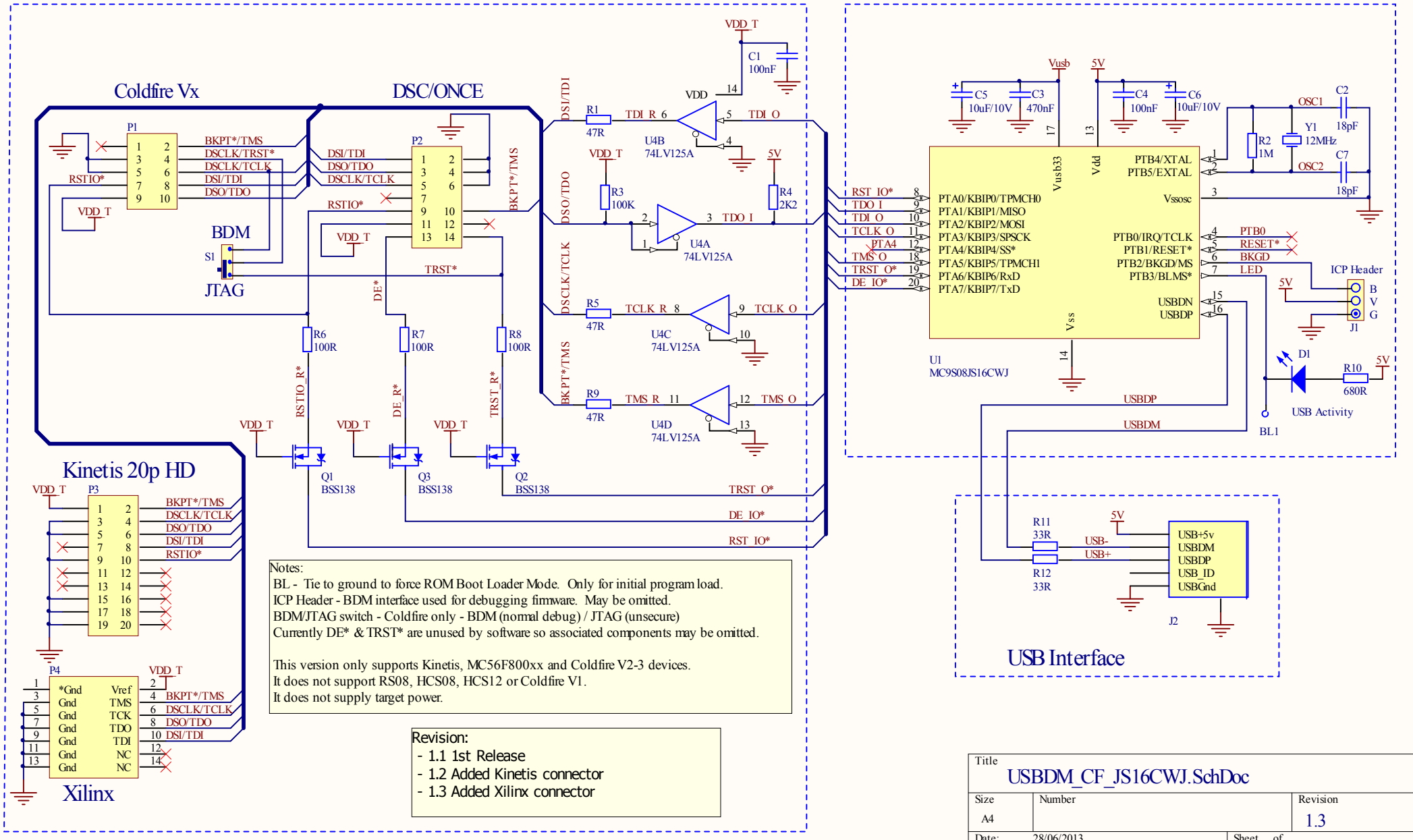
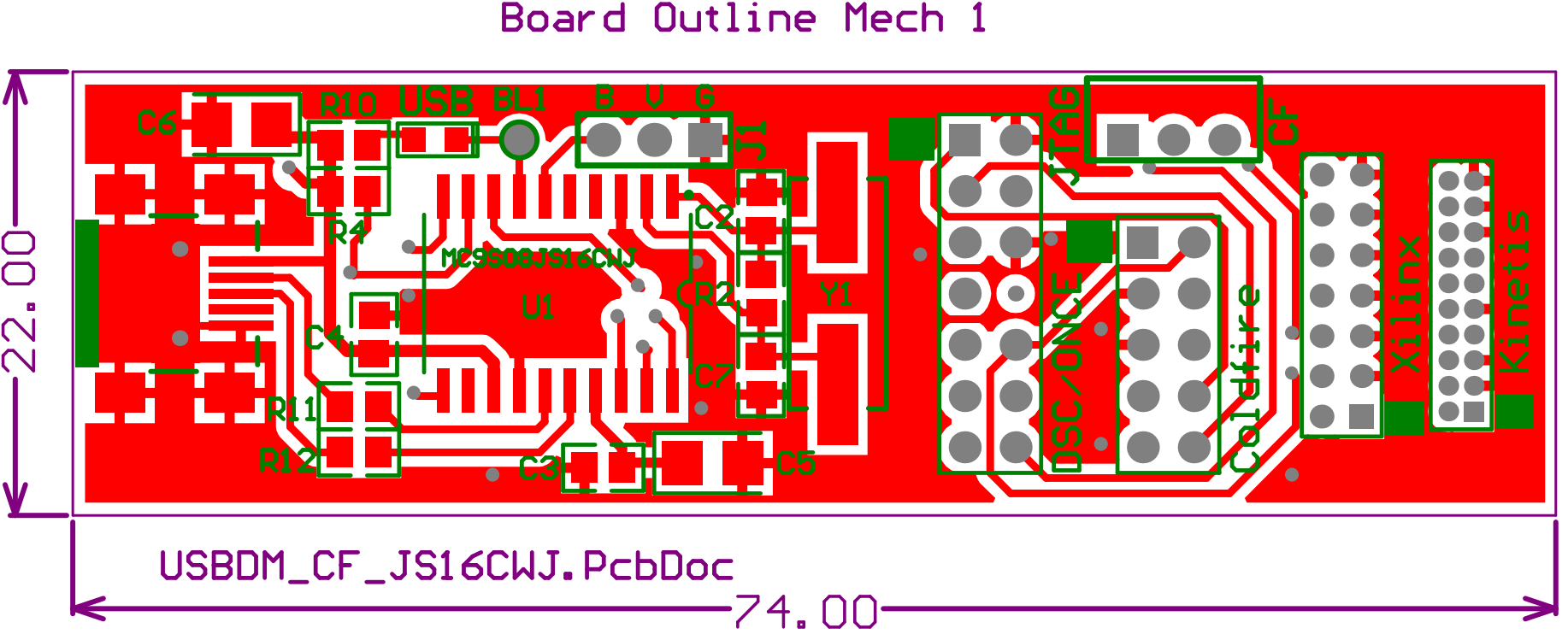


Title	USBDM_CF_JS16CWJ.SchDoc	
Size: A4	Number:	Revision: 1.3
Date: 28/06/2013		Sheet of
File: C:\Users\...\USBDM_CF_JS16CWJ.SchDoc		Drawn By:

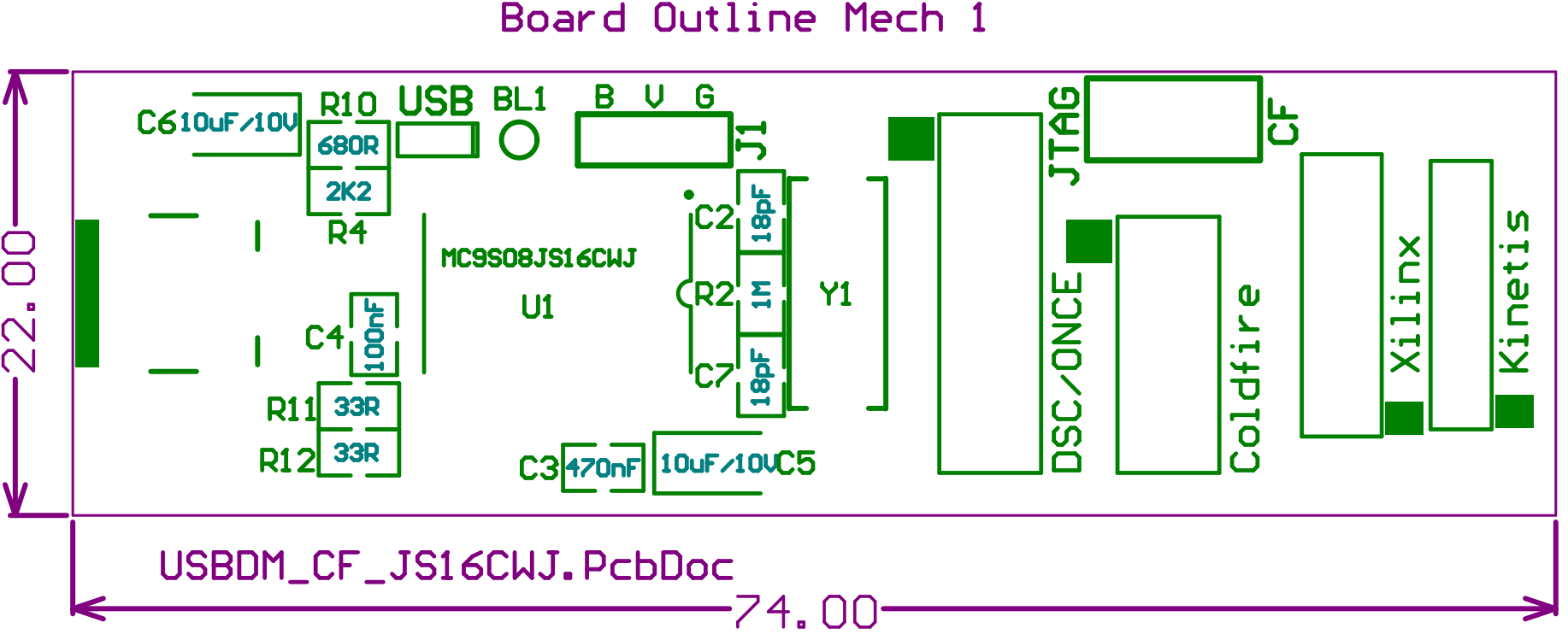

Board Outline Mech 1
22.00
74.00
USBDM_CF_JS16CWJ.PcbDoc
C6
R10
USB
BL1
B V G
J1
R4
MC9S08JS16CWJ
U1
C2
R2
Y1
C4
C7
R11
R12
C3
C5
JTAG
CF
DSC/ONCE
Coldfire
Xilinx
Kinetis

Board Outline Mech 1

22.00

USBDM_CF_JS16CWJ.PcbDoc

74.00


Board Outline Mech 1
C610uF/10V
R10
680R
2K2
R4
USB
BL1
B V G
J1
MC9S08JS16CWJ
U1
C2
18pF
R2
1M
C7
18pF
Y1
C4
100nF
R11
33R
R12
33R
C3
470nF
10uF/10V
C5
JTAG
CF
DSC/ONCE
Coldfire
Xilinx
Kinetis
22.00
USBDM_CF_JS16CWJ.PcbDoc
74.00

Board Outline Mech 1

R1
47R
R5
47R
R9
47R
R6
100R
R7
100R
R8
100R
BSS138
Q1
Q3
Q2
U4
74LV125A
C1
100nF
100K
R3
USBDM_CF_JS16CWJ V1.3

USBDM_CF_JS16CWJ.PcbDoc

Bill of Materials

USBDM_JS16_CF_SOIC20(Minimal)

Source Data From:	**USBDM_CF_JS16CWJ.PRJPCB**	
Project:	**USBDM_CF_JS16CWJ.PRJPCB**	
Variant:	**None**	
Creation Date:	28/06/2013	9:35:42 PM
Print Date:	28-Jun-13	9:35:48 PM

Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
CCNP2012-0805	100nF	8820120		C1, C4	Capacitor SMT	2
CCNP2012-0805	18pF	1414673		C2, C7	Capacitor SMT	2
CCNP2012-0805	470nF	1288279		C3	Capacitor SMT	1
TC3528-1411	10uF/10V	9527745		C5, C6	Capacitor Polarized (SMT - Case A)	2
LED-SMT-2	LED Green	5790852		D1	LED (Green SMT)	1
USB_Mini - SMT2	USB_MINI_CONNECTOR	1363522		J2	USB Mini-B Connector	1
HDR2X5	Header 5X2	8395918		P1	Header, 5-Pin, Dual row	1
HDR2X7	Header 7X2	3816266		P2	Header, 7-Pin, Dual row	1
MHDR2X10	MHDR2X10			P3	Header, 10-Pin, Dual row	1
HEADER_2x7_2mm	XilinxJTAG			P4		1
SOT23-1	BSS138	1467960		Q1, Q2, Q3	N-Channel Enhancement Mode Vertical DMOS FET	3
CR2012-0805	47R	1653007		R1, R5, R9	Resistor	3
CR2012-0805	1M	9236392		R2	Resistor SMT	1
CR2012-0805	100K	1652905		R3	Resistor	1
CR2012-0805	2K2	9334149		R4	Resistor	1
CR2012-0805	100R	1469862		R6, R7, R8	Resistor	3
CR2012-0805	680R	9334785		R10	Resistor SMT	1
CR2012-0805	33R	1631399		R11, R12	Resistor SMT	2
SW-SLIDE-MIN-PCB	SW-PCB-MIN			S1	Small PCB switch/Jumper	1
SO-G20	MC9S08JS16CWJ	1704517		U1	Microcontroller with USB	1
751A-03_N	74LV125A	9592504		U4	Quad 3-State Non-Inverting Buffer (F1013776)	1
XTAL_SMT	12MHz	1652551		Y1	Crystal (Low profile SMT)	1
						32

Approved **Notes**