









Project:   USBDM_SWD_JS16CWJ.PRJPCB   None	Bill of Mate	rials		USBDM_SOIC20	USBDM_SOIC20_JS16(Minimal)			
None	Source Data From: USBDM_SWD_		USBDM_SWD_JS160	CWJ.PRJPCB				
None     None	Proiect:		USBDM SWD JS16CWJ.PRJPCB					
Print Date: 20-Jan-17 1:22:58 PM   Digitor   Description	Variant:		None					
Print Date: 20-Jan-17 1:22:58 PM   Digitor   Description								
Footprint Comment Farnell PN Digikey Designator Description  CCNP2012-0805 470nF 1288279 C1 Capacitor SMT  CCNP2012-0805 100nF 8820120, 820120, 1188187  CC3216-1206 10uF/10V 9527745 C3, C4 Capacitor SMT  CCNP2012-0805 18pF 1414673 C5, C7 Capacitor SMT  CCNP2012-0805 11pF C8 C8 Capacitor SMT  CRNP2012-0805 11pF C8 C8 Capacitor SMT  CRNP2012-0805 11pF C8 C8 Capacitor SMT 0805  CCNP2012-0805 11pF C8 C8 Capacitor SMT 0805  CCNP2012-0805 11pF C8 C8 Capacitor SMT 0805  CCNP2012-0805 11pF C9 C10 Capacitor SMT 0805  CCNP2012-0805 4u7/6V C10 C2pacitor SMT C2pacitor SM								
CCNP2012-0805 470nF 1288279 C1 Capacitor SMT  CCNP2012-0805 100nF 8820120, 8820120, 11868187  CC3216-1206 10uF/10V 9527745 C3, C4 Capacitor SMT  CCNP2012-0805 18pF 1414673 C5, C7 Capacitor SMT  CCNP2012-0805 10uF CCNP2012-0805 10uF C8 Capacitor SMT 0805  CCNP2012-0805 14uF C8 Capacitor SMT 0805  CCNP2012-0805 4u7/6V C10 C2pacitor SMT 0805  CCNP2012-0805 4u7/6V C10 C2pacitor SMT 0805  CCNP2012-0805 4u7/6V C10 C2pacitor SMT 0805  CCNP2012-0805 GREEN LED Green 5790852 D1 LED 0805 Green PTC4532-1812 MINISMDC050F-2 1175839 F1 Polyswitch miniSMDC Series, 500 mA, 1 A, 24 VDC  MOLEX - 47346-0001 USB MICRO B CONNECTOR 1568026 J1 USB MICRO B CONNECTOR B CANNECTOR B CONNECTOR B CANNECTOR B	Print Date:	20-Jan-17	1:22:58 PM					
CCNP2012-0805   100nF	Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity	
1186187	CCNP2012-0805	470nF	1288279			Capacitor SMT	1	
CC3216-1206   10uF/10V   9527745   C3, C4   Capacitor Polarized (SMT - Case A)	CCNP2012-0805	100nF			C2, C6, C9	Capacitor SMT	3	
CCNP2012-0805   18pF	CC3216-1206	10uF/10V			C3, C4	Capacitor Polarized (SMT - Case A)	2	
CCNP2012-0805					C5, C7	, , ,	2	
CCNP2012-0805   4u7/6V							1	
LED Green   S790852							1	
PTC4532-1812 MINISMDC050F-2 1175839 F1 PolySwitch miniSMDC Series, 500 mA, 1 A, 24 VDC MOLEX - 47346-0001 USB MICRO B CONNECTOR 1568026 J1 USB Micro-B Connector Header 1x3 (2mm) Header 1x3 2mm JP1 Header 1x3 2mm SWD-2x10 1865289 P1 SWD Connector 2x10-Pin SWD Connector 2x10-Pin BDM2x3 P2 HCS12 BDM connector 2x10-Pin BDM2x3 P2 HCS12			5790852				1	
MOLEX - 47346-0001	PTC4532-1812	MINISMDC050F-2	1175839		F1	PolySwitch miniSMDC Series, 500 mA, 1 A, 24 VDC	1	
Header 1x3 (2mm)	MOLEX - 47346-0001	USB MICRO B CONNECTOR	1568026		J1		1	
Header 1x3 (2mm)   Header 1x3 2mm   SWD-2x10   1865289   P1   SWD Connector 2x10-Pin					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         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         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	Header 1x3 (2mm)	Header 1x3 2mm				Header, 1x3, 2mm	1	
BDM2X3			1865289				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	BDM	BDM2X3			P2	HCS12 BDM connector	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	CR2012-0805	1k5	1632464			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	CR2012-0805	1M	9236392		R2	Resistor SMT	1	
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						Resistor SMT	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		47R			R4, R7, R9	Resistor SMT	3	
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		680R			R5	Resistor SMT	1	
SO-G20         MC9S08JS16CWJ         1704517         U2         Microcontroller with USB           SOT223         MC33375ST-3.3T3         1150444         U3         Low Dropout 300mA Voltage Regulator with ON/OFF Control	CR2012-0805		1631399		R10, R11	Resistor SMT	2	
SOT223 MC33375ST-3.3T3 1150444 U3 Low Dropout 300mA Voltage Regulator with ON/OFF Control		SN74LV125AD	9592504	296-1674-5-ND			1	
	SO-G20	MC9S08JS16CWJ	1704517				1	
XTAL_SMT - 5x3.2   CX5032GB12000H0PESZZ   1368769   Y1   AVX CRYSTAL, SM, CX-53F, 12MHZ							1	
	XTAL_SMT - 5x3.2	CX5032GB12000H0PESZZ	1368769		Y1	AVX CRYSTAL, SM, CX-53F, 12MHZ	1 32	
Approved Notes	Approved		Notes				32	
						1		