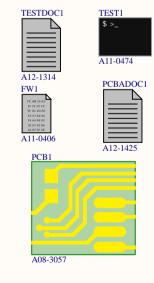


On-Board Peripherals					
LED0	PB3	Active Low			
SW0	PB2	Active Low			

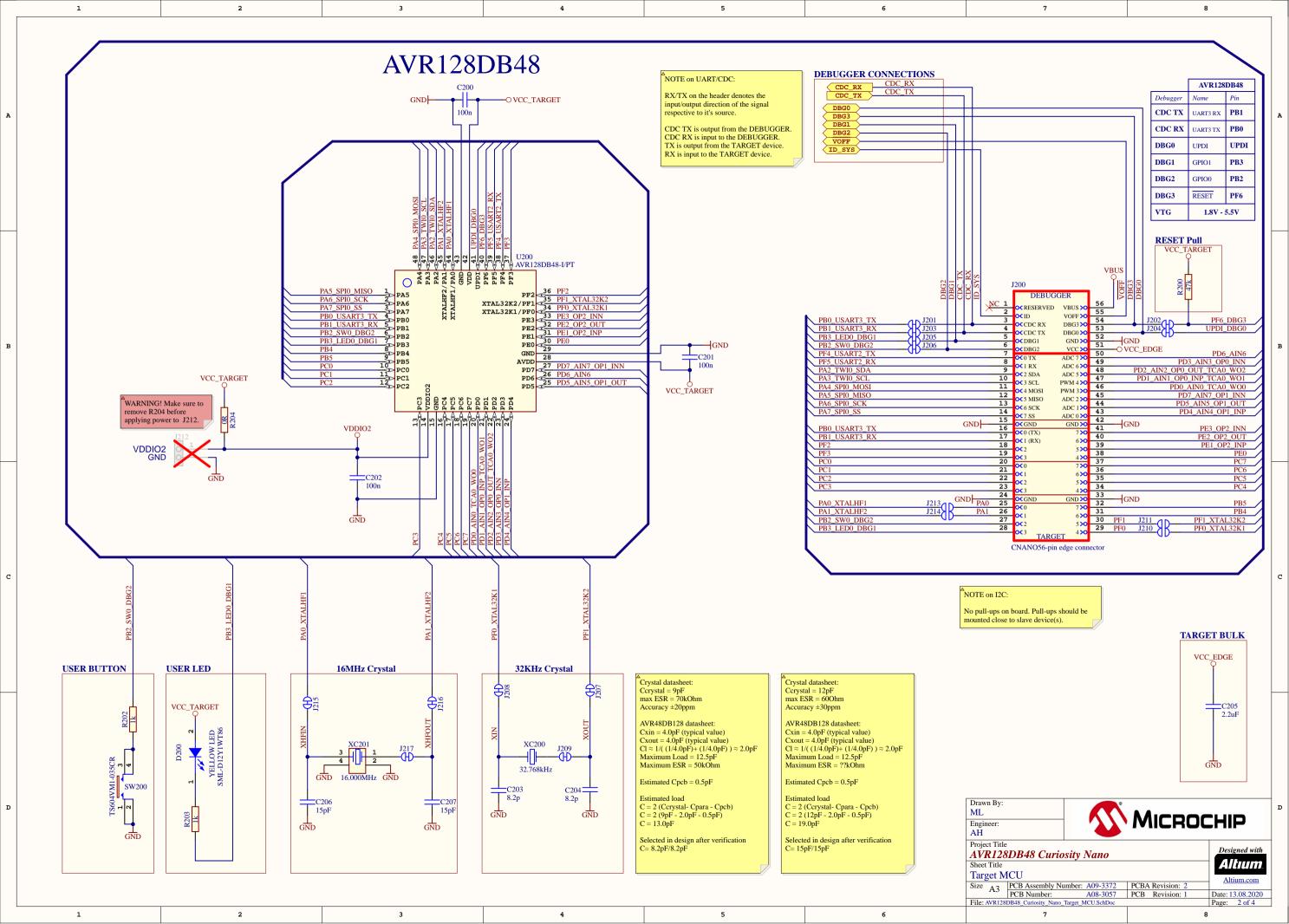


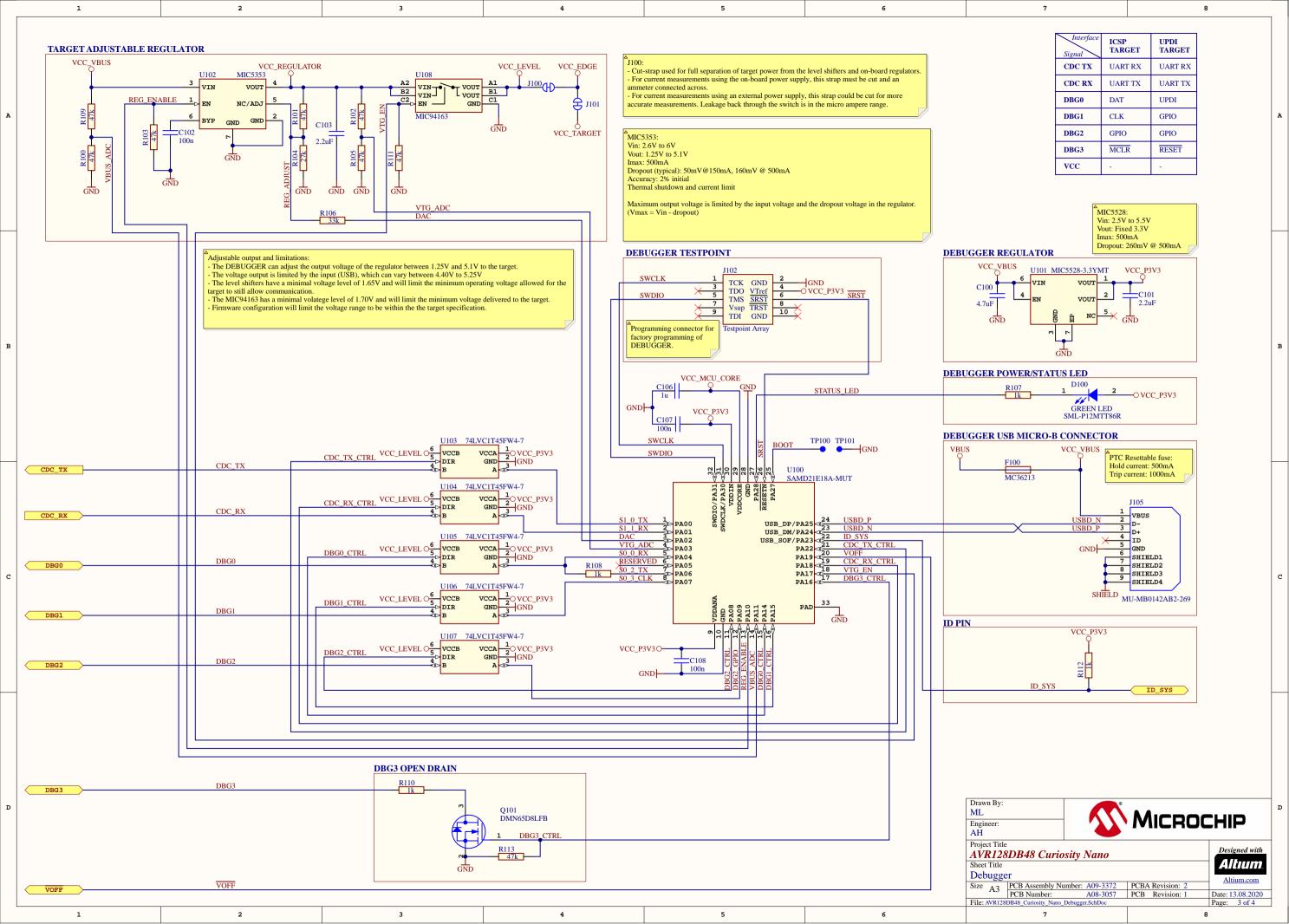


AVR128DB48_Curiosity_Nano_Revision_History.SchDoc

Drawn By: MICROCHIP Engineer: Project Title AVR128DB48 Curiosity Nano Altıum.

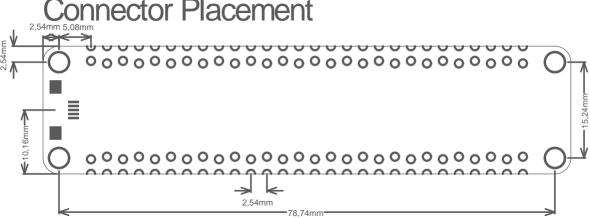
Top Level
 Size A3
 PCB Assembly Number: A09-3372 PCB Number: A08-3057 PCB Number: A08-3057 PCB Revision:
 PCB Number: Revision: PCB Number: A08-3057 PCB Revision:
 Date: 13.08.2020 A08-3057 PCB Revision: 1



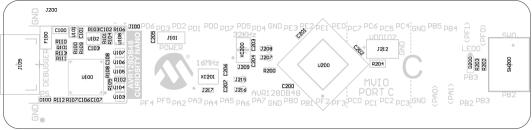


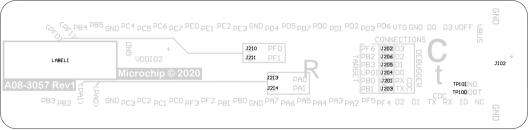
Revision History PCB Assembly Rev 1: Design Changes: PCB: PCB revision 1 **PCB Assembly Rev 2:** Design Changes: Changed to crystals from Microchip (Vectron) PCB: PCB revision 1 Drawn By: **MICROCHIP** Engineer: AVR128DB48 Curiosity Nano Altıum. Date: 13.08.2020

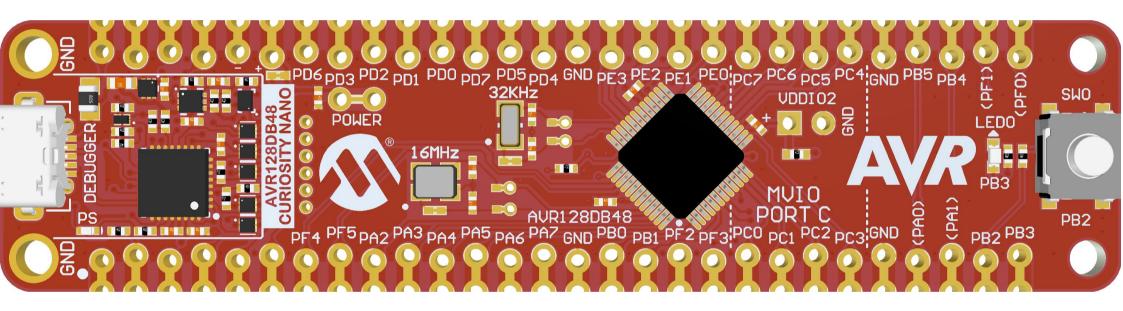


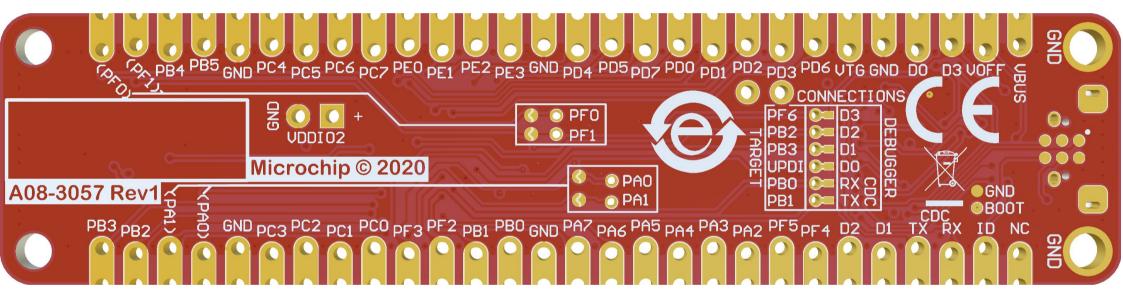


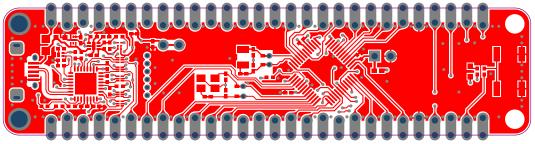


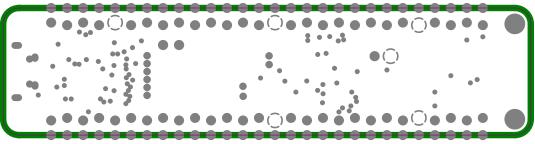


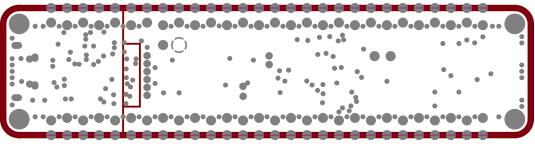


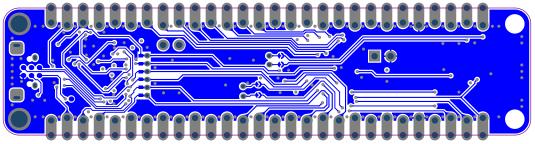












Component list

Bill of Materials Fitted for Variant [Default Assembly] of Project [AVR128DB48_Curiosity_Nano.PrjPcb] (No PCB Document Selected)

Source Data From: AVR128DB48_Curiosity_Nano.PrjPcb

Project: AVR128DB48_Curiosity_Nano.PrjPcb

Variant: Default Assembly

Report Date: 13.08.2020 16:25

Print Date: 13.08.2020 16:25:42



	Print Date:	13.08.2020	16:25:42			
Fitted	Designator	Quantity	Value	Manufacturer	MPN	Description
Fitted	C100	1	4.7uF	WALSIN Technology Corporation	0603X475K100CT	Ceramic capacitor, SMD 0603, X5R, 10V, 10% (de31036)
Fitted	C101, C103, C205	3	2.2uF	Kemet, TDK	C0402C225M9PAC, C1005X5R1A225K	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-20%, CAPCER 2.2UF 10V 10% X5R 0402
Fitted	C102, C107, C108, C200, C201, C202	6	100n	Kemet	C0402C104K4RACTU	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%
Fitted	C106	1	1u	Kemet	C0402C105K9PAC	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-10% (de26942)
Fitted	C203, C204	2	8.2p	Yageo	CC0402CRNPO9BN8R2	Ceramic capacitor, SMD 0402, NP0, 50V, +/-5%
Fitted	C206, C207	2	15pF	Yageo	CC0402JRNPO9BN150	Ceramic Capacitor,15pF,0402, 50V ,C0G, 5%
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	F100	1	MC36213	Multicomp	MC36213	Resetable PTC fuse, lh = 0.5A, lt = 1.0A, 0805 package
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	ACT Logimark AS	505462	PCBA identification label PP Top White Gloss
Fitted	PCB1	1	AVR128DB48 Curiosity Nano PCB Documentation			AVR128DB48 Curiosity Nano PCB Documentation
Fitted	PCBADOC1	1	AVR128DB48 Curiosity Nano PCBA Documentation			AVR128DB48 Curiosity Nano 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, R111, R113, R200	9	47k	КОА	RK73H1ETTP4702F	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R104	1	27k	Yageo	RC0402FR-0727KL	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R106	1	33k	ASJ Holdings	CR10-3302-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R107, R108, R110, R112, R202, R203	6	1k	A SJ Holdings	CR10-1001-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R204	1	0R	(n/a)	RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Fitted	SW200	1	TS604VM1-035CR	Dailyw ell Electronics Co.LTD	TS604VM1-035CR-R	SWITCH, SMD, 260gf, 6.4mm X 6.2mm
Fitted	TEST1	1	AVR128DB48 Curiosity Nano Test			Fixture test for AVR128DB48 Curiosity Nano
Fitted	TESTDOC1	1	Curiosity Nano Test Instructions			Generic Test Instructions for Curiosity Nano
Fitted	U100	1	SAMD21E18A-MUT	Microchip	ATSAMD21E18A-MUT	Atmel 32-bit RISC MCU 32pin
Fitted	U101	1	MIC5528-3.3YMT	Microchip	MIC5528-3.3Y MT-T5	LDO 3.3V 0.5A 6TDFN
Fitted	U102	1	MIC5353	Microchip	MIC5353YMT-TR	500mA Ultra Low Dropout LDO regulator, 2% accuracy, 1.6x1.6mmMLF
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	U108	1	MIC94163	Microchip	MIC94163YCS-TR	Loadswitch, Rds(on) = 14.5mohm, 1.0mm x 1.5mm WLCSP, reverse blocking
Fitted	U200	1	AVR128DB48-I/PT	Microchip	AVR128DB48T-I/PT	A V R MCU 8-Bit 128kB Flash 48 pin 24MHz TQFP
Fitted	XC200	1	32.768kHz	Microchip	VMK3-9001-32K7680000TR	Crystal, 32.768kHz, CL=9.0pF, ESR=70kOhm, SMD LxW=3.2 x 1.5mm, 20ppm
Fitted	XC201	1	16.000MHz	Microchip	VXM7-9040-16M0000000TR	Crystal, 16.0MHz, CL=12.0pF, ESR=80Ohm, SMD LxW=3.2 x 25mm, 20ppm
Not Fitted	J212	0	1125-1102S0S113R1	WCON	1125-1102S0S113R1	1x2 pin header, 2.54mm pitch, Pin-in-Paste THM
		57				
Approved		Notes				