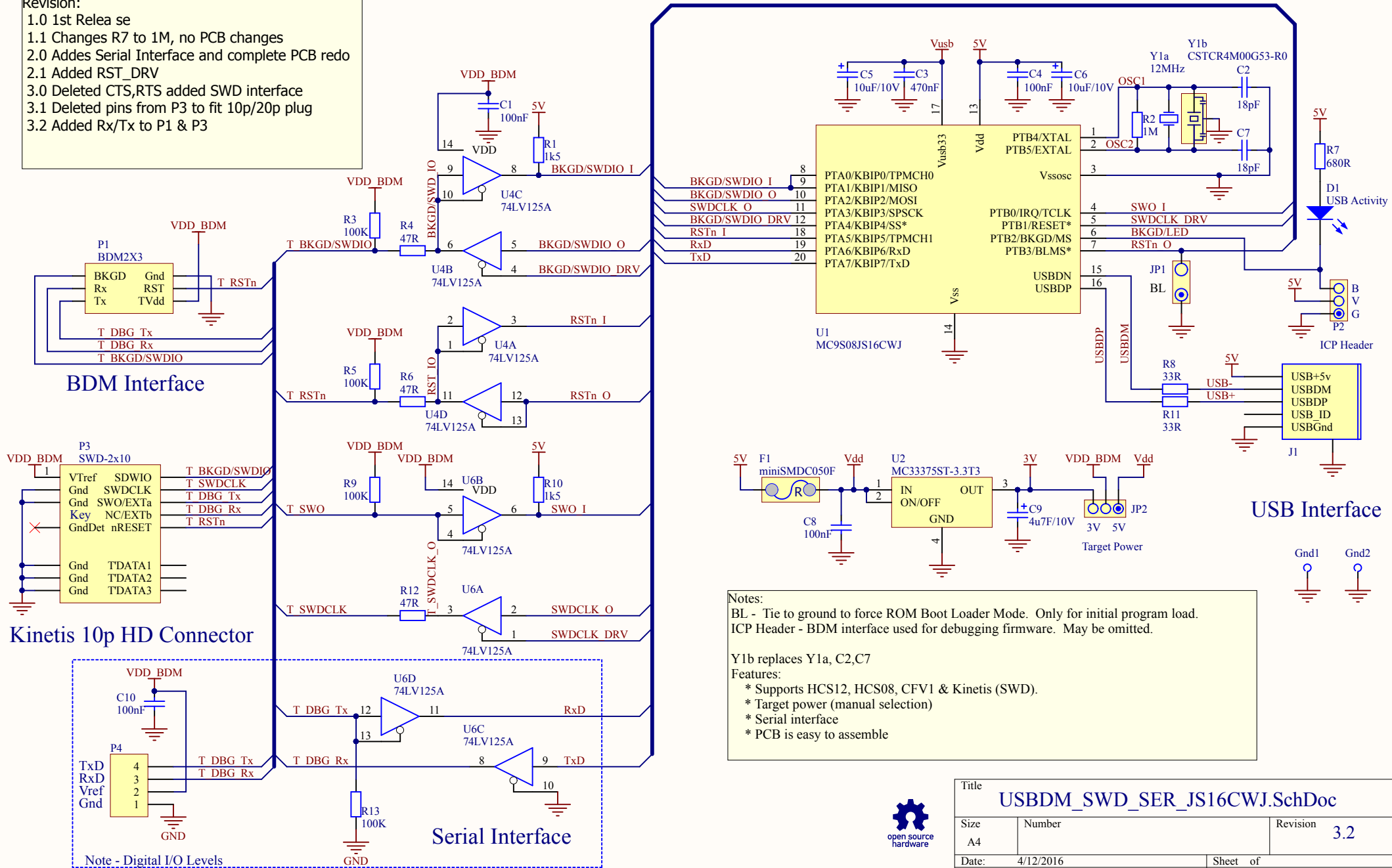


Revision:
1.0 1st Release
1.1 Changes R7 to 1M, no PCB changes
2.0 Adds Serial Interface and complete PCB redo
2.1 Added RST_DRV
3.0 Deleted CTS,RTS added SWD interface
3.1 Deleted pins from P3 to fit 10p/20p plug
3.2 Added Rx/Tx to P1 & P3



Title			USBDM_SWD_SER_JS16CWJ.SchDoc
Size	Number	Revision	
A4		3.2	
Date:	4/12/2016	Sheet of	
File:	C:\Users\... \USBDM_SWD_SER_JS16CWJ	Drawn by:	

00.05

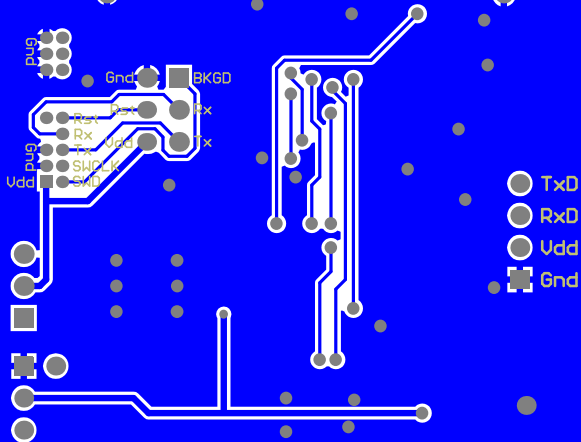


USBDM_SWD_SER_JS16CJ.PcbDoc

20DD9.1W2121.P32_Q12_M0B2U

USBDM_SWD_SER_JS16CWJ v3.2

Board Outline this layer



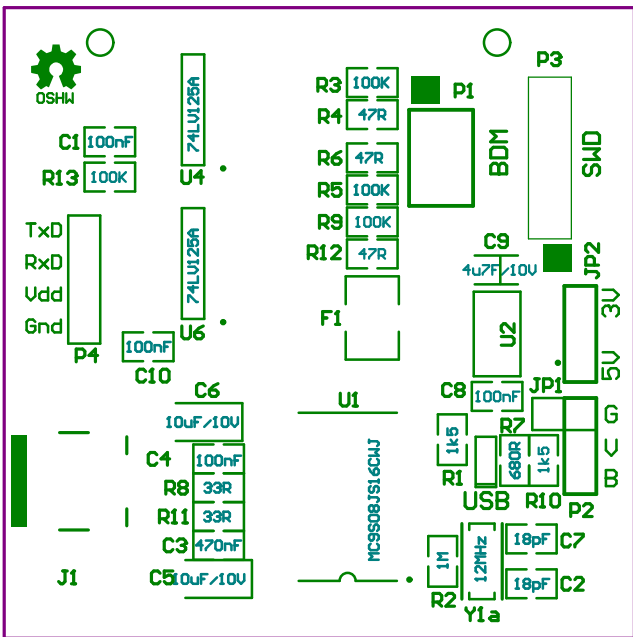
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Board Outline this layer

50.00

50.00

USBDM_SWD_SER_JS16CJ.J_PcbDoc



USBDM_SWD_SER_JS16CWJ v3.2

USBDM_SWD_SER_JS16CWJ v3.2

Udd
pug
Gnd
SWCLK
SWD
Tx
Rx
Udd
Rst
Gnd
BKGD
Tx
Rx

Gnd
Udd
RxD
TxD

20.00

20.00

Board Outline this layer

USBDM_JS16CWJ_V2

16CWJ.PRJPCB

Project:	USBDM_SWD_SER_JS16CWJ.PRJPCB
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Variant:	None
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Creation Date:	4/12/2016	2:18:36 PM
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Print Date:	04-Dec-16	2:18:45 PM
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Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
CCNP2012-0805	100nF	8820120, 8820120, 1186187, 8820120		C1, C4, C8, C10	Capacitor SMT	4
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
SMT_CaseA	4u7F/10V	9527737		C9	Polarized Capacitor	1
LED-SMT-2	LED Green	5790852		D1	LED (Green SMT)	1
CR4532-1812	miniSMDC050F	1175839		F1	Polyswitch	1
USB_Mini - SMT2	USB_MINI_CONNECTOR	1363522		J1	USB Mini-B Connector	1
HDR1X2a	PIN2X1			JP1		1
BDM	BDM2X3			P1		1
SWD-2x10 - reduced	SWD-2x10			P3	SWD Connector 2x10-Pin	1
HDR1X4	Serial			P4	Header, 4-Pin	1
CR2012-0805	1k5	1632464		R1, R10	Resistor SMT	2
CR2012-0805	1M	9236392		R2	Resistor SMT	1
CR2012-0805	100K	9332405, [NoParam], [NoParam], 1638463		R3, R5, R9, R13	Resistor SMT	4
CR2012-0805	47R	1632490		R4, R6, R12	Resistor SMT	3
CR2012-0805	680R	9334785		R7	Resistor SMT	1
CR2012-0805	33R	1631399		R8, R11	Resistor SMT	2
SO-G20	MC9S08JS16CWJ	1704517		U1	Microcontroller with USB	1
318E-04	MC33375ST-3.3T3	1150444		U2	Low Dropout 300mA Voltage Regulator with ON/OFF Control	1
751A-03_N	74LV125A	9592504		U4, U6	Quad 3-State Non-Inverting Buffer (F1013776)	2
XTAL_SMT - 5x3.2	12MHz	F1368769		Y1a	Crystal (Low profile SMT)	1
Resonator Murato	CSTCR4M00G53-R0	1170428		Y1b	4MHz Ceramic Resonator with caps	1
						36

Approved	Notes
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