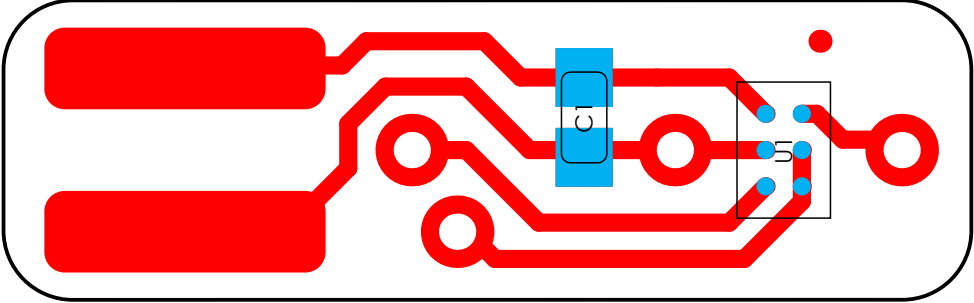


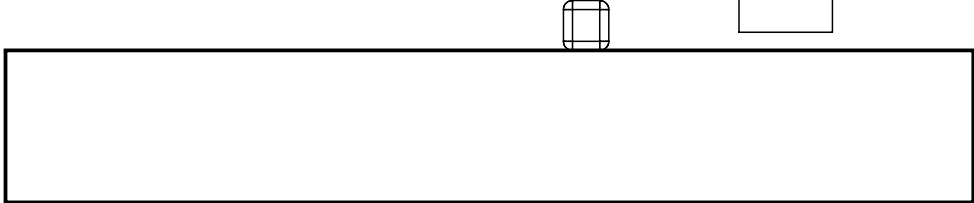
PCBA ASSEMBLY NOTES

1.
- ASSEMBLE PER IPC-A-610 CLASS 2
2.
- ASSEMBLE WITH ROHS-COMPLIANT LEAD-FREE PROCESS AND MATERIAL
3.
- WIRING VIEW PROVIDED FOR REFERENCE, USED FOR CUSTOMER FINAL ASSEMBLY

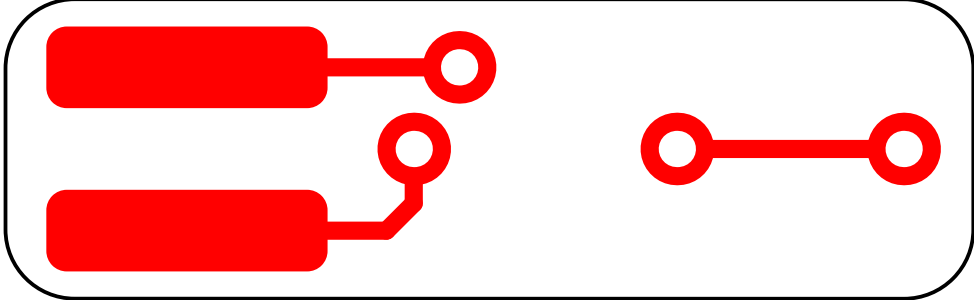
Top side (Scale 12:1)



Front side (Scale 12:1)



Bottom side (Scale 12:1)

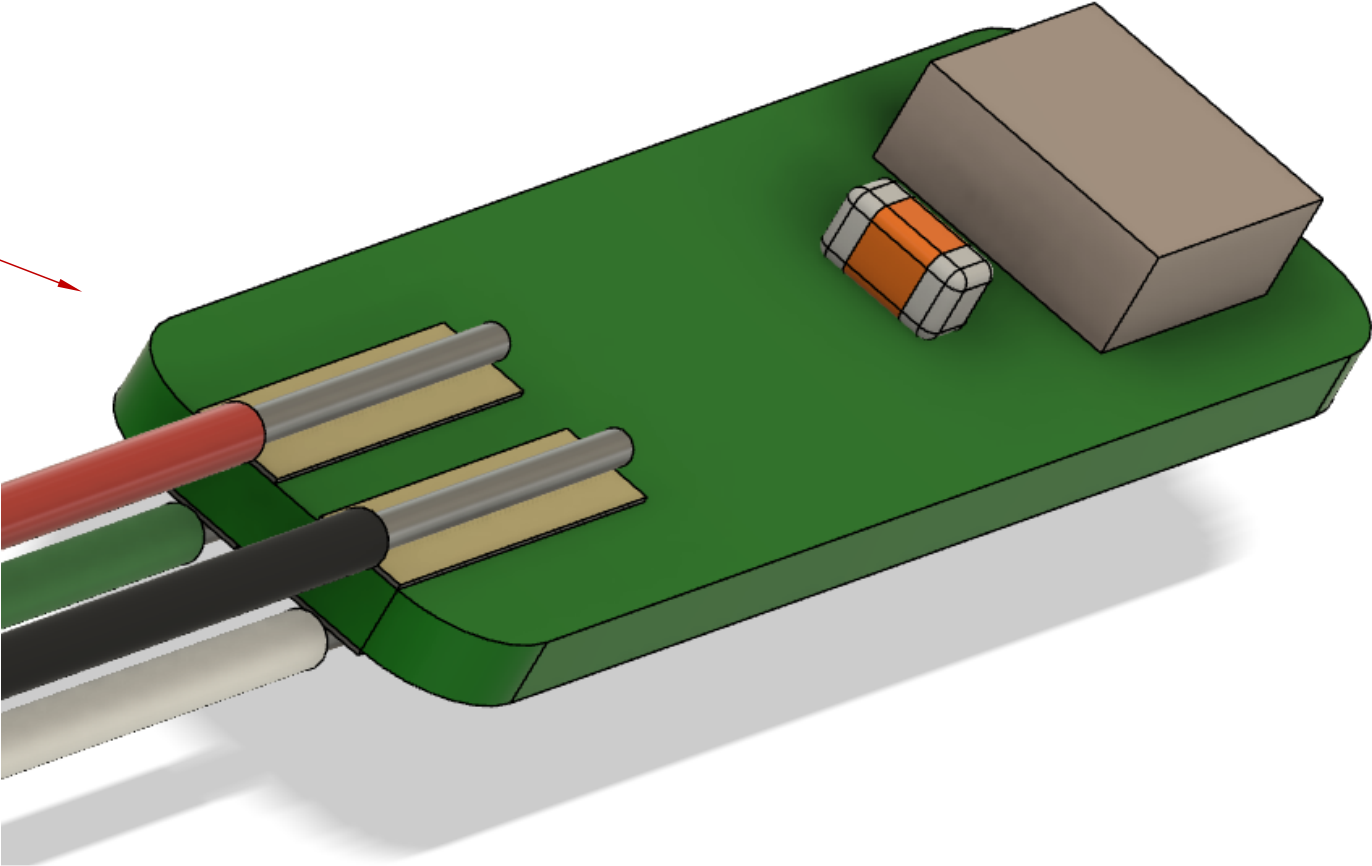


Bill Of Materials

Line #	Designator	Quantity	Manufacturer Part Number 1
1	C1	1	CL05B104KP5NNNC
2	U1	1	AS6212-AWLT-S

REVISION	DESCRIPTION	DATE
1	First Version	2022-09-16
1.1	Change C1 from 35V to 10V, layout remains the same - RTH	2023-12-08
2.1	Notes for open sourcing; Rev # to match main PCB - RTH	2025-06-03

3



Wiring View

AWG	COLOR	SIGNAL	XHP-4 PIN
28	RED	PWR	1
28	BLK	GND	2
28	GRN	SDA	3
28	WHT	SCL	4

Licensed under CERN-OHL-P v2
Source package at <https://docs.2to8.cc>

New Horizons

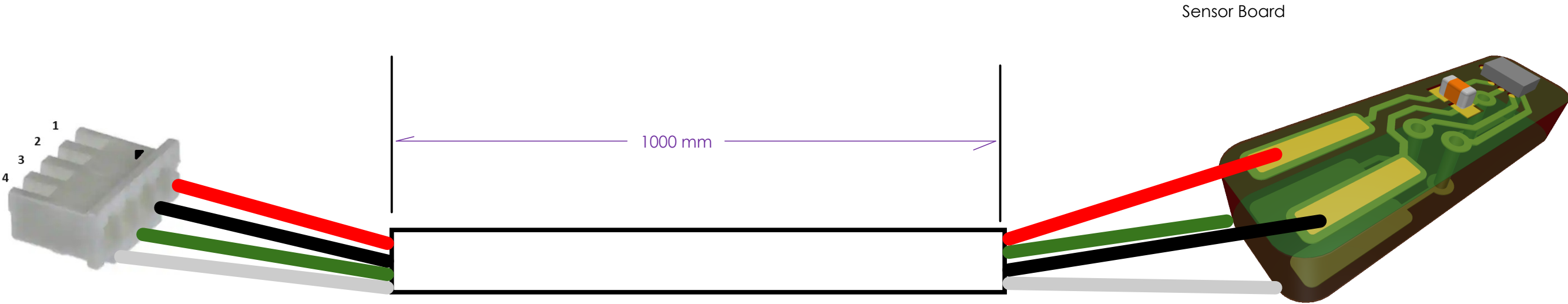
PROJECT
AMS Sensor

REV
2.1



Rod Hinman
808-989-0977
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2025-06-03

REVISION	DESCRIPTION	DATE



Housing: JST XHP-4
Contacts: JST SXH-001T-P0.6
or JST SXH-002T-P0.6

Wiring View

AWG	COLOR	SIGNAL	XHP-4 PIN
28	RED	PWR	1
28	BLK	GND	2
28	GRN	SDA	3
28	WHT	SCL	4

New Horizons

PROJECT
AMS Sensor

REV
2.1



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