

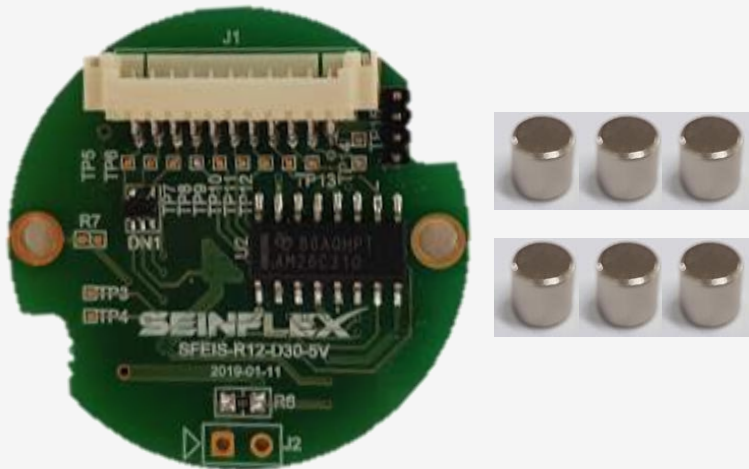
Experts on Magnet Technology & Magnet Applications

SFEIS-R12-D30-5V, SFEIS-R12-D20-5V
SFEIM-T2-D4H4
12bit Magnetic Encoder

Issue #3, 07 APRIL 2020

SEINFLEX

SFEIS-R12-D30-5V (30Pi)



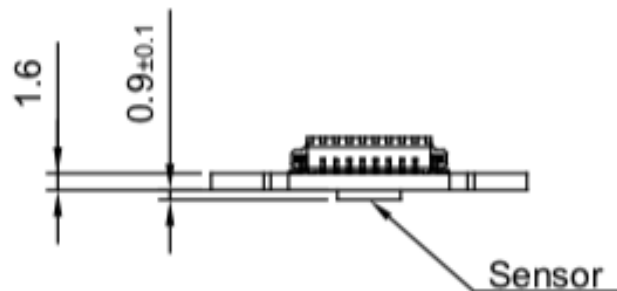
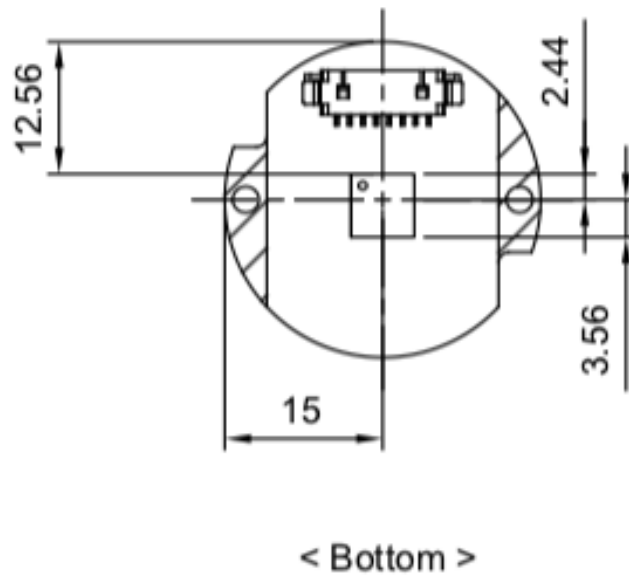
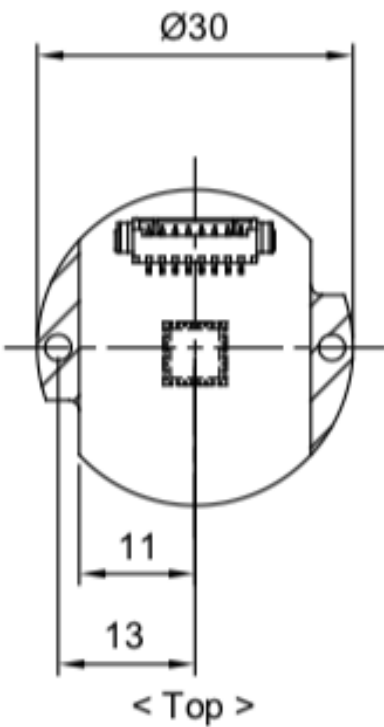
Spec.		Description
Sensor Board	Resolution	Magnetic type 12 bit Incremental Encoder
	Speed	Able to sense maximum 30,000RPM
	Size	ø30
	I/O	UVW(Single End), ABZ(Differential)
	Power	5V for SFEIS-R12-D30-5V
	Zero set	Supporting presetable zero position
	Humidity	Moisture sensitivity level 3
	Connector	11pin connector with 1.25mm pitch
	Operating Condition	-40°C ~ +85°C
Magnet	Material	Diametrically polarized Neodymium Magnet
	Size	ø4mm x 4mm
Note		Supporting 20Mbps & 2kV ESD for ABZ signal Supporting a connector for I2C (for Engineer)

Layout for PCB

Connector : 12505WR-11

[Pin Map]

# Pin	Name	Description
1	GND	
2	VDD 5V	
3	Z-	
4	Z+	
5	B+	
6	B-	
7	A-	
8	A+	
9	U	
10	V	
11	W	

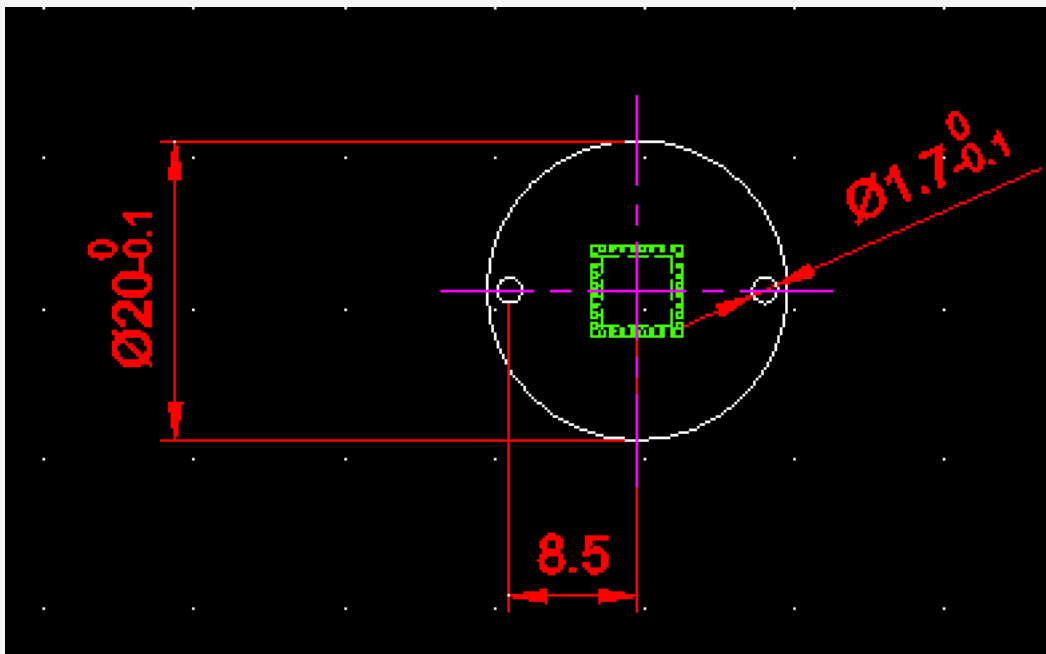
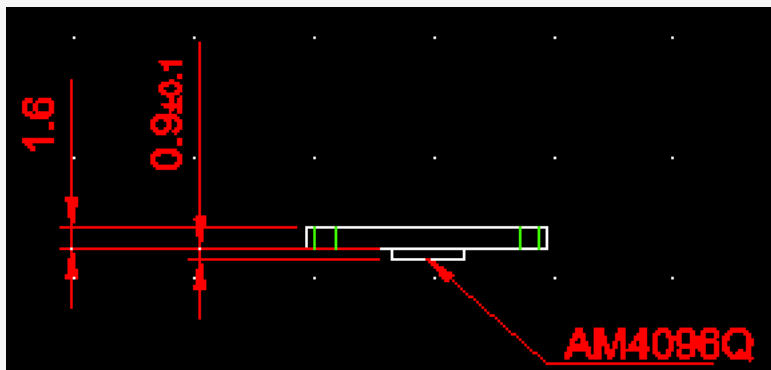


SFEIS-R12-D30-5V (20Pi)



Spec.		Description
Sensor Board	Resolution	Magnetic type 12 bit Incremental Encoder
	Speed	Able to sense maximum 30,000RPM
	Size	ø20
	I/O	ABZ(Single Ended)
	Power	5V for SFEIS-R12-D20-5V
	Zero set	Supporting presetable zero position
	Humidity	Moisture sensitivity level 3
	Connector	11pin connector with 1.25mm pitch
	Operating Condition	-40°C ~ +85°C
Magnet	Material	Diametrically polarized Neodymium Magnet
	Size	ø4mm x 4mm
Note		Supporting 20Mbps & 2kV ESD for ABZ signal

Layout for PCB

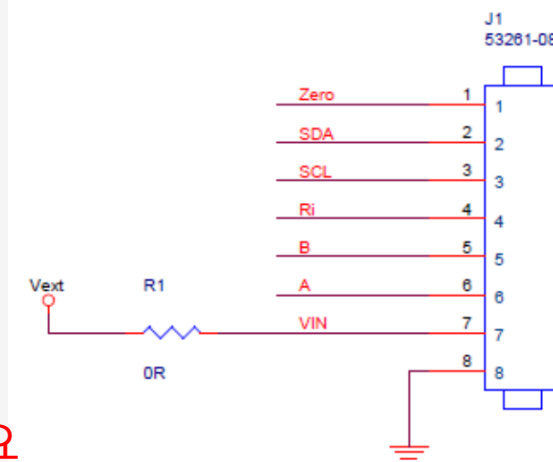


Connector : 53261-08

엔코더 센터와 자석의 센터가 다름 이 부분 정확히 확인 후 기구 설계 필요

[Pin Map]

# Pin	Name	Description
1	Zero	Ground short하면 동작
2	SDA	I2C통신용
3	SCL	I2C통신용
4	Ri	Index
5	B	B
6	A	A
7	V_in	VCC
8	GND	Ground



자석 위치

Mounting Instructions

