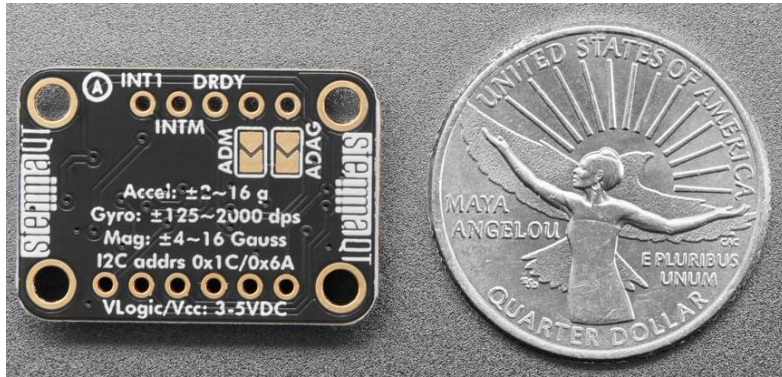


Agenda:

- |  |     |
|--|-----|
| All - Discussion of 2-week HFIR delay                          | 10' |
| Alina - 1-hour magnetic field stability of nTMM magnet         | 10' |
| Yuri - Adding single magnetometer to each magnet on the flange | 10' |
| All - Any other business                                       |     |

# Possible monitoring magnetometers for installation on the flanges of the magnets



Adafruit LSM6DSOX +  
LIS3MDL - Precision 9  
DoF IMU - STEMMA  
QT / Qwiic

Product ID: 4517

**\$19.95**

In stock

±4/±8/±12/±16 Gauss  
selectable magnetic full  
scales, 16-bit ADC



SparkFun 9DoF IMU  
Breakout - ICM-20948  
(Qwiic)

Triple-axis silicon monolithic  
Hall-effect magnetic sensor  
with full scale measurement  
range to ±49 Gauss, 16-bit ADC

**DigiKey**

- Connection cable for Arduino controller outside the guide
- Max cable length is 500 mm
- Will need to use another guide penetration port to install connection to Arduino

REV	ECRN	DATE
1	NEW PRODUCTION	20170223

P/N	L(MM)	T(MM)	CUTTING OUT LENGTH(MM)
A	200	5	210
B	100	5	110

NOTES:  
 1. ELECTRICAL TEST: 100% OPEN, SHORT & MIS WIRE TEST.  
 2. CONTACT RESISTANCE: 1 ohm.  
 3. INSULATOR RESISTANCE: 5M ohm.  
 4. HIGH VOLTAGE: DC 300V 0.01sec.  
 5. MUST BE ROHS COMPLIANT.

PIN ASSIGNMENTS	
P1	P2
1 — YELLOW	1
2 — BLUE	2
3 — RED	3
4 — BLACK	4

RoHS COMPLIANT			<b>朋联电子有限公司</b> DongGuan PengLian Electronics Co.,Ltd TEL: 076938835098/38835095 FAX: 076938835091	
比例: FREE	单位: mm	TITLE: SHR-04 TO SHR-04		
DRAWN BY	CHECKED BY	SUPPLIER'S ITEM: 9.00ACCA1571.000R		
APPROVED BY		CUSTOMER: SPRAK FUN		
		CUSTOMER'S ITEM:		
		DRAWING NO. ACCA-1571	DATE	2017.02.23

NO.	PART NO	ITEM	DESCRIPTION	QTY	UNIT
③		HOUSING	JST:SHR-04V COLOR:WHITE	2	PCS
②		TERMINAL	JST:SSH-003T-PO.2-H TERMINAL	8	PCS
①		CABLE	UL1571 28AWG(7/0.127TC) JACKET: PVC 60P OD:0.9±0.15MM COLOR:BLACK.RED BLUE YELLOW	1	PCS

## 2 magnets inside GP-SANS guides #7 and #8

