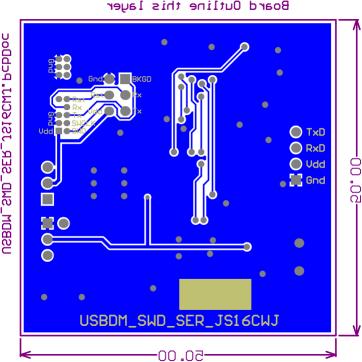
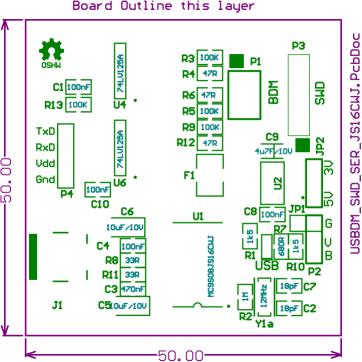
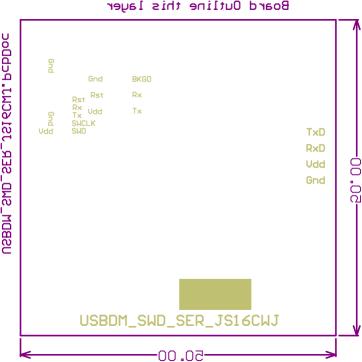


Board Outline this layer USBDM_SWD_SER_JS16CWJ.PcbDoc 50,00







Project: USBDM_SWD_SER_JS16CWJ_PRJPCB	Project: USBDM_SWD_SER_JS16CWJ_PRJPCB None	Bill of Materials				USBDM_JS16CWJ_V2			
None	None			USBDM SWD SER J	JS16CWJ.PRJPCB				
None	None								
Print Date: 4/12/2016 9.20.20 AM Print Date: 04-Dec-16 9.20.32 AM Print Date: 04-Dec-16 9.20.32 AM	Creation Date:				O TOO WO!! TOO! OB				
Print Date: O4-Dec-16 9:20:32 AM	Print Date: 04-Dec-16 9:20:32 AM			None					
Print Date: 04-Dec-16 9:20:32 AM Footprint Comment Farnell PN Digkey Designator Description Quarter	Print Date:	te:	4/12/2016	9·20·20 AM					
Footprint Comment Famell PN Digikey Designator Description Quart	Fameli PN Digikey Designator Description								
CCNP2012-0805	CCNP2012-0805 100nF 8820120, 8820120, 1186187, 8820120, 1186187, 8820120 C2, C7 Capacitor SMT CCNP2012-0805 18pF 1414673 C2, C7 Capacitor SMT CCNP2012-0805 470nF 1288279 C3 Capacitor SMT CSS28-1411 10uF/10V 9527745 C5, C6 Capacitor Folarized (SMT - Case A) SMT CaseA 4uFF10V 9527737 Q9 Polarized Capacitor LED SMT-2 LED Green 5790852 D1 LED (Green SMT) CR84932-1812 minisMDC050F 1178839 F1 P1 LUSB Mini - SMT2 USB MINI CONNECTOR 1363522 J1 USB Mini - BMT2		04 860 10	0.20.02 / WI					
1186187, 8820120	1186187, 8820120		Comment	Farnell PN	Digikey	Designator	Description	Quantity	
CCNP2012-0805	CCNP2012-0805	2-0805	100nF	8820120, 8820120,		C1, C4, C8, C10	Capacitor SMT	4	
CCNP2012-0805	CCNP2012-0805			1186187, 8820120		<u> </u>	·		
TC3528-1411 10uF/10V 9527745 C.S. C6 Capacitor Polarized (SMT - Case A) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TC3528-1411 10uF/10V 9527745 C5, C6 Capacitor Polarized (SMT - Case A)	2-0805						2	
SMT CaseA 4u7F/10V 9527737 C9 Polarized Capacitor 1 1 1 1 1 1 1 1 1	SMT Case Au7F/10V S527737 C9 Polarized Capacitor LED (Green S790852 D1 LED (Green SMT)		470nF			C3		1	
LED Green 5790852	LED Green 5790852 D1 LED (Green SMT)							2	
CR4532-1812	Page	eA .	4u7F/10V	9527737		C9	Polarized Capacitor	1	
USB_MINI_CONNECTOR 1363522	USB_MINI_CONNECTOR 1363522		LED Green				LED (Green SMT)	1	
HDR1X2a	HDR1X2a	812		1175839		F1	Polyswitch	1	
BDM2X3 P1 SWD-2x10 P3 SWD Connector 2x10-Pin 1 1 1 1 1 1 1 1 1	BDM BDM2X3 P1 SWD Cx10 - reduced SWD Cx10 P3 SWD Connector 2x10-Pin	- SMT2	USB_MINI_CONNECTOR	1363522		J1	USB Mini-B Connector	1	
SWD-2x10 P3 SWD Connector 2x10-Pin 1	SWD-2x10 P3 SWD Connector 2x10-Pin					JP1		1	
P4	P4		BDM2X3			P1		1	
Residence	Resistor SMT Resi) - reduced	SWD-2x10			P3	SWD Connector 2x10-Pin	1	
R2 Resistor SMT 10K 9236392 R2 R3, R5, R9, R13 Resistor SMT 4 4 4 4 4 4 4 4 4	R2 Resistor SMT		Serial				Header, 4-Pin	1	
CR2012-0805	R2012-0805 100K 9332405, [NoParam], [NoParam], [NoParam], 1638463 R3, R5, R9, R13 Resistor SMT	805	1k5			R1, R10	Resistor SMT	2	
CR2012-0805	CR2012-0805 100K 9332405, [NoParam], [NoParam], [NoParam], 1638463 R3, R5, R9, R13 Resistor SMT	805	1M	9236392		R2	Resistor SMT	1	
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	CR2012-0805 47R 1632490 R4, R6, R12 Resistor SMT CR2012-0805 680R 9334785 R7 Resistor SMT CR2012-0805 33R 1631399 R8, R11 Resistor SMT SO-G20 MC9S08JS16CWJ 1704517 U1 Microcontroller with USB 318E-04 MC33375ST-3.3T3 1150444 U2 Low Dropout 300mA Voltage Regulator with ON/OFF Control 751A-03_N 74LV125A 9592504 U4, U6 Quad 3-State Non-Inverting Buffer (F1013776) XTAL_SMT - 5x3.2 12MHz F1368769 Y1a Crystal (Low profile SMT) Resonator Murato CSTCR4M00G53-R0 1170428 Y1b 4MHz Ceramic Resonator with caps	805	100K	9332405, [NoParam],		R3, R5, R9, R13	Resistor SMT	4	
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	CR2012-0805 680R 9334785 R7 Resistor SMT CR2012-0805 33R 1631399 R8, R11 Resistor SMT SO-G20 MC9S08JS16CWJ 1704517 U1 Microcontroller with USB 318E-04 MC33375ST-3.3T3 1150444 U2 Low Dropout 300mA Voltage Regulator with ON/OFF Control 751A-03_N 74LV125A 9592504 U4, U6 Quad 3-State Non-Inverting Buffer (F1013776) XTAL_SMT - 5x3.2 12MHz F1368769 Y1a Crystal (Low profile SMT) Resonator_Murato CSTCR4M00G53-R0 1170428 Y1b 4MHz Ceramic Resonator with caps	805	47R			R4, R6, R12	Resistor SMT	3	
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	CR2012-0805 33R 1631399 R8, R11 Resistor SMT SO-G20 MC9S08JS16CWJ 1704517 U1 Microcontroller with USB 318E-04 MC33375ST-3.3T3 1150444 U2 Low Dropout 300mA Voltage Regulator with ON/OFF Control 751A-03_N 74LV125A 9592504 U4, U6 Quad 3-State Non-Inverting Buffer (F1013776) XTAL_SMT - 5x3.2 12MHz F1368769 Y1a Crystal (Low profile SMT) Resonator_Murato CSTCR4M00G53-R0 1170428 Y1b 4MHz Ceramic Resonator with caps	805		9334785		R7		1	
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	SO-G20 MC9S08JS16CWJ 1704517 U1 Microcontroller with USB 318E-04 MC33375ST-3.3T3 1150444 U2 Low Dropout 300mA Voltage Regulator with ON/OFF Control 751A-03_N 74LV125A 9592504 U4, U6 Quad 3-State Non-Inverting Buffer (F1013776) XTAL_SMT - 5x3.2 12MHz F1368769 Y1a Crystal (Low profile SMT) Resonator_Murato CSTCR4M00G53-R0 1170428 Y1b 4MHz Ceramic Resonator with caps	805						2	
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	MC33375ST-3.3T3					U1	Microcontroller with USB	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	751A-03_N 74LV125A 9592504 U4, U6 Quad 3-State Non-Inverting Buffer (F1013776) XTAL_SMT - 5x3.2 12MHz F1368769 Y1a Crystal (Low profile SMT) Resonator Murato CSTCR4M00G53-R0 1170428 Y1b 4MHz Ceramic Resonator with caps		MC33375ST-3.3T3	1150444		U2	Low Dropout 300mA Voltage Regulator with ON/OFF Control	1	
Resonator_Murato CSTCR4M00G53-R0 1170428 Y1b 4MHz Ceramic Resonator with caps 1	Resonator_Murato CSTCR4M00G53-R0 1170428 Y1b 4MHz Ceramic Resonator with caps		74LV125A			U4, U6		2	
36		T - 5x3.2	12MHz	F1368769			Crystal (Low profile SMT)	1	
	Approved Notes Samuel S	Murato	CSTCR4M00G53-R0	1170428		Y1b	4MHz Ceramic Resonator with caps	1	
	TOUES INCIES			Notes				36	
				NOTES					