









Comment	II of Materi	als		USBDM-Kine	etis		
None	ce Data From:		USBDM Kinetis.PrjPcb				
None	ct:		USBDM Kinetis PriPcb				
Creation Date:   22/12/2016							
Print Dale:    22-Dec-16	nt:		None				
Fameli PN   Digikey   Designator   Description   Qu	on Date:	22/12/2016	1:05:51 PM				
CCNP1608-0603	Date:	22-Dec-16	1:06:01 PM				
CCNP1608-0603							
CCNP2012-0805	rint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
CCNP1608-0603	P1608-0603	100nF	1709957		C13, C14	, Capacitor	9
CCNP1608-0603	P2012-0805	4u7F/16V			C2	Capacitor SMT 0805	1
D1	P1608-0603						2
D2	P1608-0603		2496930		C4, C12	Capacitor SMT 0603	2
MOLEX - 47346-0001   USB MICRO B CONNECTOR   1568026   J1   USB MICRO B Connector   Header 1/3 (2mm)   Hea	08-0603					LED (Red 0603)	1
Header 1/3 2mm	08-0603	LED Red			D2	LED (Red 0603)	1
CR2012-0805   FB	X - 47346-0001	USB_MICRO_B_CONNECTOR	1568026			USB Micro-B Connector	1
BDM2X3   BDM2X3   P1	er 1x3 (2mm)	Header 1x3 2mm			JP1	Header, 1x3, 2mm	1
SWD-2x10 - reduced   SWD-2x10   1865289   P2   SWD Connector 2x10-Pin	12-0805	FB	1515661		L1, L2	Ferrite Bead (0805) 0.045OHM, 2A	2
SWD 2x5   SWD 2x5   1865285   P3   SWD Connector 2x5-Pin		BDM2X3			P1		1
CR1608-0603 1K 2331727 R1, R19 Resistor SMT CR1608-0603 3R 1632431 R2, R4 Resistor CR1608-0603 10K 1632490 R3, R9, R10, R16, R20 Resistor SMT CR1608-0603 10K 1632490 R3, R9, R10, R16, R20 Resistor SMT CR1608-0603 R5, R11, R14, R17, R22 Resistor SMT, Resistor SMT, Resistor SMT, Resistor SMT CR1608-0603 47R 1646283 R6, R8, R12, R15, R18 Resistor SMT CR1608-0603 470R 2073508 R7, R21 Resistor SMT CR1608-0603 0R 1631319 R13 Resistor CR1608-0603 SW_PB-SMT-B3U-1000P-B 1333654 S1 Switch OMRON B3U series SC70 N SN74LVC1T45DCKT 2395603 U1, U7 Dual voltage bidirection buffer SC723-6-Power MIC2005-0.5YM6-TR 2509880 U2 Power Switch SC723 MCP1703T-3302E/CB 2138613 U3 3/3 LDO regulator SSOP8 N SN74LVC2T45DCTR 2008640 U4, U6 Dual voltage bidirection buffer TSQFP50P900X900-48N MK20DX128VLF5 2133571 U5 Arm Cortex M4 Crystal SMT - EPSON-FA-238 XTAL_SMT2_FA-238 1712815 Y1 Curity Deliar Protection Device (5V)	-2x10 - reduced		1865289		P2	SWD Connector 2x10-Pin	1
CR1608-0603 33R 1632431 R2, R4 Resistor CR1608-0603 10K 1632490 R3, R9, R10, R16, R20 Resistor SMT CR1608-0603 100K 9332405 R5, R11, R14, R17, R22 Resistor SMT, Resistor SMT, Resistor SMT CR1608-0603 47R 1646283 R6, R8, R12, R15, R18 Resistor SMT CR1608-0603 470R 2073508 R7, R21 Resistor SMT CR1608-0603 0R 1631319 R13 Resistor SW_SMT_PB2-B3U-1000P-B SW-PB-SMT-B3U-1000P-B 1333654 S1 Switch OMRON B3U series SC70_N SN74LVC1T45DCKT 2395603 U1, U7 Dual voltage bidirection buffer SC0T23-6-Power MIC2005-0.5YM6-TR 2509880 U2 Power Switch SSOT23 MCP1703T-3302E/CB 2136813 U3 3V3 LDO regulator SSOP8 N SN74LVC2T45DCTR 2008640 U4, U6 Dual voltage bidirection buffer TSQFP50P900X900-48N MK20DX128VLF5 2133571 U5 Arm Cortex M4 Crystal SMT - EPSON-FA-238 XTAL_SMT2 FA-238 1712815 Y1 Quintuple Unipolar Protection Device (5V)	-2x5	SWD2X5	1865285		P3	SWD Connector 2x5-Pin	1
CR1608-0603	08-0603	1K	2331727		R1, R19	Resistor SMT	2
CR1608-0603	08-0603	33R	1632431		R2, R4	Resistor	2
CR1608-0603	08-0603					Resistor SMT	5
CR1608-0603       470R       2073508       R7, R21       Resistor SMT         CR1608-0603       0R       1631319       R13       Resistor         SW_SMT_PB2-B3U-1000P-B       SW-PB-SMT-B3U-1000P-B       1333654       S1       Switch OMRON B3U series         SC70_N       SN74LVC1T45DCKT       2395603       U1, U7       Dual voltage bidirection buffer         SOT23-6-Power       MIC2005-0.5YM6-TR       2509880       U2       Power Switch         SSOT23       MCP1703T-3302E/CB       2136813       U3       3V3 LDO regulator         SSOP8_N       SN74LVC2T45DCTR       2008640       U4, U6       Dual voltage bidirection buffer         TSQFP50P900X900-48N       MK20DX128VLF5       2133571       U5       Arm Cortex M4         Crystal_SMT - EPSON-FA-238       XTAL_SMT2_FA-238       1712815       Y1       Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)         SOT23-6       82402305       1825866       Z1       Quintuple Unipolar Protection Device (5V)	08-0603	100K	9332405			Resistor SMT, Resistor, Resistor SMT, Resistor SMT, Resistor SMT	5
CR1608-0603       470R       2073508       R7, R21       Resistor SMT         CR1608-0603       0R       1631319       R13       Resistor         SW_SMT_PB2-B3U-1000P-B       SW-PB-SMT-B3U-1000P-B       1333654       S1       Switch OMRON B3U series         SC70_N       SN74LVC1T45DCKT       2395603       U1, U7       Dual voltage bidirection buffer         SOT23-6-Power       MIC2005-0.5YM6-TR       2509880       U2       Power Switch         SSOT23       MCP1703T-3302E/CB       2136813       U3       3V3 LDO regulator         SSOP8_N       SN74LVC2T45DCTR       2008640       U4, U6       Dual voltage bidirection buffer         TSQFP50P900X900-48N       MK20DX128VLF5       2133571       U5       Arm Cortex M4         Crystal_SMT - EPSON-FA-238       XTAL_SMT2_FA-238       1712815       Y1       Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)         SOT23-6       82402305       1825866       Z1       Quintuple Unipolar Protection Device (5V)	08-0603	47R	1646283		R6, R8, R12, R15, R18	Resistor SMT	5
CR1608-0603       0R       1631319       R13       Resistor         SW_SMT_PB2-B3U-1000P-B       SW-PB-SMT-B3U-1000P-B       1333654       S1       Switch OMRON B3U series         SC70_N       SN74LVC1T45DCKT       2395603       U1, U7       Dual voltage bidirection buffer         SOT23-6-Power       MIC2005-0.5YM6-TR       2509880       U2       Power Switch         SOT23       MCP1703T-3302E/CB       2136813       U3       3V3 LDO regulator         SSOP8_N       SN74LVC2T45DCTR       2008640       U4, U6       Dual voltage bidirection buffer         TSQFP50P900X900-48N       MK20DX128VLF5       2133571       U5       Arm Cortex M4         Crystal_SMT - EPSON-FA-238       XTAL_SMT2_FA-238       1712815       Y1       Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)         SOT23-6       82402305       1825866       Z1       Quintuple Unipolar Protection Device (5V)	08-0603		2073508			Resistor SMT	2
SW_SMT_PB2-B3U-1000P-B         SW-PB-SMT-B3U-1000P-B         1333654         S1         Switch OMRON B3U series           SC70_N         SN74LVC1T45DCKT         2395603         U1, U7         Dual voltage bidirection buffer           SOT23-6-Power         MIC2005-0.5YM6-TR         2509880         U2         Power Switch           SOT23         MCP1703T-3302E/CB         2136813         U3         3V3 LDO regulator           SSOP8_N         SN74LVC2T45DCTR         2008640         U4, U6         Dual voltage bidirection buffer           TSQFP50P900X900-48N         MK20DX128VLF5         2133571         U5         Arm Cortex M4           Crystal_SMT - EPSON-FA-238         XTAL_SMT2_FA-238         1712815         Y1         Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)           SOT23-6         82402305         1825866         Z1         Quintuple Unipolar Protection Device (5V)	08-0603	0R					1
SC70_N         SN74LVC1T45DCKT         2395603         U1, U7         Dual voltage bidirection buffer           SOT23-6-Power         MIC2005-0.5YM6-TR         2509880         U2         Power Switch           SOT23         MCP1703T-3302E/CB         2136813         U3         3V3 LDO regulator           SSOP8_N         SN74LVC2T45DCTR         2008640         U4, U6         Dual voltage bidirection buffer           TSQFP50P900X900-48N         MK20DX128VLF5         2133571         U5         Arm Cortex M4           Crystal_SMT - EPSON-FA-238         XTAL_SMT2_FA-238         1712815         Y1         Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)           SOT23-6         82402305         1825866         Z1         Quintuple Unipolar Protection Device (5V)	SMT PB2-B3U-1000P-B	SW-PB-SMT-B3U-1000P-B				Switch OMRON B3U series	1
SOT23-6-Power MIC2005-0.5YM6-TR 2509880 U2 Power Switch  MCP1703T-3302E/CB 2136813 U3 3V3 LDO regulator  SSOP8_N SN74LVC2T45DCTR 2008640 U4, U6 Dual voltage bidirection buffer  TSQFP50P900X900-48N MK20DX128VLF5 2133571 U5 Arm Cortex M4  Crystal_SMT - EPSON-FA-238 XTAL_SMT2_FA-238 1712815 Y1 Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)  SOT23-6 82402305 1825866 Z1 Quintuple Unipolar Protection Device (5V)							2
SOT23 MCP1703T-3302E/CB 2136813 U3 3V3 LDO regulator SSOP8 N SN74LVC2T45DCTR 2008640 U4, U6 Dual voltage bidirection buffer TSQFP50P900X900-48N MK20DX128VLF5 2133571 U5 Arm Cortex M4 Crystal_SMT - EPSON-FA-238 XTAL_SMT2_FA-238 1712815 Y1 Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF) SOT23-6 82402305 1825866 Z1 Quintuple Unipolar Protection Device (5V)							1
SSOP8 N SN74LVC2T45DCTR 2008640 U4, U6 Dual voltage bidirection buffer TSQFP50P900X900-48N MK20DX128VLF5 2133571 U5 Arm Cortex M4 Crystal_SMT - EPSON-FA-238 XTAL_SMT2_FA-238 1712815 Y1 Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF) SOT23-6 82402305 1825866 Z1 Quintuple Unipolar Protection Device (5V)							1
TSQFP50P900X900-48N MK20DX128VLF5 2133571 U5 Arm Cortex M4  Crystal_SMT - EPSON-FA-238 XTAL_SMT2_FA-238 1712815 Y1 Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)  SOT23-6 82402305 1825866 Z1 Quintuple Unipolar Protection Device (5V)							2
Crystal_SMT - EPSON-FA-238         XTAL_SMT2_FA-238         1712815         Y1         Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)           SOT23-6         82402305         1825866         Z1         Quintuple Unipolar Protection Device (5V)							1
SOT23-6         82402305         1825866         Z1         Quintuple Unipolar Protection Device (5V)	al SMT - EPSON-FA-238						1
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