

Version :1.00
Date : 2014-7-13
Identify : CHK-06.3



Radium I

Coreboard based on Kinetis-KL Series
freescall Semiconductor
MKL46Z256VLL4

Title		
Size	Number	Revision
A2		
Date:	2014/7/20	Sheet of
File:	F:\Radium-KL46-Items\SchDoc	Drawn By:

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Comment	Description	Designator	Footprint	LibRef	Quantity
33 pF	Cap-N	C1, C2	CAP-0603	Cap-N	2
100 nF	Cap-N	C3, C4, C5, C6, C7, C8, C9, C10, C13	CAP-0603	Cap-N	9
22 µF	Cap-P	C11	CAP-1206	Cap-P	1
10 µF	Cap-P	C12	CAP-1206	Cap-P	1
DIDODE-SHOTTKY	DIDODE-SHOTTKY	D1, D2	SOD123	DIDODE-SHOTTKY	2
6.8V	TVS-DIDODE	D3	DO214-AC	TVS-DIDODE	1
1 A	Fuse	F1	SF0805	Fuse	1
100 MHz/1 KΩ	Ferrite	FN1, FN2, FN3	FN0603	Ferrite	3
HEADER2X13	HEADER2X13	J1, J5	HEADER2X13	HEADER2X13	2
SWD	SWD	J2		SWD	1
HEADER2X12	HEADER2X12	J3	HEADER2X12	HEADER2X12	1
SPI-CONNECT	SPI-CONNECT	J4	SPI-HEADER4X2	SPI-CONNECT	1
Key	Button	K1	SW-SMD1	Button	1
Blue		LED1	LED-0805-BLUE	LED	1
Red		LED2	LED-0805-BLUE	LED	1
Green		LED3	LED-0805-BLUE	LED	1
2 MΩ	Res	R1	RES-603	Res	1
4.7 KΩ	Res	R2	RES-603	Res	1
330 Ω	Res	R3, R4, R8	RES-603	Res	3
33 Ω	Res	R5, R6	RES-603	Res	2
0 Ω	Res	R7	RES-603	Res	1
TestPoint	TestPoint	TP2	TestPoint_circle_smd 50mil	TestPoint	1
MKL46Z256VLL4	MKL46Z256VLL4-LQFP100	U1	LQFP-100	MKL46Z256VLL4	1
TLV1117-3V3	ASM1117-3V3	U2	AMS1117	ASM1117-3V3	1
MINI-USB-F	MINI-USB-F	USB1	MINI-USB-F	MINI-USB-F	1
8 MHz	Crystal	X1	5032-Crystal	Crystal	1