









Bill of Materials Source Data From: USBDM Kin			USBDM-Kinetis			
		USBDM Kinetis MK22F.PrjPcb				
Project:		USBDM Kinetis MK22F.PrjPcb				
Variant:		None	•			
Creation Date:	6/02/2017	3:21:59 PM				
Print Date:	06-Feb-17	3:22:07 PM				
Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
CCNP1608-0603	100nF	1709957		C1, C4, C6, C8, C9, C10, C11,	Capacitor SMT 0603	11
				C12, C14, C15, C16		
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,	1
LED1608-0603-RED	LED Dod	E700000		DO	572 nm)	
	LED Red	5790839		D2	LED 0603 Red (HSMS-C170, 1.25mm x 1.4mm, 20 mA, 2.1 V, 626	1
MOLEX - 47346-0001	USB Micro-B Connector	1568026		J1	nm) USB Micro-B (MOLEX - 47346-0001)	1
leader 1x3 (2mm)	Header 1x3 2mm	1500020		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	1000700		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	100K	9332405		R6, R9, R10, R15, R18	Resistor SMT 0603	5
CR1608-0603	47R	1646283		R7, R8, R14, R16, R19	Resistor SMT 0603	5
CR1608-0603	OR	1631319		R13	Resistor SMT 0603	1
SW_SMT_PB2-B3U-1000P-B	SW-PB-SMT-B3U-1000P-B	1333654		S1 U1	Switch OMRON B3U series	1
SOT23-6-Power SC70_N	MIC2005-0.5YM6-TR 74LVC1T45DCK	2509880 2395603		U2, U7	Power Switch Dual voltage bidirection buffer	2
SC70_N SOT23	MCP1703T-3302E/CB	2136813		U3	3V3 LDO regulator	1
SSOP8 N	74LVC2T45DCT	2444915		U4, U6	Dual voltage bidirection buffer	2
TSQFP50P1200X1200-64L	MK22FN512VLH12	2434224		U5	Arm Cortex M4F	1
SOT23-6	82402305	1825866		Z1	Quintuple Unipolar Protection Device (5V)	1
-						57
Approved		Notes				
	·	· .	'	'		