









Product   Prod	Source Data From:	Bill of Materials			USBDM-Kinetis			
Project			USBDM Kinetis PriPcb					
None	Project:							
Designation					-			
Print   Dale:	rariant:		None					
Part Date   21-Nov-16   9:54:36 PM	Creation Date:	21/11/2016	9:54:25 PM					
Content								
CCNP1608-0603   100nF   1709957   C.1. C.5. C.7. C.8. C.9. C.10. C.11,   Capacitor   C.1. C.5. C.7. C.8. C.9. C.10. C.11,   C.1. C.14								
CNP1608-0603   100nF	ootprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity	
C13, C14	<u> </u>			gy		·		
CXPP2012-0805   4u/Fr/16V   2496988   C2, C12   Capacitor SMT 0805   2	70141 1000-0000	100111	1709907			σαραστιοι	9	
CXNP1608-0603	CCNP2012-0805	4u7F/16V	2496988			Capacitor SMT 0805	2	
CAPT-1608-0603								
Comprison					C4		1	
D1   LED (Red 0603   LED (Red 0603)   1   1   1   1   1   1   1   1   1							1	
D1608-0603   LED Red   D2   LED (Red 0603)   1							1	
MOLEX							1	
Header 1/3 (2mm)   Header 1/3 2mm			1568026				1	
Page							1	
DIM   BDM2X3   P1			1515661				2	
NWD-2x10   P2   SWD Connector 2x10-Pin   1							1	
SWD 2x5   SWD 2X5   P3   SWD Connector 2x5-Pin   1					P2	SWD Connector 2x10-Pin	1	
R1608-0603							1	
Residence   Resi			2331727				2	
R1608-0603							2	
Resistor SMT, Resistor SMT, Resistor SMT, Resistor SMT, Resistor SMT   4					R3. R16. R20	Resistor SMT	3	
R1608-0603       47R       1646283       R6, R8, R12, R15, R18       Resistor SMT       5         R1608-0603       470R       2073508       R7, R21       Resistor SMT       2         R1608-0603       10K       1632490       R9, R10       Resistor SMT       2         R81608-0603       0R       1631319       R13       Resistor       1         RW_SMT_PB2-B3U       SW-PB-SMT-B3U       1333652       S1       Switch OMRON B3U series       1         R070_N       74LVC1T45DCK       2395603       U1, U7       Dual voltage bidirection buffer       2         R07-23-5       MIC2005-0.5YM6-TR       2509880       U2       Power Switch       1         R0723       MCP1703T-3302E/CB       2136813       U3       3V3 LDO regulator       1         R0708 N       74LVC2T45DCT       2444915       U4, U6       Dual voltage bidirection buffer       2         R0709 N       74LVC2T45DCT       2444915       U4, U6       Dual voltage bidirection buffer       2         R0709 N       74LVC2T45DCT       2444915       U5       Arm Cortex M4       1         R0709 N       R0900 N <td>CR1608-0603</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td>	CR1608-0603						4	
CR1608-0603       470R       2073508       R7, R21       Resistor SMT       2         CR1608-0603       10K       1632490       R9, R10       Resistor SMT       2         CR1608-0603       0R       1631319       R13       Resistor       1         SW_SMT_PB2-B3U       SW-PB-SMT-B3U       1333652       S1       Switch OMRON B3U series       1         SCO_N       74LVC1T45DCK       2395603       U1, U7       Dual voltage bidirection buffer       2         SOT-23-5       MIC2005-0.5YM6-TR       2509880       U2       Power Switch       1         SSOP23       U3       3V3 LDO regulator       1         SSOP8_N       74LVC2T45DCT       2444915       U4, U6       Dual voltage bidirection buffer       2         SQFP50P900X900-48N       MK20DX128VLF5       2133571       U5       Arm Cortex M4       1         Crystal_SMT - EPSON-FA-238       XTAL_SMT2_FA-238       1712815       Y1       Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)       1         SOT23-6       82402305       1825866       Z1       Quintuple Unipolar Protection Device (5V)       1					R6, R8, R12, R15, R18		5	
R1608-0603       10K       1632490       R9, R10       Resistor SMT       2         R1608-0603       0R       1631319       R13       Resistor       1         W_SMT_PB2-B3U       SW-PB-SMT-B3U       1333652       S1       Switch OMRON B3U series       1         C70_N       74LVC1T45DCK       2395603       U1, U7       Dual voltage bidirection buffer       2         OT-23-5       MIC2005-0.5YM6-TR       2509880       U2       Power Switch       1         OT23       MCP1703T-3302E/CB       2136813       U3       3V3 LDO regulator       1         SOPB_N       74LVC2T45DCT       2444915       U4, U6       Dual voltage bidirection buffer       2         SQFP50P900X900-48N       MK20DX128VLF5       2133571       U5       Arm Cortex M4       1         rystal_SMT - EPSON-FA-238       XTAL_SMT2_FA-238       1712815       Y1       Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)       1         OT23-6       82402305       1825866       Z1       Quintuple Unipolar Protection Device (5V)       1					R7, R21		2	
R1608-0603   OR   1631319   R13   Resistor   1   R13   Resistor   1   R14   R15   R25						Resistor SMT	2	
SW_SMT_PB2-B3U SW-PB-SMT-B3U 1333652 S1 Switch OMRON B3U series 1 SC70_N 74LVC1T45DCK 2395603 U1, U7 Dual voltage bidirection buffer 2 SC70_SC70_SC70_SYM6-TR 2509880 U2 Power Switch 1 SC723 MCP1703T-3302E/CB 2136813 U3 3V3 LDO regulator 1 SCSOP8_N 74LVC2T45DCT 2444915 U4, U6 Dual voltage bidirection buffer 2 SCSOF50P900X900-48N MK20DX128VLF5 2133571 U5 Arm Cortex M4 1 Crystal_SMT - EPSON-FA-238 XTAL_SMT2_FA-238 1712815 Y1 Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF) 1 SCSOT23-6 82402305 1825866 Z1 Quintuple Unipolar Protection Device (5V) 1 SCSOT23-6 SW-PB-SMT-B3U Switch OMRON B3U series 1 Switch OMRON B4 S							1	
CCTO_N   74LVC1T45DCK   2395603   U1, U7   Dual voltage bidirection buffer   2   2   2   2   2   2   2   2   2		SW-PB-SMT-B3U				Switch OMRON B3U series	1	
SOT-23-5   MIC 2005-0.5YM6-TR   2509880   U2   Power Switch   1   1   1   1   1   1   1   1   1							2	
OT23       MCP1703T-3302E/CB       2136813       U3       3V3 LDO regulator       1         SOP8_N       74LVC2T45DCT       2444915       U4, U6       Dual voltage bidirection buffer       2         SQFP50P900X900-48N       MK20DX128VLF5       2133571       U5       Arm Cortex M4       1         brystal_SMT - EPSON-FA-238       XTAL_SMT2_FA-238       1712815       Y1       Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)       1         OT23-6       82402305       1825866       Z1       Quintuple Unipolar Protection Device (5V)       1         54		MIC2005-0.5YM6-TR					1	
SQP8_N   74LVC2T45DCT   2444915   U4, U6   Dual voltage bidirection buffer   2   2   2   2   2   2   2   2   2						3V3 LDO regulator	1	
SQFP50P900X900-48N MK20DX128VLF5 2133571 U5 Arm Cortex M4 1 Crystal_SMT - EPSON-FA-238 XTAL_SMT2_FA-238 1712815 Y1 Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF) 1 COT23-6 82402305 1825866 Z1 Quintuple Unipolar Protection Device (5V) 1 54							2	
Crystal_SMT - EPSON-FA-238         XTAL_SMT2_FA-238         1712815         Y1         Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)         1           COT23-6         82402305         1825866         Z1         Quintuple Unipolar Protection Device (5V)         1           54							1	
SOT23-6 82402305 1825866 Z1 Quintuple Unipolar Protection Device (5V) 1 54		XTAL_SMT2_FA-238				Crystal (EPSON Q22FA23800065 FA-238 24 MHZ 12.0PF)	1	
54					Z1		1	
Approved Notes Some Some Some Some Some Some Some Some							54	
	pproved		Notes					
		_		<del>                                     </del>				