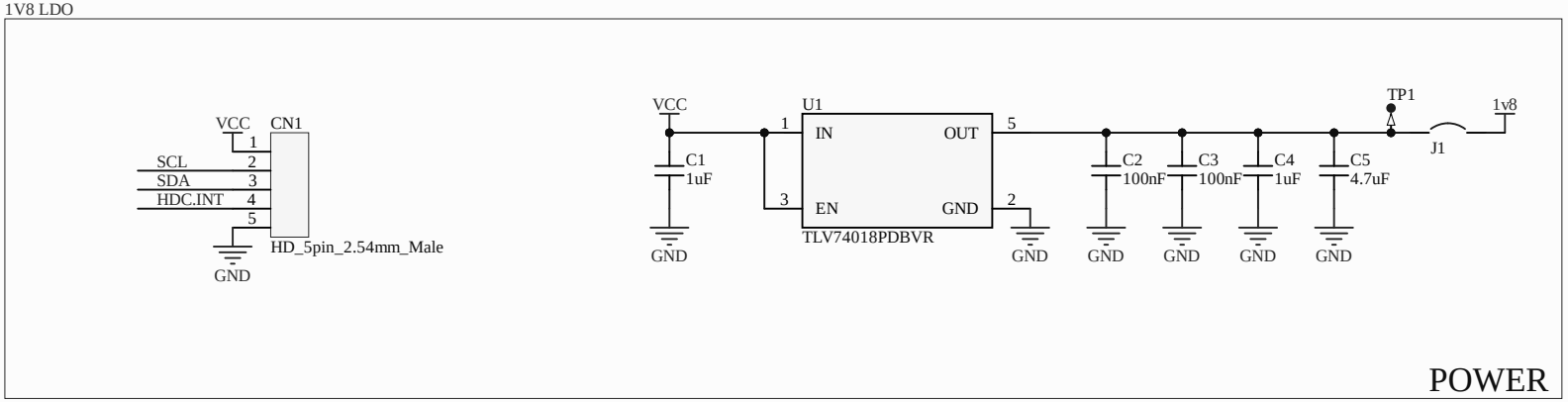
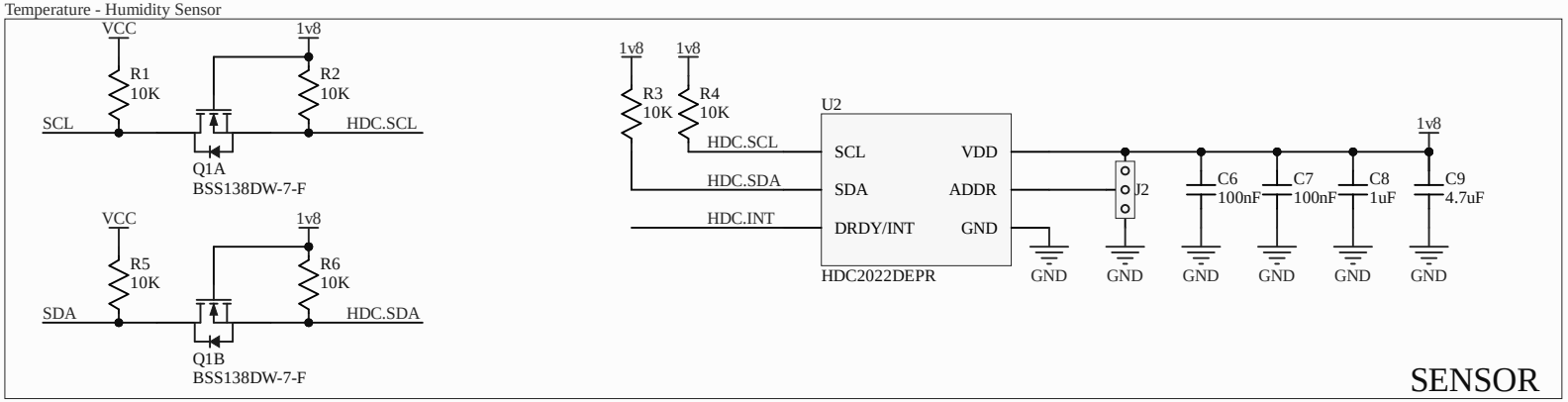
HDC2022 Sensor Board

1V8 LDO



Temperature - Humidity Sensor



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Date: 23.10.2020	Time: 07:01:13	Sheet 1 of 1	
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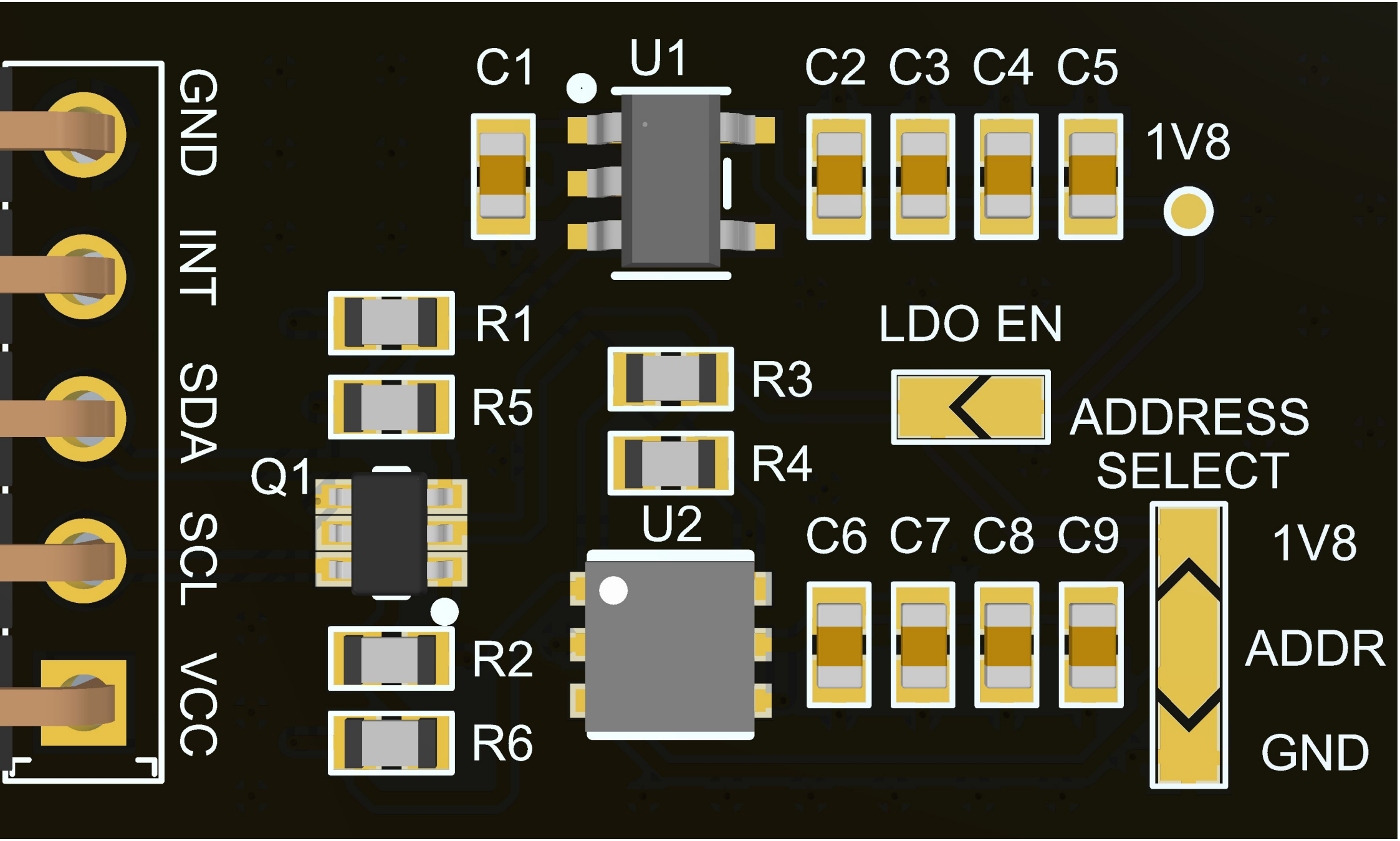
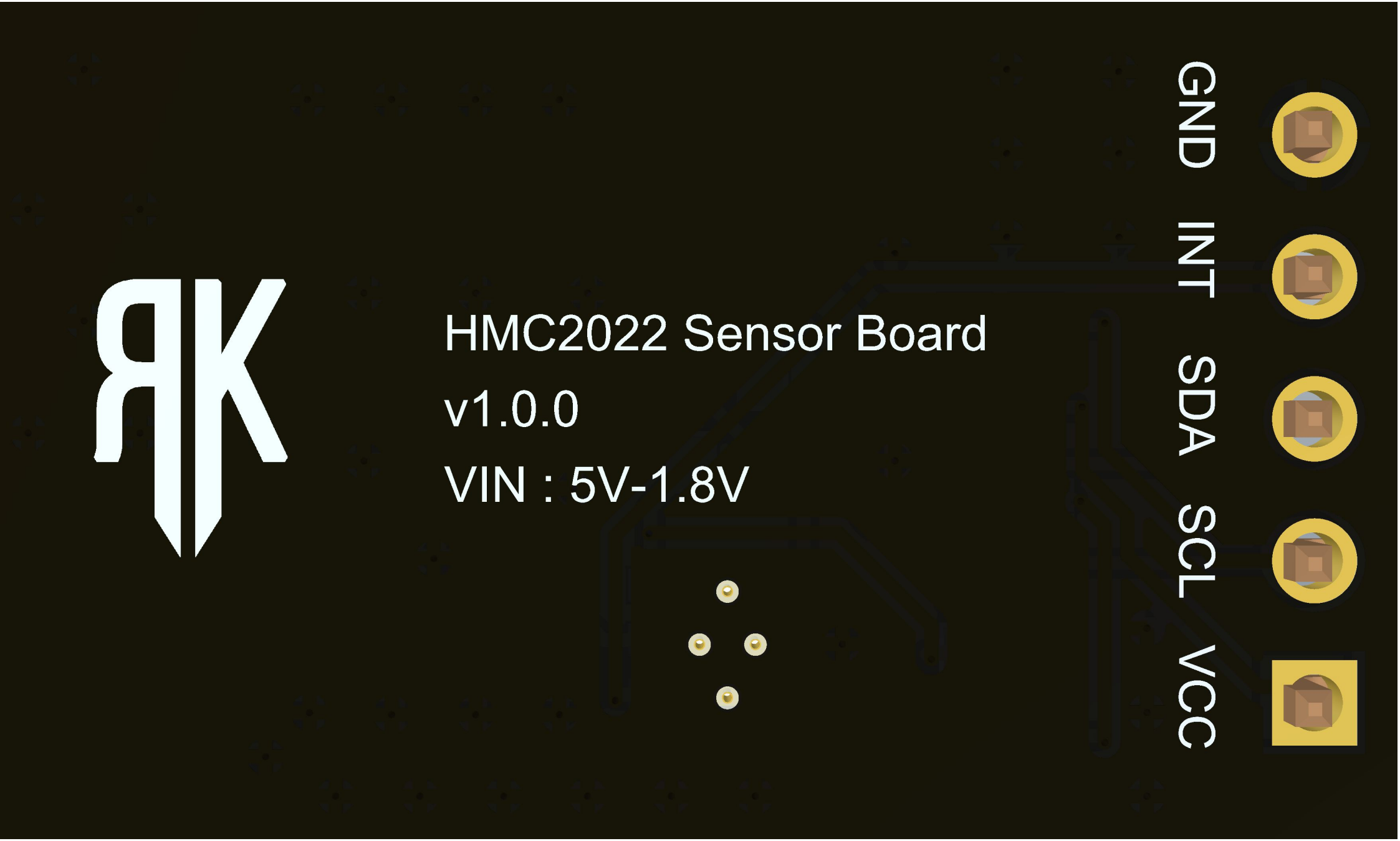
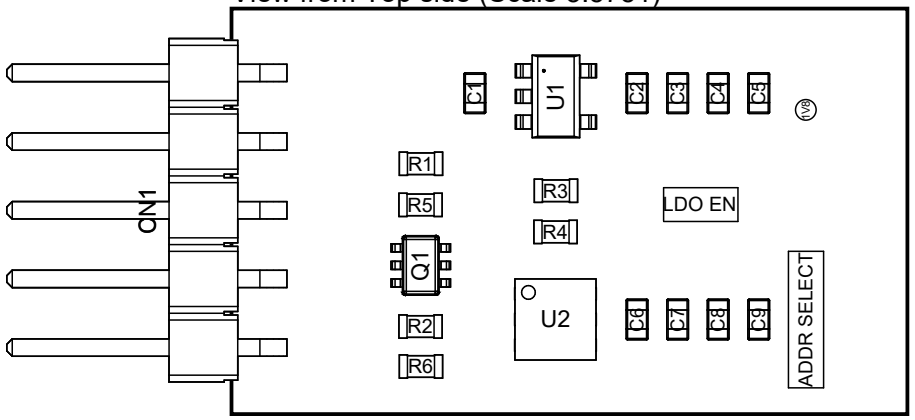
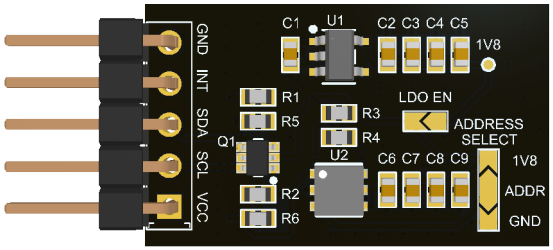
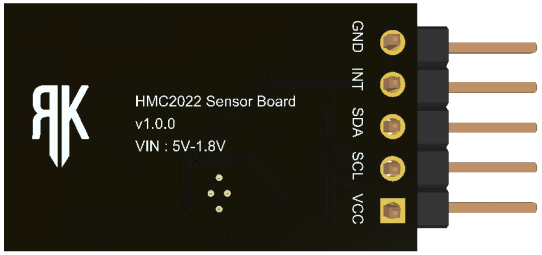

GND
INT
SDA
SCL
VCC
C1
U1
C2
C3
C4
C5
1V8
R1
R5
R3
R4
LDO EN
ADDRESS
SELECT
Q1
U2
C6
C7
C8
C9
1V8
ADDR
GND
R2
R6


HMC2022 Sensor Board
v1.0.0
VIN : 5V-1.8V
GND
INT
SDA
SCL
VCC

View from Top side (Scale 3.5751)







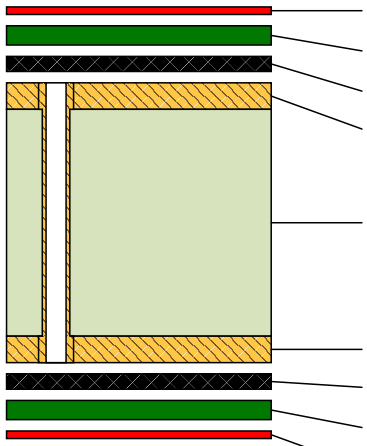
Bill Of Materials

Designator	Name	Quantity	Footprint
C1, C4, C8	1uF	3	CAP_0603
C2, C3, C6, C7	100nF	4	CAP_0603
C5, C9	4.7uF	2	CAP_0603
CN1	HD_5pin_2.54mm_Male	1	HD_5pin_2.54mm_male
Q1	BSS138DW-7-F	1	DIOD-SOT363-6_V
R1, R2, R3, R4, R5, R6	10K	6	RES_0603
U1	TLV74018PDBVR	1	SOIC_DBVR_TEX
U2	HDC2022DEPR	1	WSON-6

Drill Table

Symbol	Count	Hole Size	Plated
△	46	0.13mm	Plated
○	4	0.15mm	Plated
□	5	1.02mm	Plated
	55 Total		

Layer Stack Legend



Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.03mm	SM-001	Solder Mask	GTS
PbSn	Top Surface Finish	0.02mm		Surface Finish	
CF-004	Top Layer	0.04mm		Signal	GTL
Core		*1.50mm*	*Core-043*	*Dielectric*	
CF-004	Bottom Layer	0.04mm		Signal	GBL
PbSn	Bottom Surface Finish	0.02mm		Surface Finish	
Surface Material	Bottom Solder	0.03mm	SM-001	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

Total thickness: 1.66mm