

Ver 1.2 -

Ver 1.3 -

Ver 1.4 -

Ver 1.5 -

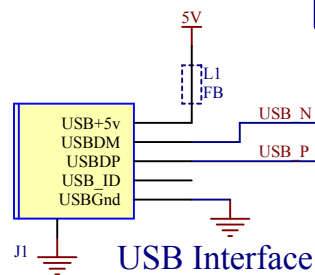
Added P

Ver 1.6 -

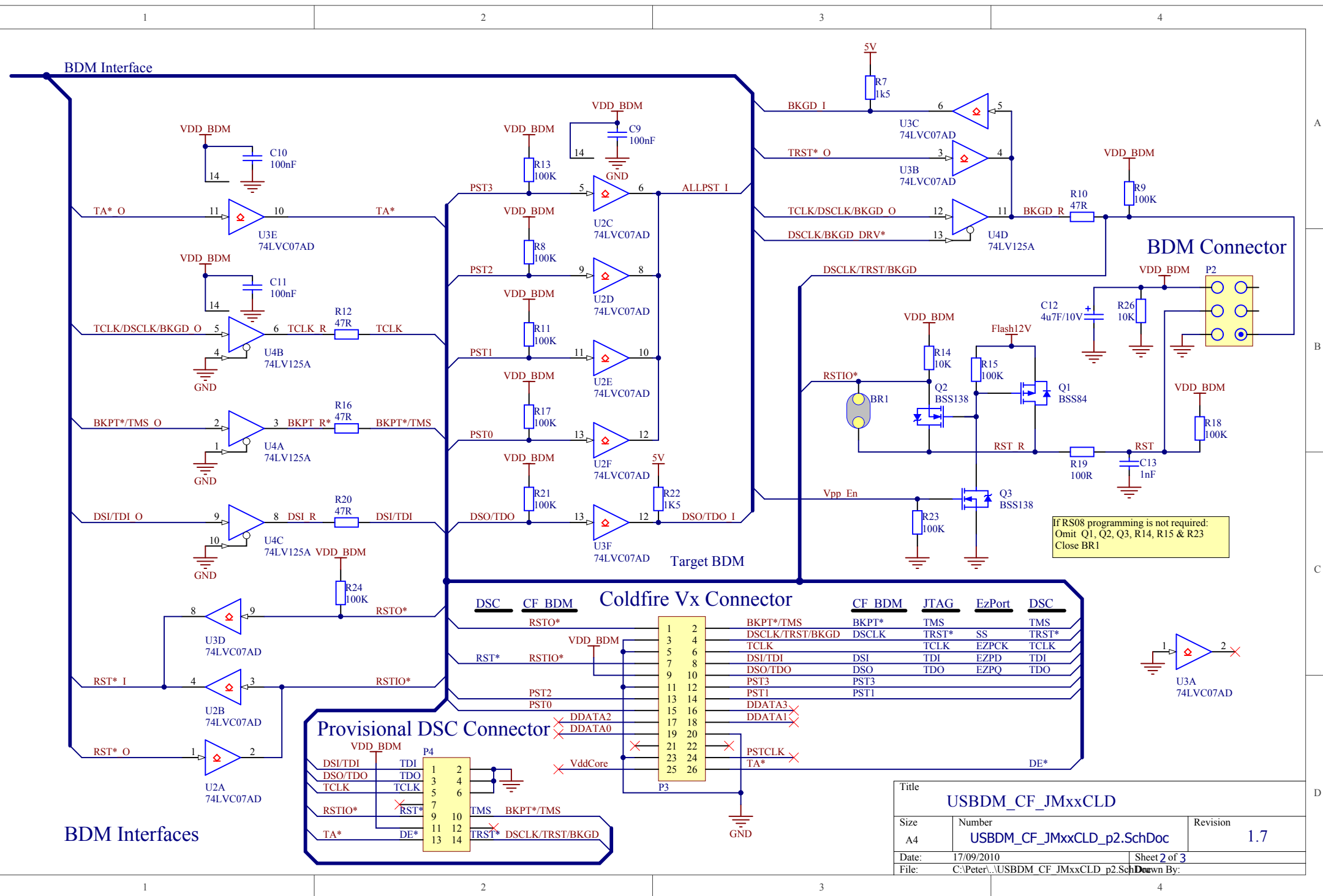
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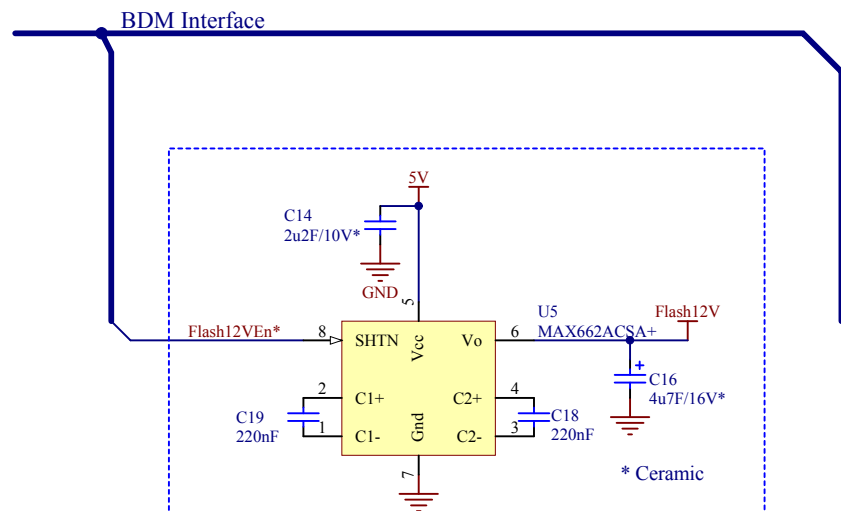
Ver 1.7 -

9



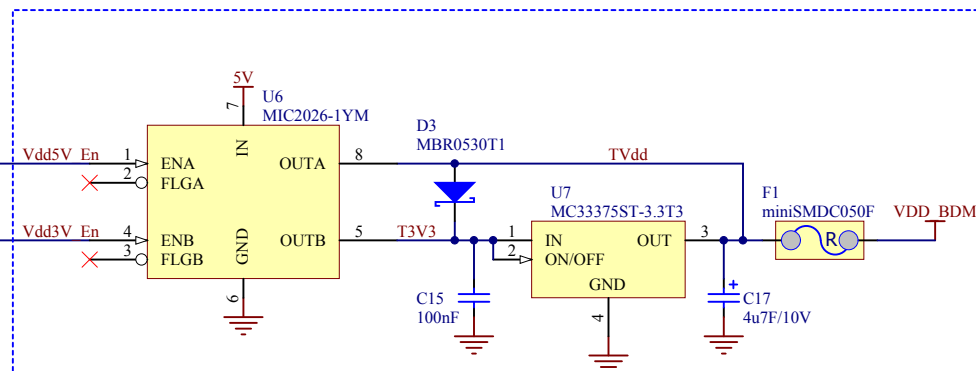
Title USBDM_CF_JMxxCLD		
Size A4	Number USBDM_CF_JMxxCLD_p1.SchDoc	Revision 1.7
Date: 17/09/2010	Sheet 1 of 3	
File: C:\Peter\USBDM_CF_JMxxCLD_p1.SchDoc	Drawn By:	





RS08 Flash Programming Supply

Omit if RS08 support is not required



Target Vdd Supply

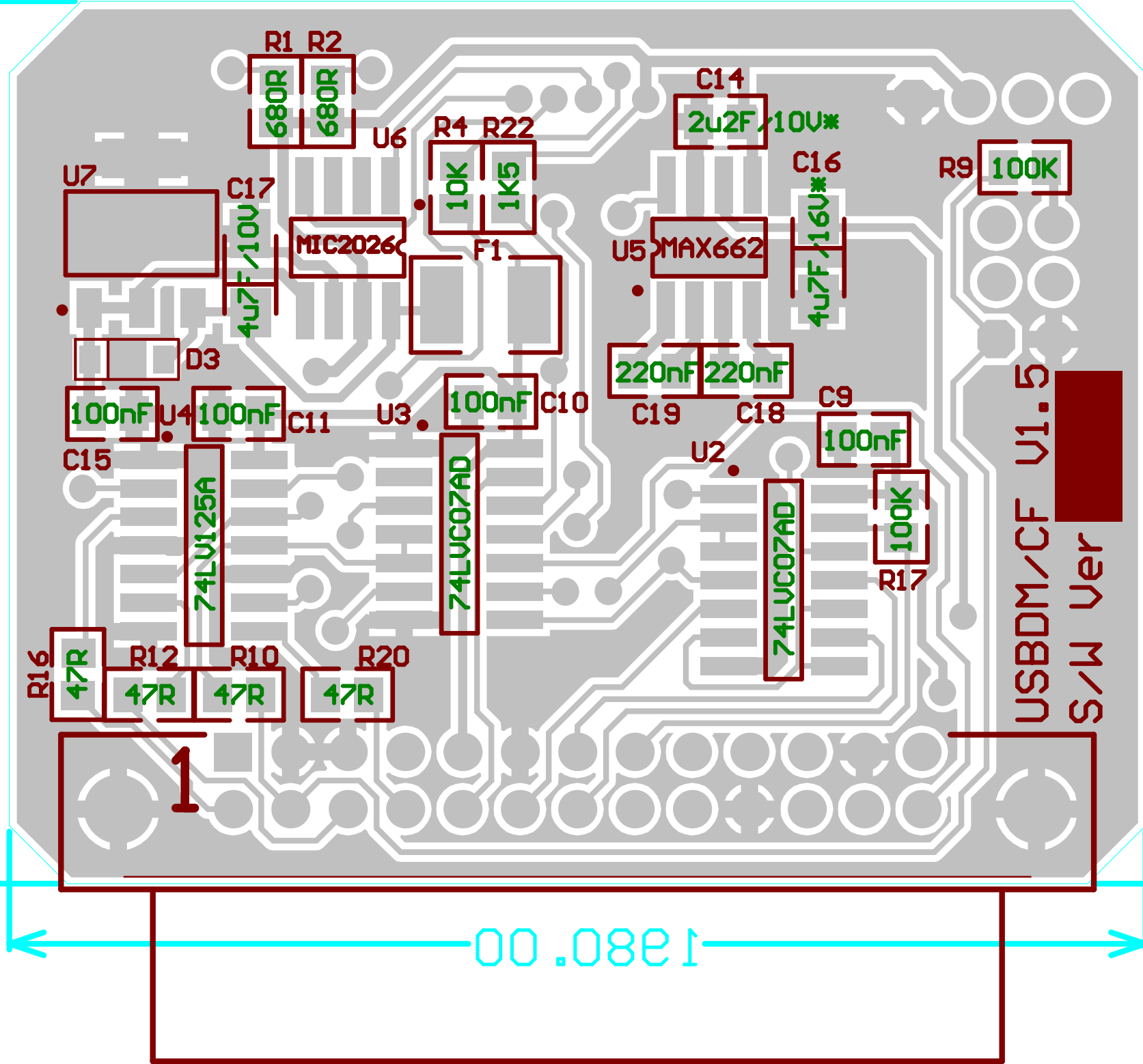
Omit if Target Vdd is not required

Signal	Port	Dir'n	Buffer	BDM	BDMCF	JTAG	EzPort	EONCE
TCLK/DSCLK/BKGD_O	PTE.7	Out	U4D Out/3-state	BKGD				
TCLK/DSCLK/BKGD_O	PTE.6/SPSCK1	Out	U4D Out		DSCLK			
TCLK/DSCLK/BKGD_O	PTE.6/SPSCK1	Out	U4B Out			TCLK	EZPCK	TCLK
TCLK/DSCLK/BKGD_O	PTB.2/SPSCK2	In	-					
DSCLK/BKGD_DRV*	PTF.5	Out	U4D_oe* (Tx)					
DSCLK/BKGD_DRV*	PTE.1	Out	U4D_oe* (Rx)					
TA_O*	PTF.4	Out	U3E Out (O/C)			TA*		DE*
TRST_O*	PTE.3	Out	U3B Out (O/C)			TRST*		TRST*
BKPT*/TMS_O	PTB.0	Out	U4A Out		BKPT*			
BKPT*/TMS_O	PTB.0/MISO2	Out	U4A Out			TMS		TMS
DSI/TDI_O	PTE.5/MOSI1	Out	U4C Out		DSI	TDI	EZPD	TDI
BKGD_I	PTE.0	In	U3C In/OC	BKGD				
BKGD_I	PTE.2/TPM1CH0	In	U3C In/OC	BKGD				
DSO/TDO_I	PTE.4/MISO1	In	U3F Out		DSO	TDO	EZPQ	TDO
RST*_I	PTF.1/TPM1CH3	In	U3D In/OC		RSTO			
RST*_I	PTF.1/TPM1CH3	In	U2B In/OC		RSTIO			RST
RST*_O	PTC.4	Out	U2A Out (O/C)	RST	RSTIO			
ALLPST	PTC.5	In	U2x In/OC x 4		PST0-4			

Title		
USBDM_CF_JMxxCLD		
Size	Number	Revision
A4	USBDM_CF_JMxxCLD_p3.SchDoc	1.7
Date:	17/09/2010	Sheet 3 of 3
File:	C:\Peter\USBDM CF JMxxCLD p3.SchDoc	

Board Outline Size 19x24

1240.00



Board Outline Size 19x24

1980.00

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↑

1980.00

15408

15408

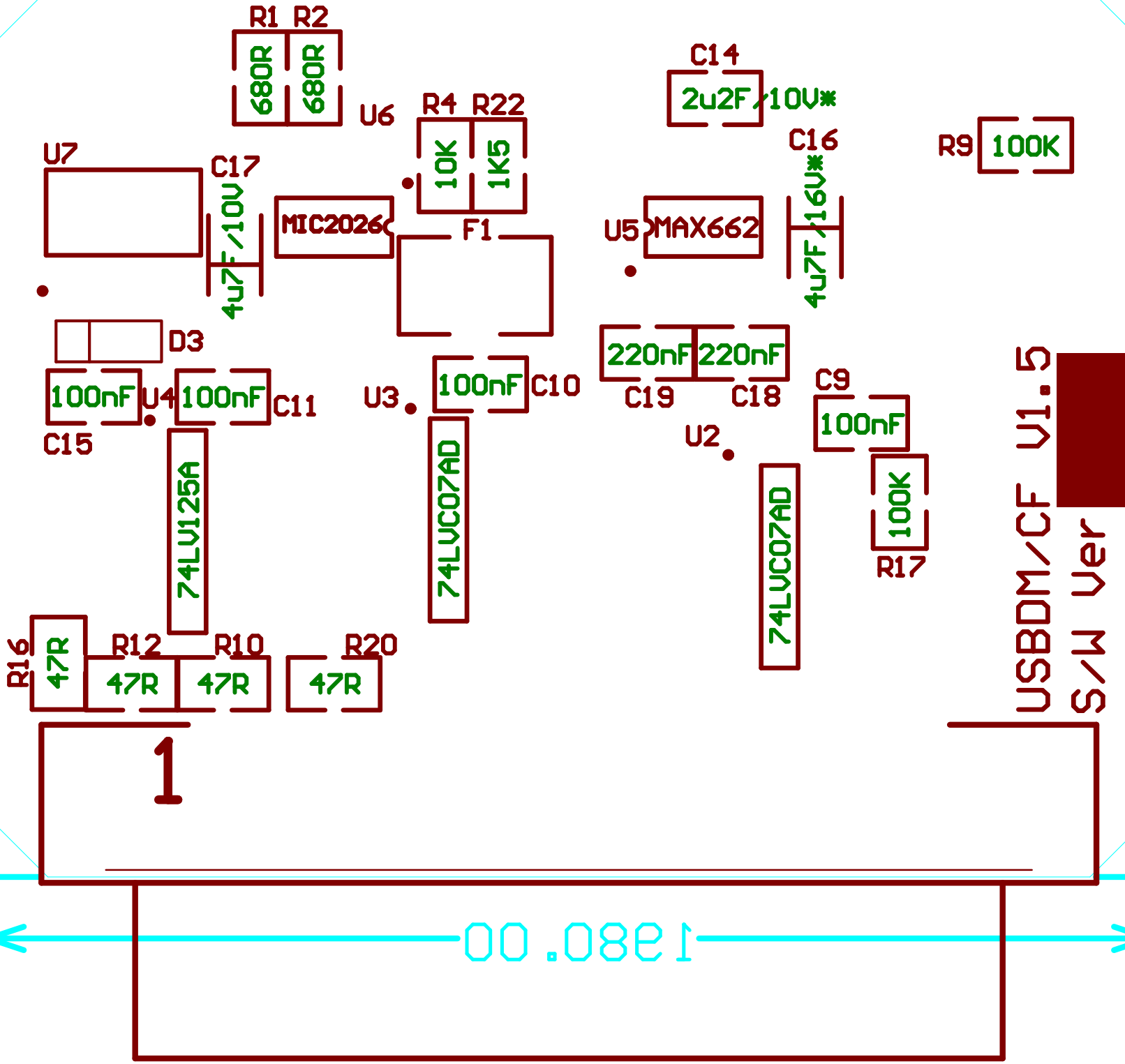
Board Outline Size Index

1240.00

1280.00

USBDM/CF V1.5

101.00



Bill of Materials	USBDM_CF_JMxxCLD
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USBDM_CF_JMxxCLD

Source Data From:		USBDM_CF_JMxxCLD.PRJPCB			
Project:		USBDM_CF_JMxxCLD.PRJPCB			
Variant:		None			
Creation Date:	17/09/2010	2:32:37 PM			
Print Date:	17-Sep-10	2:32:45 PM			

Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
HDR2X3a	Header 3x2			P2	2x3 Transition or Male Header	1
Socket R/A 2x13	Socket R/A 2x13	1034415		P3	2x13 Right Angle Socket or Male Header	1
SO-G8/E2.9	MAX662ACSA+	9724605		U5	12V Charge Pump for Flash Memory	1
CCNP2012-0805	100nF	1186187		C1, C5, C8, C9, C10, C11, C15	Capacitor SMT	7
CCNP2012-0805	18pF	1414673		C3, C4	Capacitor SMT	2
CCNP2012-0805	1nF	1362553		C13	Capacitor SMT	1
CCNP2012-0805	220nF	8820139		C18, C19	Capacitor SMT	2
CCNP2012-0805	2u2F/10V*	9402152		C14	Capacitor SMT	1
CCNP2012-0805	470nF	1288279		C7	Capacitor SMT	1
XTAL_SMT	12MHz	4667074		Y1	Crystal (SMT HC49/US)	1
CR2012-0805	FB	1515661		L1	Ferrite Bead (0805)	1
QFP80P1320X1320-44M	MC9S08JM60CLD	1562859	MC9S08JM60CLD-ND	U1	HCS08 CPU with USB, 44p QFP (0.8mm)	1
HDR2X7	Header 7X2	3816266		P4	Header, 7-Pin, Dual row	1
751A-03_M	74LVC07AD	1236300		U2, U3	Hex Buffer / Driver with Open-Collector High-Voltage Outputs	2
LED-SMT-2	LED Green	5790852		D1	LED (Green SMT)	1
LED-SMT-2	LED Red	5790839		D2	LED (Red SMT)	1
318E-04	MC33375ST-3.3T3	1150444		U7	Low Dropout 300mA Voltage Regulator with ON/OFF Control	1
SOT23-1	BSS138	1467960		Q2, Q3	N-Channel Enhancement Mode Vertical DMOS FET	2
SOT23	BSS84	1094997		Q1	P-channel Enhancement Mode Vertical D-MOSFET	1
SMT_CaseB	10uF/10V	1288264		C2	Polarized Capacitor	1
SMT_CaseA	4u7F/10V	9527737		C6, C12, C17	Polarized Capacitor	3
SMT_CaseA	4u7F/16V*	1358506		C16	Polarized Capacitor	1
CR4532-1812	miniSMDC050F	1175839		F1	Polyswitch	1
SO-G8/E2.9	MIC2026-1YM	4461964, 1517242		U6	Power Switch	1
751A-03_M	74LV125A	9592504		U4	Quad 3-State Non-Inverting Buffer (F1013776)	1
CR2012-0805	100K	9332405		R8, R9, R11, R13, R15, R17, R18, R21, R23, R24	Resistor SMT	10
CR2012-0805	100R	1632456		R19	Resistor SMT	1
CR2012-0805	10K	1638463		R4, R14, R25, R26	Resistor SMT	4
CR2012-0805	1k5	1632464		R7, R22	Resistor SMT	2
CR2012-0805	1M	?		R3	Resistor SMT	1
CR2012-0805	33R	1631399		R5, R6	Resistor SMT	2
CR2012-0805	47R	1632490		R10, R12, R16, R20	Resistor SMT	4
CR2012-0805	680R	9334785		R1, R2	Resistor SMT	2
SOD123	MBR0530T1	1126551		D3	Schottky Diode	1
USB_Mini - SMT2	USB_MINI_CONNECTOR	1363522		J1	USB Mini-B Connector	1

Approved	Notes

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