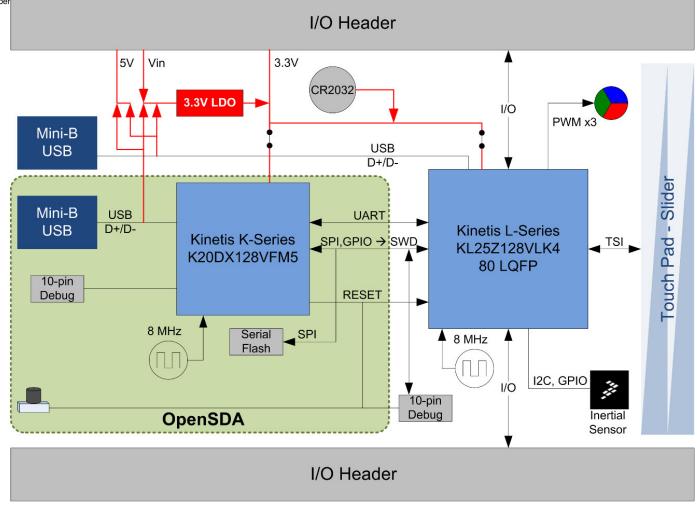
Contents		Rev	Revisions Description	& Chang	
im im		X1	*** ***	04/10/12	Approved M. NORMAN
		A	Release to production	05/03/12	M. NORMAN
I/O Headers and Power Supply		В	Prototype redefinition	n. 05/09/12	M. NORMAN
170 Hodders and renor suppry			KL25 XTAL capacitors C16 & C19 changed		
			from 10pF DNP to 22pF populated. Defined A5 signal from		
			Defined A5 signal from K20 MCU	n	
		С	Prototype release.	05/21/12	M. NORMAN
			Fixed J10 orientation according to Arduino 1	R3	
			specification		-
		cx:	Changed two pin heade:	06/29/12 rs	M. NORMAN
			to DNP bottom-shorting headers.	ā	
			Added support to AT45DB161D-S		
			or AT45DB161E-SSHD SPI Flash Memory.		
			Added 2pin header (J1 for on-board MCU		
			programming isolation Redefined KL25 power	•	
			netnames. Changed USB connector: part numbers J5 and J	S 7	
			Changed KL25 XTAL 1M resistor (R25) to 1		
			Changed X-FREEDOM-KL25Z board		
			name to FRDM-KL25Z		
		D	Pilot release. Changed 2pin header (07/10/12	M. NORMAN
			location for on-board SWD CLK isolation.	MCU	
			Changed to DNP	rts	
			BT1, J1, J2, J3, J4, J9, J10, TP6, U5, J8	J6,	
	FREEDOM KL25Z		Removed OpenSDA leverage hint voltage		
	I KLLDOM KLZJZ	DX	legend Production Re-spin.	03 /00 /33	V VODVOV
			Fixing V. drop in ADC	01/22/13 by	M. NORMAN
			Fixing V. drop in ADC changing SH1 for R77 R80, and 3.0V zenner	(D9)	
			also changed BAT54C rectifiers (D1, D2, D1 for MBR120VLSFT1G dioc	5) des	
			(D6, D7, D8, D10, D11, D12, D13 to enhance	,	
			VF curve and current capability. Added J20 header to b		
			Added J20 header to be D12 vdrop. Changed J4 and J3	ypass	
			to no bottom-shorting		
			headers and added R73 R74 0-ohm instead, all with R81 for current	ong	
			measuring Added USB host		
			functionality without electrical protection		
			by placing J21 and R8: options.	2	
			Updated KL25 symbol TPM to FTM function		
		E	misnaming Production Re-spin		
			release.		M. NORMAN
			Adding 5V buck-boost VR support by 1x3 pin header J22 and C26-29		
			10uF capacitors		
		***		Industrial & Multi-	
		ॐ fre	escale Market Soluti 6501 William Canno	ions Group on Drive West Austin, TX 78	1735-8598
			ICAP Classification: F	FCP: FIUO:	PUBI: X
		Designer: RAFAEL DEL REY	Drawing Title: FRDM-KL257		
		Drawn by: RAFAEL DEL REY Approved:	Page Title: TITLE PAGE Size Document Number		I Rev
		Approved: MICHAEL NORMAN	C SCH-275	556 PDF: SPF-27556	E



All polarized capacitors are aluminum electrolytic

- 2. Interrupted lines coded with the same letter or letter combinations are electrically connected.
- 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.



Indicates optional items that will **not** be populated by default

