A

B

U1

	MKL05Z32VLC	
1	PTB6/IRQ_2/LPTMR0_ALT3	PTA2
2	PTB7/IRQ_3	PTA1/IRQ_1/LPTMR0_ALT1
3	Vdd	PTA0/IRQ_0/LLWU_P7
4	VrefH	PTB13
5	VrefL	PTB12
6	Vss	PTA13
7	PTA3	PTA12/IRQ_17/LPTMR0_ALT2
8	PTA4/LLWU_P0	PTB5/IRQ_16
9	PTA5/LLWU_P1/RTC_CLK_IN	PTB4/IRQ_15/LLWU_P6
10	PTA6/LLWU_P2	PTB3/IRQ_14
11	PTB8	PTA11/IRQ_13
12	PTB9	PTA10/IRQ_12
13	PTB10	PTA9
14	PTB11	PTA8
15	PTA7/IRQ_7/LLWU_P3	PTB2/IRQ_10/LLWU_P5
16	PTB0/IRQ_8/LLWU_P4	PTB1/IRQ_9

32 SWDIO
31 RESET*
30 SWDCLK
29
28
27
26
25
24
23
22
21
20
19
18
17

Vdd
C7
100nF
GND
EXTAL0
XTAL0
LED2
LED1

LED2   R7   680R   D2
TP2

LED1   R6   680R   D1
TP1

GND1   GND2

Vdd   P1

1	2	SWDIO
3	4	SWDCLK
5	6	
7	8	
9	10	RESET*

MHDR2X5

GND

C

Title			
Size	Number		Revision
A4			
Date:	1/08/2013	Sheet of	
File:	C:\Users\..\MKL05Z32VLC.SchDoc	Drawn By:	

D

UI

TPI R6 D1

TP2

GND1 GND2

C2

PI

Comment	Description	Designator	Footprint	LibRef	Quantity	Farnell PN	Digikey
100nF	Capacitor	C7	CCNP1608-0603	Cap	1		
LED Green	LED (Green SMT)	D1, D2	LED-SMT-2	LED SMT,Green	2	5790852	
Gnd	Test Point	GND1, GND2	TP	TP	2		
MHDR2X5	Header, 5-Pin, Dual row	P1	MHDR2X5	MHDR2X5	1		
680R	Resistor SMT	R6, R7	CR1608-0603	Res	2	9334785	
TP	Test Point	TP1, TP2	TP	TP	2		
MKL05Z32VLC	Arm Cortex M0	U1	QFP80P900X900-32	MKL05Z32VLC	1		