







Variant: None Int/06/2011 11:36:56 PM Print Date: 11:/un-11 11:36:59 PM Int/06/2011 11:36:59 PM Frootprint Comment Farrell PN Digikey Designator Description Quantity CONP2012-0805 100nF 8820120 C1, C4, C8 Capacitor SMT 3 CONP2012-0805 470nF 1288279 C3 Capacitor SMT 1 CONP2012-0805 470nF 1288279 C3 Capacitor SMT 1 10F2X2 10F10V 952745 C5, C6 Capacitor SMT 1 10F2X2 14 ED Green 5790852 D1 LED Green SMT) 1 10F2X2 14 Header 2X2 J1 14 Header, 2-Pin, Dual row 1 10F2X2 15 Header 3 188909 P1 2x3 Transition or male header 1 10F1X8 16 Header 6 P2 14 Header, 3-Pin 1 10F1X9 18 Header 3 P3 14 Header, 3-Pin 1 10F2012-0805 11K5 1	Bill of Mat	CI I a I 3		USBDM_JS10	JOIIO_12		
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Variant: None Int/66/2011 11:36:56 PM Print Date: 11:Jun-11 11:36:59 PM Introduct Int	Project:		USBDM SER JS160	WJ.PRJPCB			
Print Date: 11-Jun-11 11:36:59 PM Digikey Designator Description Description Quantity	•						
Print Date: 11-Jun-11 11:36:59 PM Footprint Comment Farrell PN Digikey Designator Description Quantity	Creation Date:	11/06/2011	11:36:56 PM				
CCNP2012-0805 100nF 8820120 C1, C4, C8 Capacitor SMT 3 3 CCNP2012-0805 18pF 1414673 C2, C7 Capacitor SMT 2 2 CCNP2012-0805 470nF 1288279 C3 Capacitor SMT 1 1 1 1 1 1 1 1 1		11-Jun-11					
CCNP2012-0805 18pF 1414673 C2_ C7 Capacitor SMT 2 CCNP2012-0805 470nF 1288279 C3 Capacitor SMT 1 CCSD2012-0805 470nF 1288279 C3 Capacitor SMT 1 LED-SMT-2 LED Green 5790852 D1 LED (Green SMT) 1 HDR2X2 Header 2X2 J1 Header 2X2 J1 LED (Green SMT) 1 USB_MINI_CONNECTOR 1363522 J2 USB Mini-B Connector 1 1 HDR1X3 Transition 3x2 1188909 P1 2x3 Transition or male header 1 1 HDR1X3 Header 6 P2 Header, 8-Pin 1	Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
CCNP2012-0805 470nF 1288279 C3 Capacitor SMT 1 1 1 1 1 1 1 1 1					C1, C4, C8		
C3528-1411 10uF/10V 9527745 C5, C6 Capacitor Polarized (SMT - Case A) 2							
LED Green 5790852 D1 LED Green SMT) 1 HDR2X2 Header 2X2 J1 Header, 2-Pin, Dual row 1 USB_MINI_CONNECTOR 1363522 J2 USB Mini-B Connector 1 HDR2X3 Transition 3x2 1188909 P1 2x3 Transition or male header 1 HDR1X6 Header 6 P2 Header, 6-Pin 1 HDR1X3 Header 3 P3 Header, 3-Pin 1 CR2012-0805 1k5 1632464 R1 Resistor SMT 1 CR2012-0805 1M 9236392 R2 Resistor SMT 1 CR2012-0805 1M 9236392 R2 Resistor SMT 1 CR2012-0805 10K 1469862, 9332405 R3, R6, R10, R11 Resistor, Resistor SMT 2 CR2012-0805 47R 1632490 R4, R7 Resistor, SMT 2 CR2012-0805 680R 9334785 R5 Resistor SMT 1 CR2012-0805 33R 1631399 R8, R9 Resistor SMT 2 SO-G20 MC9S08JS16CWJ 1704517							
Header 2X2							2
USB_MINI_CONNECTOR 1363522 J2			5790852				1
HDR2X3							1
Header 6					J2		1
P3			1188909				1
CR2012-0805 1K5 1632464 R1 Resistor SMT 1 CR2012-0805 1M 9236392 R2 Resistor SMT 1 CR2012-0805 100K 1469862, 9332405 R3, R6, R10, R11 Resistor, Resistor SMT 4 CR2012-0805 47R 1632490 R4, R7 Resistor SMT 2 CR2012-0805 680R 9334785 R5 Resistor SMT 1 CR2012-0805 33R 1631399 R8, R9 Resistor SMT 2 SO-G200 MC9S08JS16CWJ 1704517 U1 Microcontroller with USB 1 SO-G20 MC9S08JS16CWJ 1704517 U4, U6 Quad 3-State Non-Inverting Buffer (F1013776) 2 CR212-SMT - 5x3.2 12MHz F1368769 Y1 Crystal (Low profile SMT) 1 SOT23 PESD5V0S2UAT 8737738 Z1 Dual Unipolar Protection Device (5V) 1					P2		1
CR2012-0805 1M 9236392 R2 Resistor SMT 1 CR2012-0805 100K 1469862, 9332405 R3, R6, R10, R11 Resistor, Resistor SMT 4 CR2012-0805 47R 1632490 R4, R7 Resistor SMT 2 CR2012-0805 680R 9334785 R5 Resistor SMT 1 CR2012-0805 33R 1631399 R8, R9 Resistor SMT 2 CR2012-0805 33R 1704517 U1 Microcontroller with USB 1 CR2012-0805 MC9S08JS16CWJ 1704517 U1 Microcontroller with USB 1 CR2012-0805 MC9S08JS16CWJ 1704517 U1 Microcontroller with USB 1 CR2012-0805 MC9S08JS16CWJ 1704517 U4, U6 Quad 3-State Non-Inverting Buffer (F1013776) 2 CR2012-0805 T4LV125A 9592504 U4, U6 Quad 3-State Non-Inverting Buffer (F1013776) 2 CR2012-0805 T4LY01-0805		Header 3				Header, 3-Pin	1
CR2012-0805 100K 1469862, 9332405 R3, R6, R10, R11 Resistor, Resistor SMT 4 CR2012-0805 47R 1632490 R4, R7 Resistor SMT 2 CR2012-0805 680R 9334785 R5 Resistor SMT 1 CR2012-0805 33R 1631399 R8, R9 Resistor SMT 2 SO-G20 MC9S08JS16CWJ 1704517 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 Y1 Crystal (Low profile SMT) 1 SOT23 PESD5V0S2UAT 8737738 Z1 Dual Unipolar Protection Device (5V) 1					R1		1
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SOT23 PESD5V0S2UAT 8737738 Z1 Dual Unipolar Protection Device (5V) 1 30		74LV125A					2
30		12MHz					1
	3OT23	PESD5V0S2UAT	8737738		Z1	Dual Unipolar Protection Device (5V)	1
	Approved		Notes				30