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Revisions		
Rev	Description	Date
X1	Original Release	11-06-20
A	Formal Release	12-09-20
A1	Formal Release	12-17-20
A2	Change connectors' MPN.	11-29-24

FRDMSTBI-NMH1000

		RF, Analog & Sensor Group 6501 William Cannon Drive West Austin, TX 78735-8598	
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<small>© NXP SEMICONDUCTORS</small>		<small>Classification: <FCP> <FIUO> <PUB></small>	
<small>Designer: George Guo</small>		<small>Drawing Title: FRDMSTBI-NMH1000</small>	
<small>Drawn by: George Guo</small>		<small>Page Title: CONTENT</small>	
<small>Approved: Team</small>		<small>Size C</small>	<small>Document Number SCH-48021 SPF-48021</small>
		<small>Date: Friday, November 29, 2024</small>	<small>Rev A2</small>
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- 54321
1. Unless Otherwise Specified:
All resistors are in ohms, most are 1%, 1/10 Watt. Otherwise are 5%, 1/8 Watt.
All capacitors are in uF, some are 10% or 20%
All voltages are DC
All polarized capacitors are tantalum

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

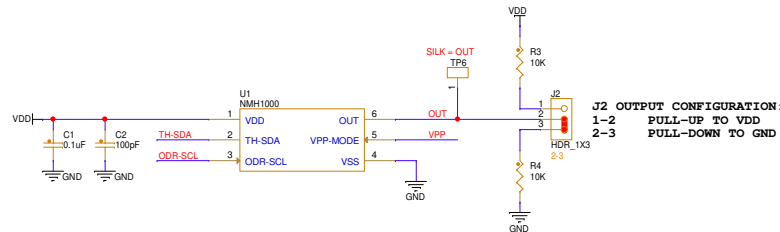
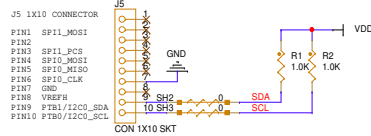
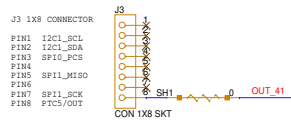
5. Interpret diagram in accordance with American National Standards Institute specifications, current revision, with the exception of logic block symbology.



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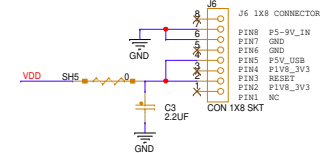
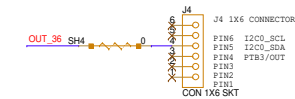
AYOMANI MAGNETIC SWITCH FOR FRDM-KW36/38

SHIELD BOARD ARDUINO RECEPTALE

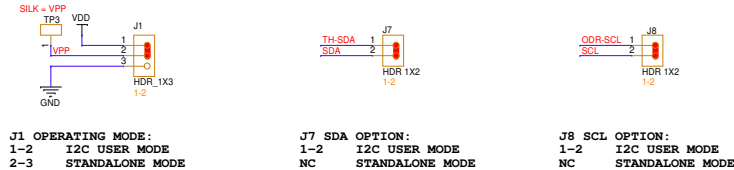


MCU APPLIED:
1-2 FOR KW41
2-3 FOR KW36/38

SHIELD BOARD ARDUINO RECEPTALE

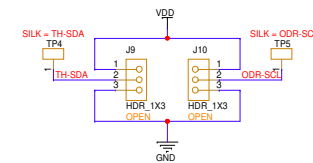


I2C / STANDALONE MODE SELECTION



STANDALONE MODE CONFIGURATION

J9 THRESHOLD OPTIONS:
1-2 HIGH TH
2-3 MEDIUM TH
N C LOW TH



DEFAULT SETTING

SET	Jumpers
2-3	J2, J11
1-2	J1, J7, J8
NC	J9, J10

JUMPER DESCRIPTIONS

JUMPER	J1 VPP	J7 SDA	J8 SCL	J9 TH	J10 ODR	THRESHOLD	SAMPLE RATE
I2C USER MODE	1-2	1-2	1-2	NC	NC	I2C	I2C
STANDALONE MODE	2-3	NC	NC	NC	1-2	L	H
	2-3	NC	NC	2-3	1-2	M	H
	2-3	NC	NC	1-2	1-2	H	H
	2-3	NC	NC	NC	2-3	L	M
	2-3	NC	NC	2-3	2-3	M	M
	2-3	NC	NC	1-2	2-3	H	M
	2-3	NC	NC	NC	NC	L	L
	2-3	NC	NC	2-3	NC	M	L
	2-3	NC	NC	1-2	NC	H	L



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