









Bill of Materials		HODDM Vine	USBDM-Kinetis				
Bill of Materi	ais		USBDM-Kinet	USBDM-Kinetis			
Source Data From:		USBDM Kinetis MK22F.PrjPcb					
Project:		USBDM_Kinetis_MK22F.PrjPcb					
Variant:		None	•				
variant.		HONE					
Creation Date:	26/01/2017	4:41:48 PM					
Print Date:	26-Jan-17	4:41:56 PM					
2 4.61	20 00.1 11						
Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity	
CCNP1608-0603			Diginey		•	•	
JCNP1608-0603	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, 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	Resistor SMT 0603	5	
CR1608-0603	470R	2073508		R5, R21	Resistor SMT 0603	2	
CR1608-0603	100K	9332405		R6, R9, R10, R15, R18	Resistor SMT 0603	5	
CR1608-0603 CR1608-0603	47R 0R	1646283 1631319		R7, R8, R14, R16, R19 R13	Resistor SMT 0603 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	
6C70_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	
SQFP50P1200X1200-64L	MK22FN512VLH12	2434224		U5	Arm Cortex M4F	1	
SOT23-6	82402305	1825866		Z1	Quintuple Unipolar Protection Device (5V)	1	
						56	
Approved		Notes					