Table of Contents	
1	Title
2	Block Diagram
3	KL46Z MCU
4	OpenSDA INTERFACE
5	I/O Headers and Power Supply

FRDM-KL46Z

Revisions						
Rev	Description	Date	Approved			
Α	Initial version					
AX1	As per the new FRDM-KL46 pin assignment xls connections changed. Net changed from SWD_CLKto SWD_CLK. TGTMCU in connector J11.2 Net name TSI0_CH9TSI0_CH10 removed from touch interface. Net name and Arduino functions name Text added to the nets. SV regulator PAD added separate Accelarometer and Magnetometer sensor Freplaced with FXOS8700CQ PPL Released	07-MAR-13	Luis Puebla Palma	D		
AX2	As per the FRDM-KL46 new pinout assignement Rev3.xls connections changed. Port name and Arduino functions name Text changed to the nets as per new pin assignment. Arduino connector Ref des changed as per TRD requirement INTI_MAG net removed Test point added in PTE26	14-MAR-13	Luis Puebla Palma			
AX3	Magnetometer circuit added with same I2C Bus (I2C0_SCL/SDA) Magnetometer interrupt is connected to Accelerometer interrupt 2 through a 0 ohms resistor. Spare buffer U5B input is pulled low using a 0 ohms res.	25-MAR-13	Luis Puebla Palma			
AX4	FXOS8700CQ replaced with MMA8451Q. NC Pins wired to make compatible with CRST, RST, RSVD1/2 in FXOS8700CQ DNP 0 ohm resistor added between Inertial sensor 3rd pin and GND. DNP 0 ohms resistor added b/w Inertial sensor 16th pin and PTE26	26-MAR-13	Luis Puebla Palma	С		
В	1. DNP Updated 2. RST_K20D50 renamed to RST_K20D50_B 3. A085 Release	28-MAR-13	Luis Puebla Palma			
B1	D6 - DNP J7 - MOUNT Schematic title changed to FRDM-KL46Z A085 Release	03-MAY-13	Luis Puebla Palma			
С	Changing C17 from 1uF to 0.1uF to fix yield issue	19-JUN-13	Luis Puebla Palma	•		
				ı		



- 1. Unless Otherwise Specified:
 - All resistors are in ohms, 5%, 1/8 Watt All capacitors are in uF, 20%, 50V
 - All voltages are DC
 - All polarized capacitors are aluminum electrolytic
- 2. Interrupted lines coded with the same letter or letter combinations are electrically connected.
- 3. Device type number is for reference only. The number varies with the manufacturer.
- 4. Special signal usage:
 - _B Denotes Active-Low Signal
 - <> or [] Denotes Vectored Signals
- 5. Interpret diagram in accordance with American National Standards Institute specifications, current revision, with the exception of logic block symbology.



















