









Project: USBDM_SWD_JS16CWJ_PRJPCB None	Bill of Mate	erials		USBDM_SOIC20_JS16(Minimal)			
None			USBDM_SWD_JS160	CWJ.PRJPCB			
None			USBDM SWD JS160	CWJ.PRJPCB			
Print Date: 08-Jan-17 3:52:34 PM	•						
Print Date: 08-Jan-17 3:52:34 PM							
Footprint Comment Famell PN Digikey Designator Description Qualifornia	Creation Date:	8/01/2017	3:52:25 PM				
CCNP2012-0805 470nF 1288279 C1 Capacitor SMT CCNP2012-0805 100nF 8820120, 8820120, 1186187 CC3216-1206 10uF/10V 9527745 C3, C4 Capacitor SMT CCNP2012-0805 13pF 1414673 C5, C7 Capacitor SMT CCNP2012-0805 11pF CCNP2012-0805 11pF CS, C7 Capacitor SMT 0805 CCNP2012-0805 4u7/6V CS, C7 Capacitor SMT 0805 CCNP2012-0805 4u7/6V CS, C7 Capacitor SMT 0805 CCNP2012-0805 CA, C7 CAPACITOR SMT 0805 CAPA	Print Date:	08-Jan-17	3:52:34 PM				
CCNP2012-0805 470nF 1288279 C.1 Capacitor SMT CCNP2012-0805 100nF 8820120, 8820120, C.2, C.6, C.9 Capacitor SMT CCNP2012-0805 100nF 8820120, 8820120, C.2, C.6, C.9 Capacitor SMT CC3216-1206 10uF/10V 9527745 C.3, C.4 Capacitor Polarized (SMT - Case A) CCNP2012-0805 13pF 1414673 C.5, C.7 Capacitor SMT CCNP2012-0805 1uF C.8 Capacitor SMT 0805 CCNP2012-0805 4u7/6V C.8 Capacitor SMT 0805 CCNP2012-0805 4u7/6V C.8 Capacitor SMT 0805 CCNP2012-0805 4u7/6V C.9 C.0 Capacitor SMT 0805 CCNP2012-0805 4u7/6V C.9 C.0 Capacitor SMT 0805 CCNP2012-0805 Au7/6V C.9 C.0 Capacitor SMT 0805 CCNP2012-0805 Au7/6V C.9 C.0 Capacitor SMT 0805 CCNP2012-0805 Au7/6V C.9 C.0 C.9 Capacitor SMT 0805 CCNP2012-0805 Au7/6V C.9 C.0 C.9 Capacitor SMT 0805 CCNP2012-0805 Au7/6V C.9 C.0 C.9 C.0 C.0 C.9 C.0	Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
CCNP2012-0805 100nF	<u> </u>			3 7	•	· · · · · · · · · · · · · · · · · · ·	1
CG216-1206			8820120, 8820120,			•	3
CCNP2012-0805 18pF	CC3216-1206	10uF/10V			C3. C4	Capacitor Polarized (SMT - Case A)	2
CCNP2012-0805					C5. C7		2
CCNP2012-0805			1				1
LED 2012-0805-GREEN LED Green 5790852 D1 LED 0805 Green FPTC4532-1812 MINISMDC050F-2 1175839 F1 PolySwitch miniSMDC Series, 500 mA, 1 A, 24 VDC VSB Mini - SMT2 USB Mini - SMT3 USB Mini - SMT4 USB Mini							1
PTC4532-1812			5790852				1
USB_Mini - SMT2							1
HDR1X2S PIN2X1							1
Header 1x3 (2mm) HCS12 (2mm)			.0000=		JP1		1
SWD-2x10 - reduced SWD-2x10 1865289 P1 SWD Connector 2x10-Pin BDM BDM2X3 P2 HCS12 BDM connector CR2012-0805 1k5 1632464 R1 Resistor SMT CR2012-0805 1M 9236392 R2 Resistor SMT CR2012-0805 100K 9334205 R3, R6, R8 Resistor SMT CR2012-0805 47R 1632490 R4, R7, R9 Resistor SMT CR2012-0805 680R 9334785 R5 Resistor SMT CR2012-0805 33R 1631399 R10, R11 Resistor SMT SO-14 L SN74LV125AD 9592504 296-1674-5-ND U1 Quad 3-state Buffer SO-G20 MC9908JS16CWJ 1704517 U2 Microcontroller with USB SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ						Header, 1x3, 2mm	1
BDM BDM2X3			1865289				1
CR2012-0805 1k5 1632464 R1 Resistor SMT CR2012-0805 1M 9236392 R2 Resistor SMT CR2012-0805 100K 9332405 R3, R6, R8 Resistor SMT CR2012-0805 47R 1632490 R4, R7, R9 Resistor SMT CR2012-0805 680R 9334785 R5 Resistor SMT CR2012-0805 33R 1631399 R10, R11 Resistor SMT CR2012-0805 37 N74LV125AD 9592504 296-1674-5-ND U1 Quad 3-state Buffer SO-G20 MC9S08JS16CWJ 1704517 U2 Microcontroller with USB SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ							1
CR2012-0805 1M 9236392 R2 Resistor SMT CR2012-0805 100K 9332405 R3, R6, R8 Resistor SMT CR2012-0805 47R 1632490 R4, R7, R9 Resistor SMT CR2012-0805 680R 9334785 R5 Resistor SMT CR2012-0805 33R 1631399 R10, R11 Resistor SMT SO-14 L SN74LV125AD 9592504 296-1674-5-ND U1 Quad 3-state Buffer SO-G20 MC9S08JS16CWJ 1704517 U2 Microcontroller with USB SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ			1632464				1
CR2012-0805 100K 9332405 R3, R6, R8 Resistor SMT CR2012-0805 47R 1632490 R4, R7, R9 Resistor SMT CR2012-0805 680R 9334785 R5 Resistor SMT CR2012-0805 33R 1631399 R10, R11 Resistor SMT SO-14_L SN74LV125AD 9592504 296-1674-5-ND U1 Quad 3-state Buffer SO-G20 MC9S08JS16CWJ 1704517 U2 Microcontroller with USB SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ	CR2012-0805		9236392			Resistor SMT	1
CR2012-0805 47R 1632490 R4, R7, R9 Resistor SMT CR2012-0805 680R 9334785 R5 Resistor SMT CR2012-0805 33R 1631399 R10, R11 Resistor SMT SO-14_L SN74LV125AD 9592504 296-1674-5-ND U1 Quad 3-state Buffer SO-G20 MC9S08JS16CWJ 1704517 U2 Microcontroller with USB SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ			9332405				3
CR2012-0805 680R 9334785 R5 Resistor SMT CR2012-0805 33R 1631399 R10, R11 Resistor SMT SO-14_L SN74LV125AD 9592504 296-1674-5-ND U1 Quad 3-state Buffer SO-G20 MC9S08JS16CWJ 1704517 U2 Microcontroller with USB SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ							3
CR2012-0805 33R 1631399 R10, R11 Resistor SMT SO-14_L SN74LV125AD 9592504 296-1674-5-ND U1 Quad 3-state Buffer SO-G20 MC9S08JS16CWJ 1704517 U2 Microcontroller with USB SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ							1
SO-14 L SN74LV125AD 9592504 296-1674-5-ND U1 Quad 3-state Buffer SO-G20 MC9S08JS16CWJ 1704517 U2 Microcontroller with USB SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ							2
SO-G20 MC9S08JS16CWJ 1704517 U2 Microcontroller with USB SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ 3 3				296-1674-5-ND			1
SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control XTAL_SMT - 5x3.2 CX5032GB12000H0PESZZ 1368769 Y1 AVX CRYSTAL, SM, CX-53F, 12MHZ 3 3	SO-G20	MC9S08JS16CWJ			U2	Microcontroller with USB	1
XTAL_SMT - 5x3.2							1
		CX5032GB12000H0PESZZ	1368769				1
	Approved		Notes				32
							