









Bill of Materials			USBDM-Kinetis			
Source Data From:		USBDM Kinetis.PrjPcb				
Project:		USBDM_Kinetis.PrjPcb				
Variant:		None				
Creation Date:	20/12/2016	9:21:27 AM				
Print Date:	20-Dec-16	9:21:35 AM				
Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
CCNP1608-0603	100nF	1709957		C1, C5, C7, C8, C9, C10, C11, C13, C14	, Capacitor	9
CCNP2012-0805	4u7F/16V	2496988		C2	Capacitor SMT 0805	1
CCNP1608-0603	2u2F/6V	2496850		C3, C6	Capacitor SMT 0603	2
CCNP1608-0603	4u7F/6V	2496930		C4, C12	Capacitor SMT 0603	2
CD1608-0603	LED Green			D1	LED (Red 0603)	1
CD1608-0603	LED Red			D2	LED (Red 0603)	1
MOLEX - 47346-0001	USB_MICRO_B_CONNECTOR	1568026		J1	USB Micro-B Connector	1
Header 1x3 (2mm)	Header 1x3 2mm			JP1	Header, 1x3, 2mm	1
CR2012-0805	FB	1515661		L1, L2	Ferrite Bead (0805) 0.045OHM, 2A	2
BDM	BDM2X3			P1		1
SWD-2x10 - reduced	SWD-2x10	1865289		P2	SWD Connector 2x10-Pin	1
SWD-2x5	SWD2X5	1865285		P3	SWD Connector 2x5-Pin	1
CR1608-0603	1K	2331727		R1, R19	Resistor SMT	2
CR1608-0603	33R	1632431		R2, R4	Resistor	2
CR1608-0603	10K	1632490		R3, R9, R10, R16, R20	Resistor SMT	5
CR1608-0603	100K	9332405		R5, R11, R14, R17, R22	Resistor SMT, Resistor, Resistor SMT, Resistor SMT, Resistor SMT	5
CR1608-0603	47R	1646283		R6, R8, R12, R15, R18	Resistor SMT	5
CR1608-0603	470R	2073508		R7, R21	Resistor SMT	2
CR1608-0603	0R	1631319		R13	Resistor	1
SW_SMT_PB2-B3U-1000P-B	SW-PB-SMT-B3U-1000P-B	1333654		S1	Switch OMRON B3U series	1
SC70_N	SN74LVC1T45DCKT	2395603		U1, U7	Dual voltage bidirection buffer	2
SOT-23-5	MIC2005-0.5YM6-TR	2509880		U2	Power Switch	1
SOT23	MCP1703T-3302E/CB	2136813		U3	3V3 LDO regulator	1
SSOP8_N	SN74LVC2T45DCTR	2008640		U4, U6	Dual voltage bidirection buffer	2
TSQFP50P900X900-48N	MK20DX128VLF5	2133571		U5	Arm Cortex M4	1
Crystal_SMT - EPSON-FA-238	XTAL_SMT2_FA-238	1712815		Y1	Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)	1
SOT23-6	82402305	1825866		Z1	Quintuple Unipolar Protection Device (5V)	1
						55
Approved		Notes				