









D'II - C M - 4 '	-1-					
Bill of Materials			USBDM-Kinetis			
Source Data From:		USBDM Kinetis MK22F.PrjPcb				
Project:		USBDM Kinetis MK22F.PrjPcb				
Variant:		None	1			
variant.		None				
Creation Date:	7/02/2017	5:45:14 PM				
Print Date:	07-Feb-17	5:45:23 PM				
Till Date.	0110011	0. 10.20 1 W				
Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
CCNP1608-0603	100nF	1709957	Diginey	C1, C4, C6, C8, C9, C10, C11,	·	•
JCNP1608-0603	Toone	1709957		C1, C4, C6, C8, C9, C10, C11, C12, C14, C15, C16	Capacitor SMT 0603	11
CCNP2012-0805	10uF/16V	2497049		C2	Capacitor SMT 0805	1
CCNP1608-0603	4u7F/6V	2496930		C3, C5, C7, C13	Capacitor SMT 0603	4
LED1608-0603-GREEN	LED Green	5790852		D1	LED 0603 Green (HSMG-C170 1.25mm x 1.4mm, 20 mA, 2.2 V, 572 nm)	1
LED1608-0603-RED	LED Red	5790839		D2	LED 0603 Red (HSMS-C170, 1.25mm x 1.4mm, 20 mA, 2.1 V, 626	1
					nm)	
MOLEX - 47346-0001	USB Micro-B Connector	1568026		J1	USB Micro-B (MOLEX - 47346-0001)	1
leader 1x3 (2mm)	Header 1x3 2mm			JP1	Header, 1x3, 2mm	1
B2012-0805	Ferrite Bead	1669733		L1, L2	Ferrite Bead SMT 0805, TDK MPZ2012S102AT, 0.15OHM, 1.5A	2
BDM	BDM Connector			P1	HCS BDM connector (2x3 0.1")	1
SWD-2x10 - reduced	SWD-2x10 (reduced pins)	1865289		P2	SWD Connector 2x10-Pin (reduced pins)	1
SWD-2x5	SWD2X5	1865285		P3	SWD Connector 2x5-Pin	1
CR1608-0603	1K	2331727		R1, R20	Resistor SMT 0603	2
CR1608-0603	33R	1632431		R2, R3	Resistor SMT 0603	2
CR1608-0603	10K	1632490		R4, R11, R12, R17, R22, R23	Resistor SMT 0603	6
CR1608-0603	330R	2073508		R5, R21	Resistor SMT 0603	2
CR1608-0603 CR1608-0603	100K 47R	9332405 1646283		R6, R9, R10, R15, R18	Resistor SMT 0603 Resistor SMT 0603	5 5
CR1608-0603	0R	1631319		R7, R8, R14, R16, R19 R13	Resistor SMT 0603	5
SW_SMT_PB2-B3U-1000P-B	SW-PB-SMT-B3U-1000P-B	1333654		S1	Switch OMRON B3U series	1
SOT23-6-Power	MIC2005-0.5YM6-TR	2509880		U1	Power Switch	1
SC70_N	74LVC1T45DCK	2395603		U2, U7	Dual voltage bidirection buffer	2
6OT23	MCP1703T-3302E/CB	2136813		U3	3V3 LDO regulator	1
SOP8 N	74LVC2T45DCT	2444915		U4, U6	Dual voltage bidirection buffer	2
SQFP50P1200X1200-64L	MK22FN512VLH12	2434224		U5	Arm Cortex M4F	1
SOT23-6	82402305	1825866		Z1	Quintuple Unipolar Protection Device (5V)	1
						57
Approved		Notes				