









Bill of Materials		USBDM-Kinetis				
Source Data From:		USBDM_Kinetis_MK22F.PrjPcb USBDM_Kinetis_MK22F.PrjPcb				
Project:						
Variant:		None				
Creation Date:	22/01/2017	1:15:31 PM				
Print Date:	22-Jan-17	1:15:39 PM				
Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantit
CCNP1608-0603	100nF	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, C13	Capacitor SMT 0603	2
CCNP1608-0603	2u2F/6V	2496850		C5, C7	Capacitor SMT 0603	2
LED1608-0603-GREEN	LED Green	5790852		D1	LED 0603 Green	1
LED1608-0603-RED	LED Red	5790852		D2	LED 0603 Red	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, R20	Resistor SMT	2
CR1608-0603	33R	1632431		R2, R3	Resistor SMT	2
CR1608-0603	10K	1632490		R4, R11, R12, R17, R22	Resistor SMT	5
CR1608-0603	470R	2073508		R5, R21	Resistor SMT	2
CR1608-0603	100K	9332405		R6, R9, R10, R15, R18	Resistor SMT	5
CR1608-0603	47R	1646283		R7, R8, R14, R16, R19	Resistor SMT	5
CR1608-0603	0R	1631319		R13	Resistor SMT	1
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
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
						56
Approved		Notes				