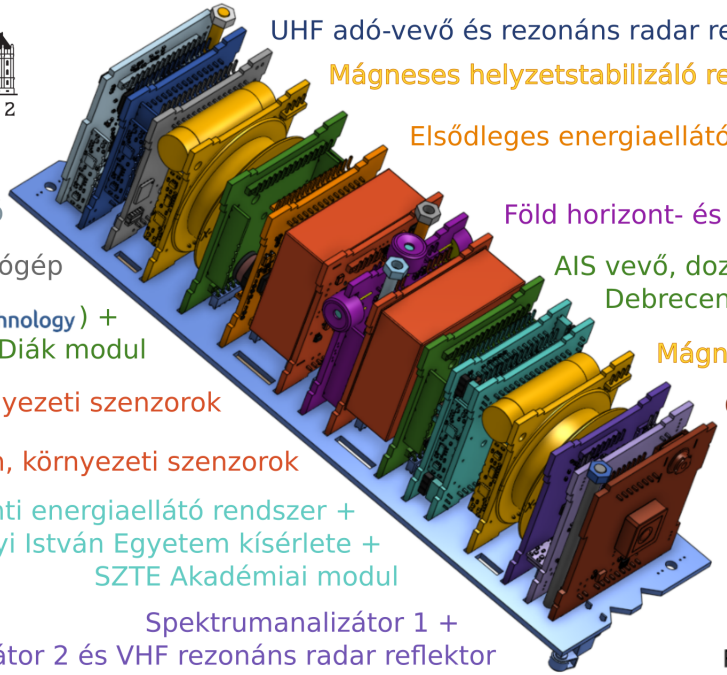
AZ MRC-100 POCKETQUBE MŰHOLD



MŰEGYETEM 1782

BME VILLAMOSMÉRNÖKI ÉS INFORMATIKAI KAR

Támogatóink

NMHH

H-ION

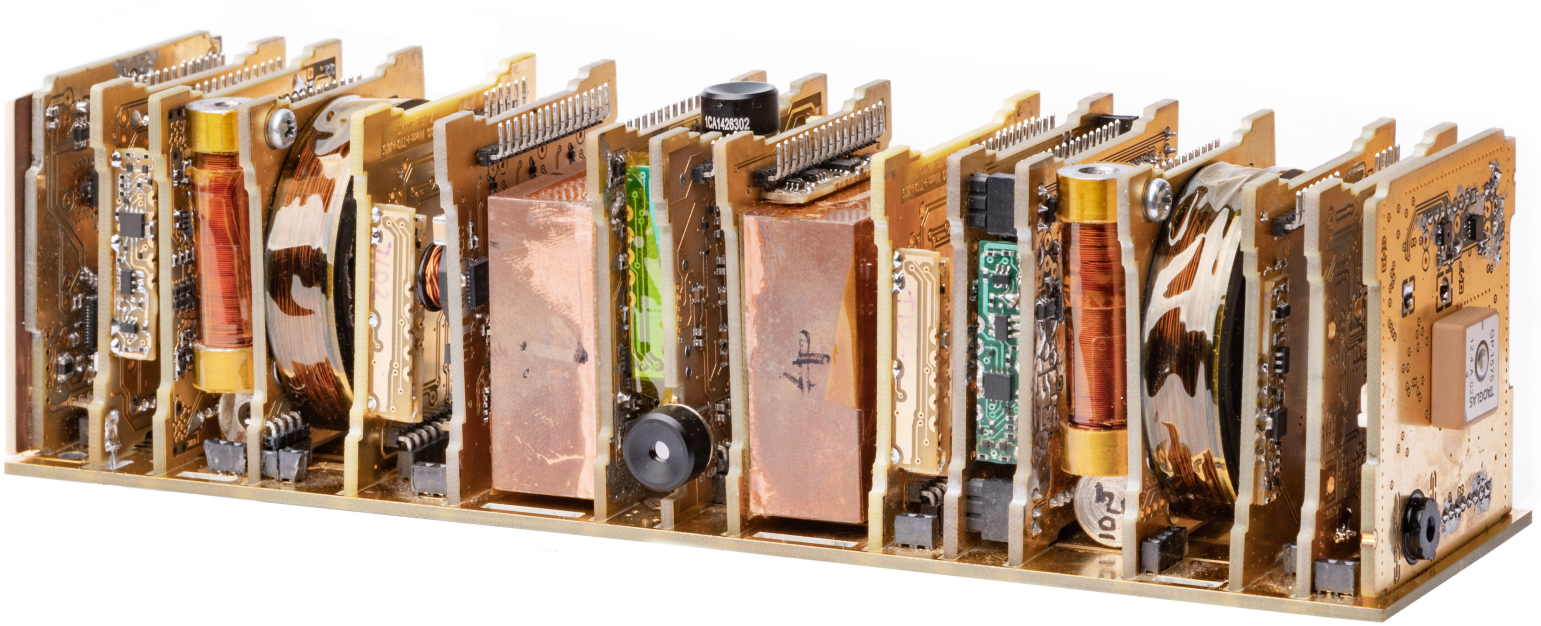
hvt

KÜLGAZDASÁGI ÉS KÜLÜGYMINISZTÉRIUM

Radar Research Group

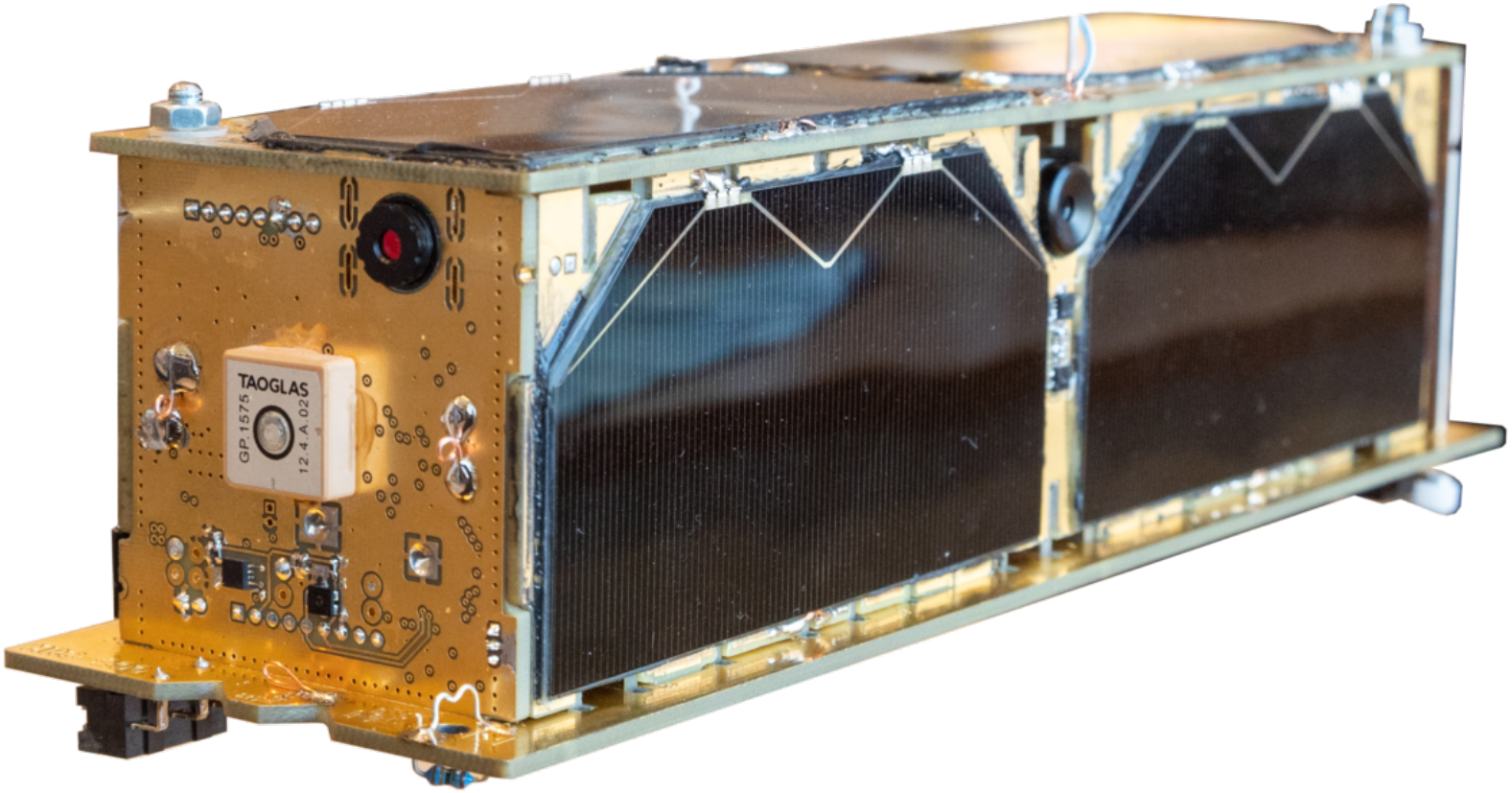
HA4TI

MRC-100 - 3 PQ



MRC-100 - 3 PQ

578 g - 5 x 5 x 15 cm - 800 mW DC



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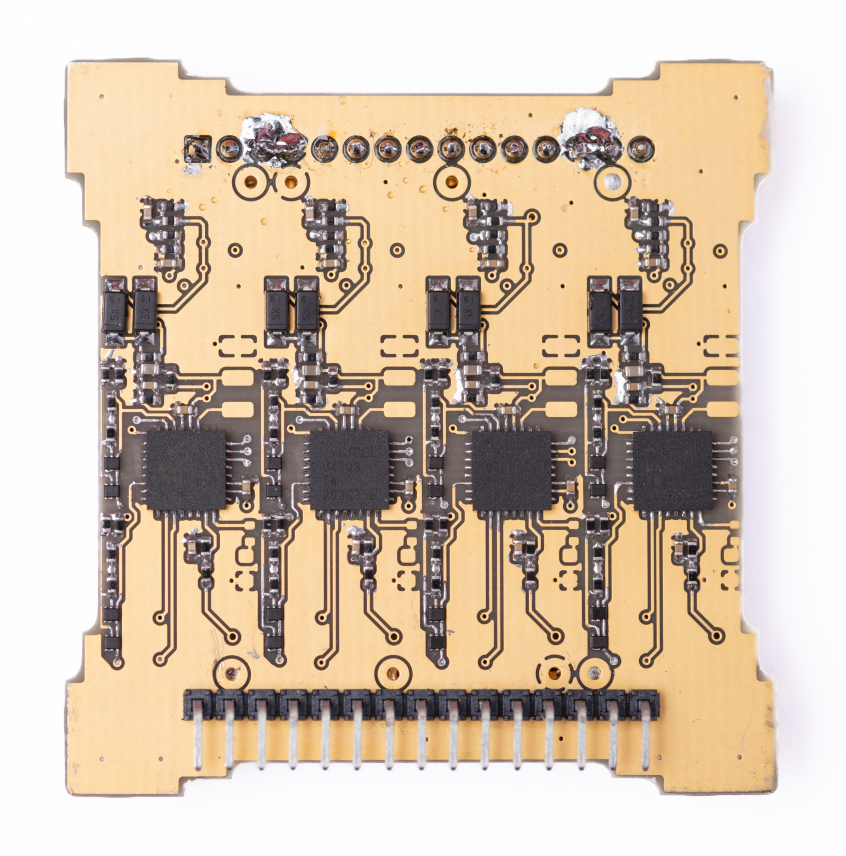

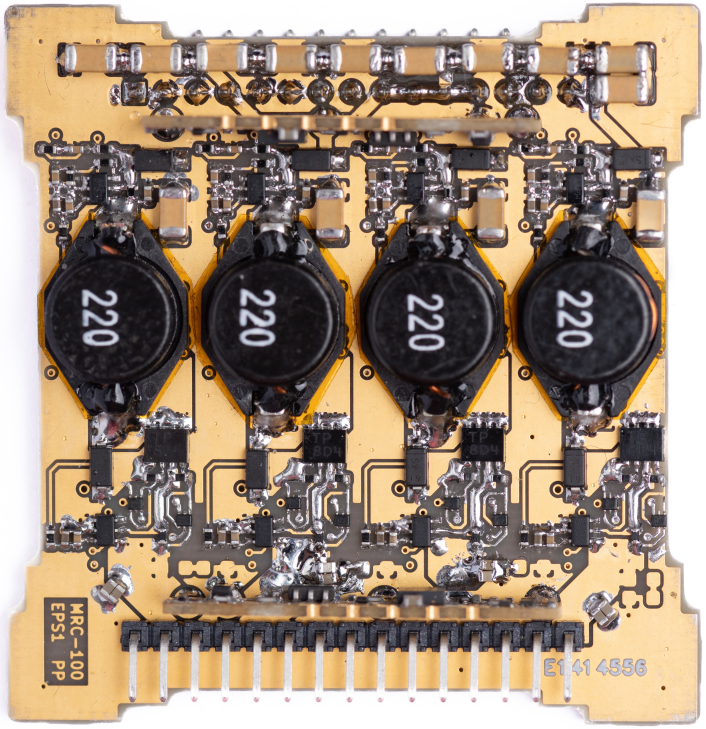

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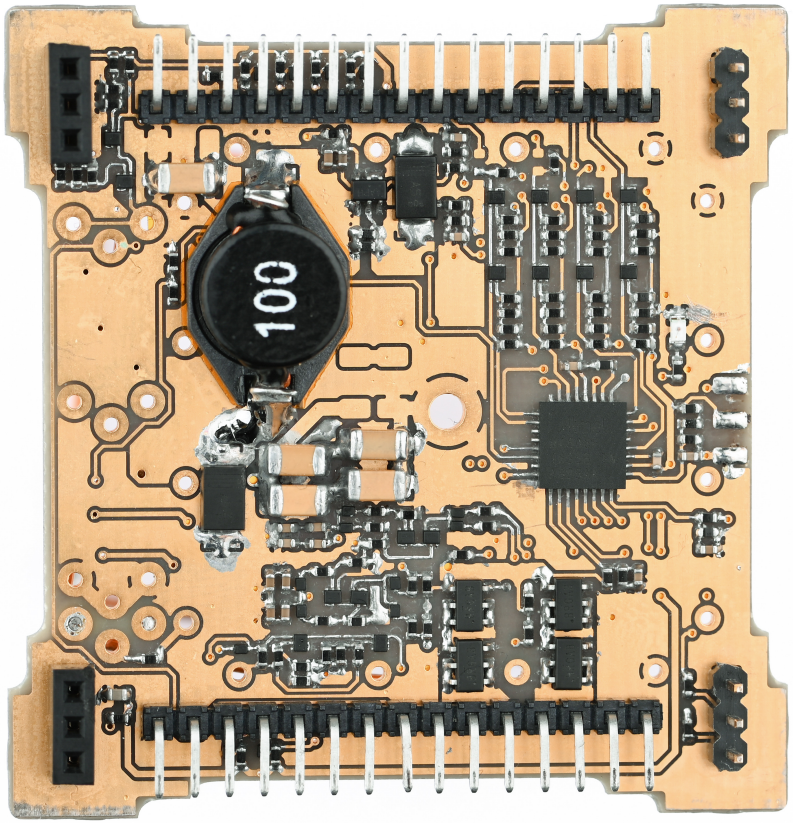
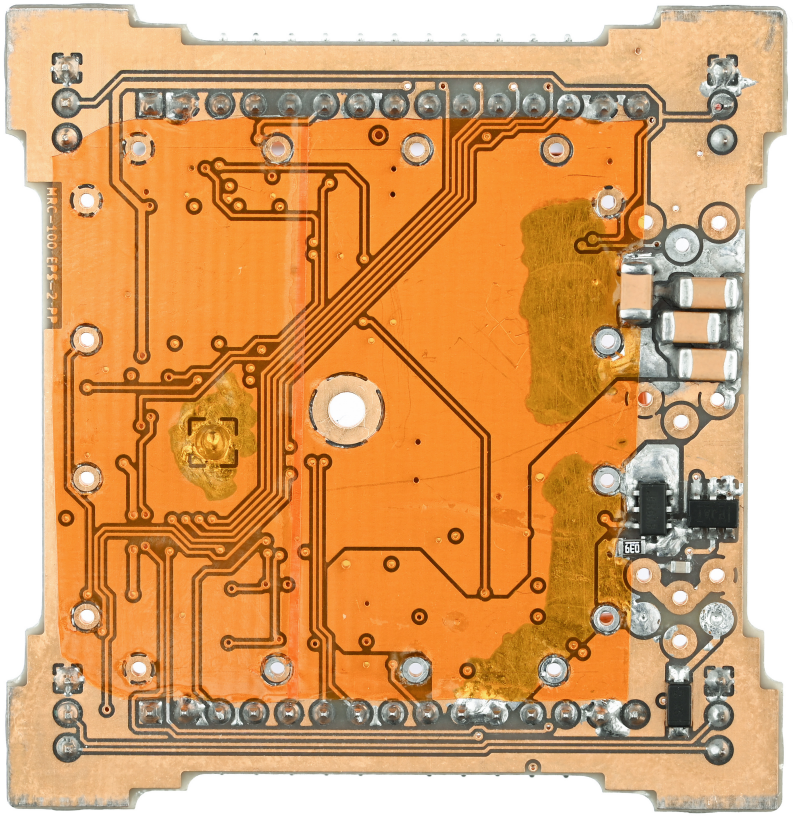
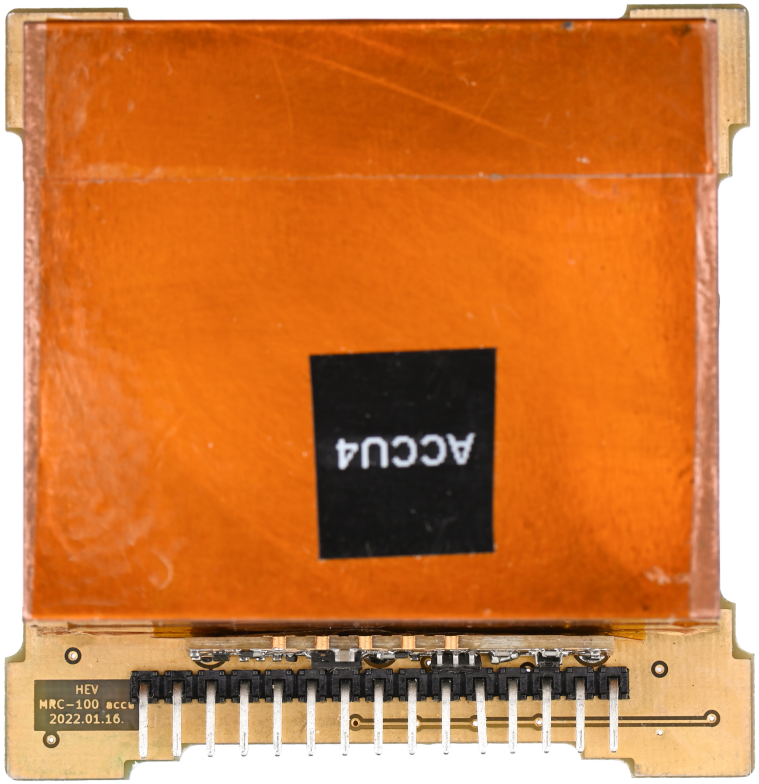
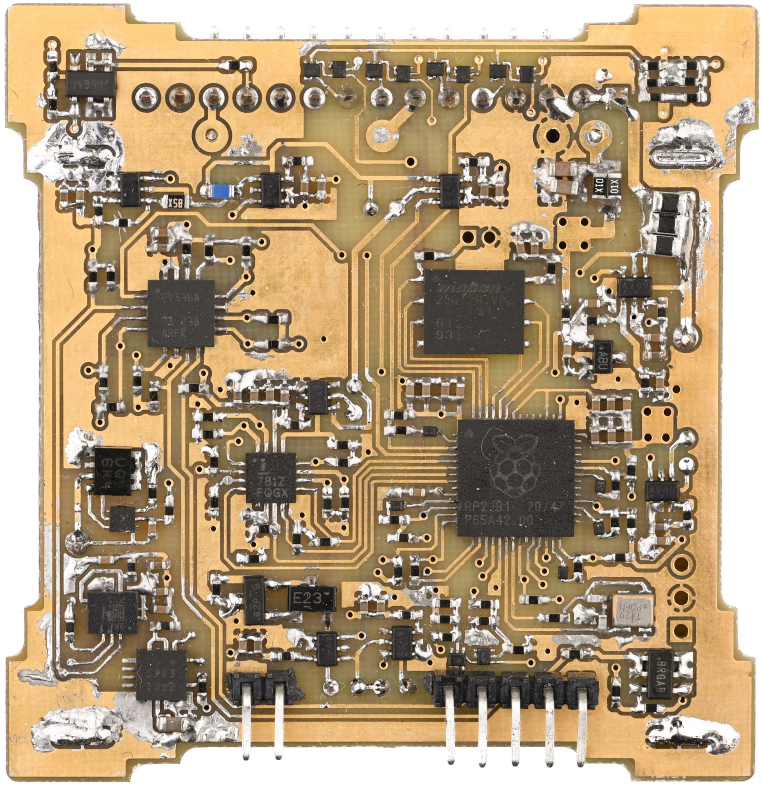




MRC-100 Battery





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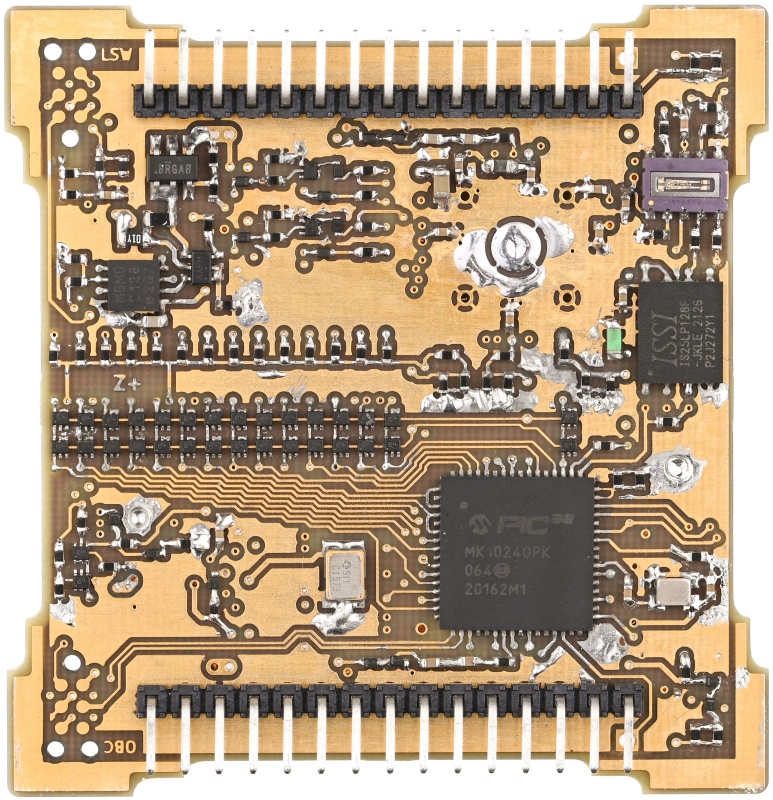
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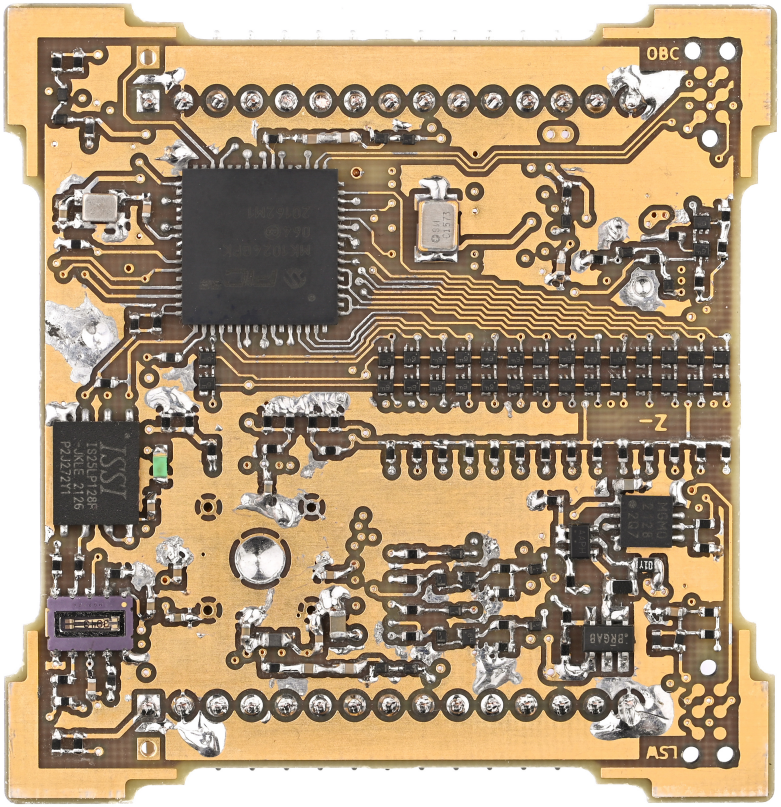
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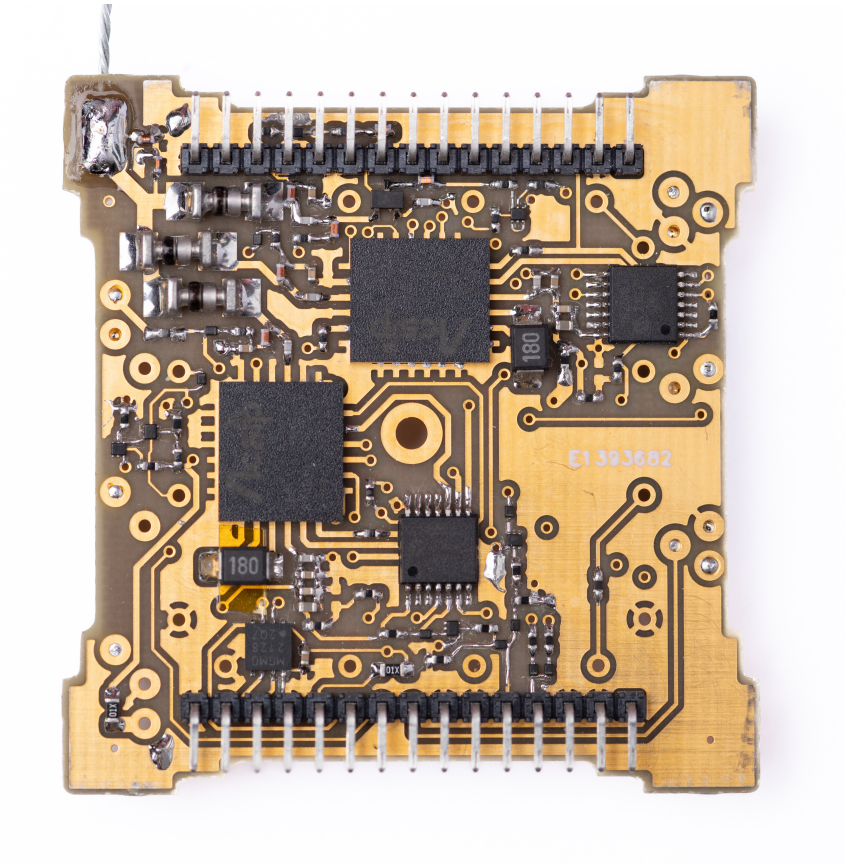
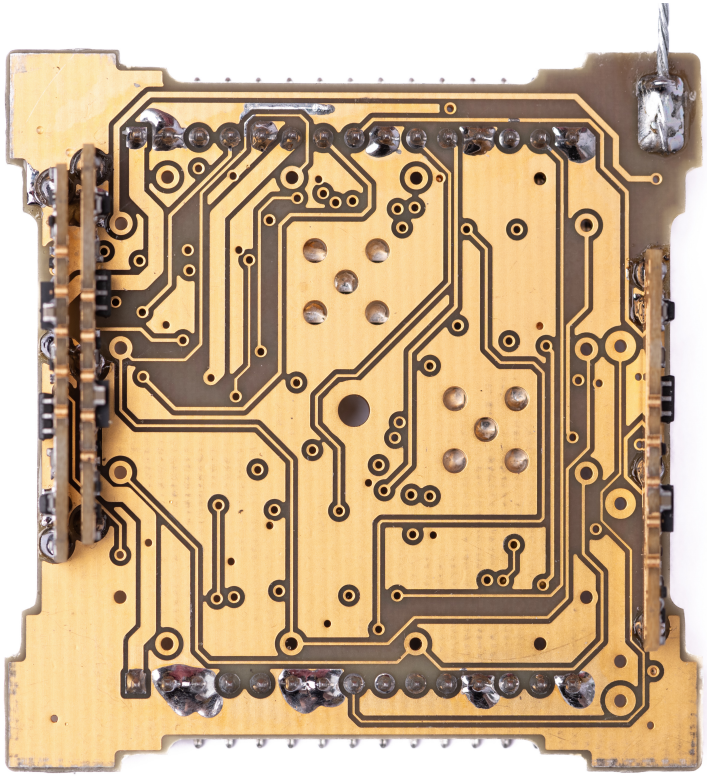
MRC-100 UHF COM





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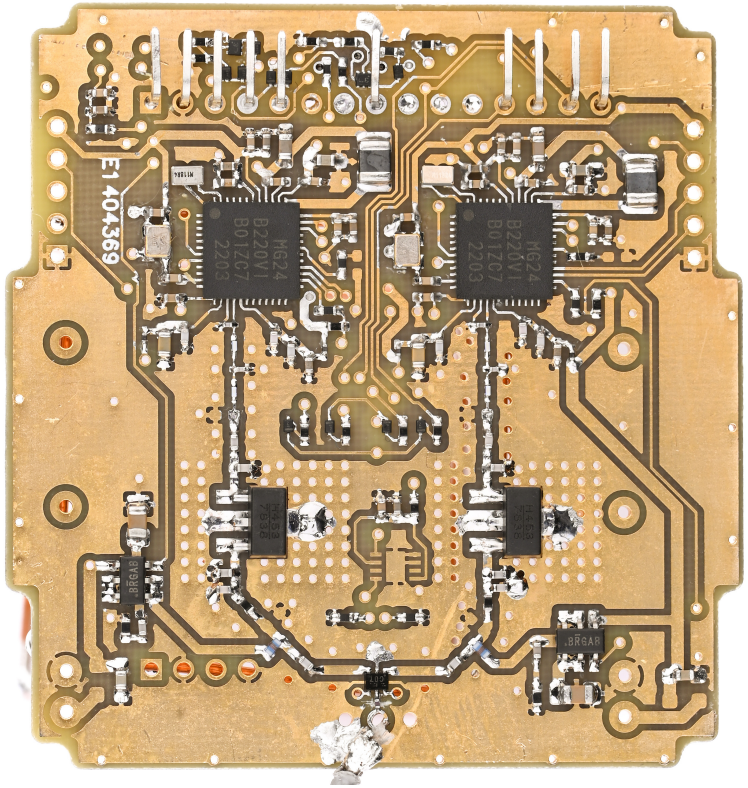
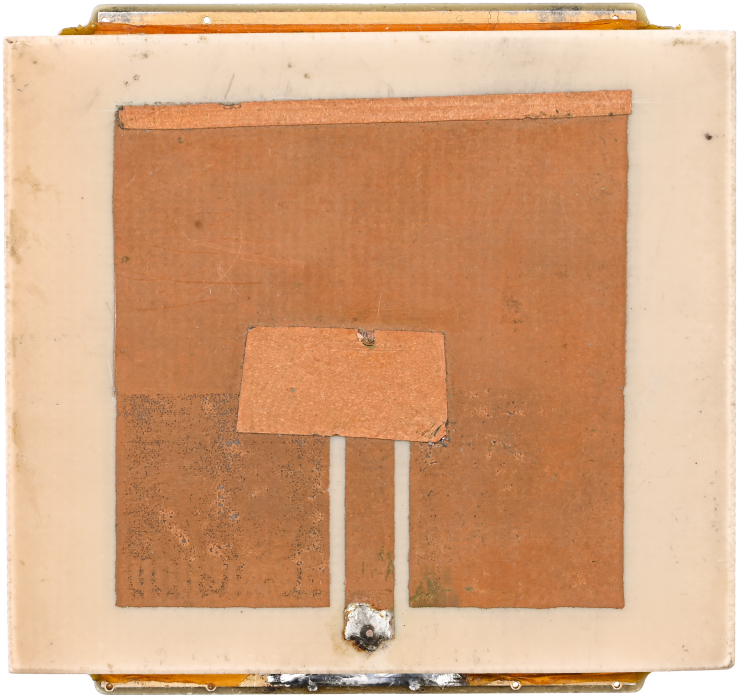
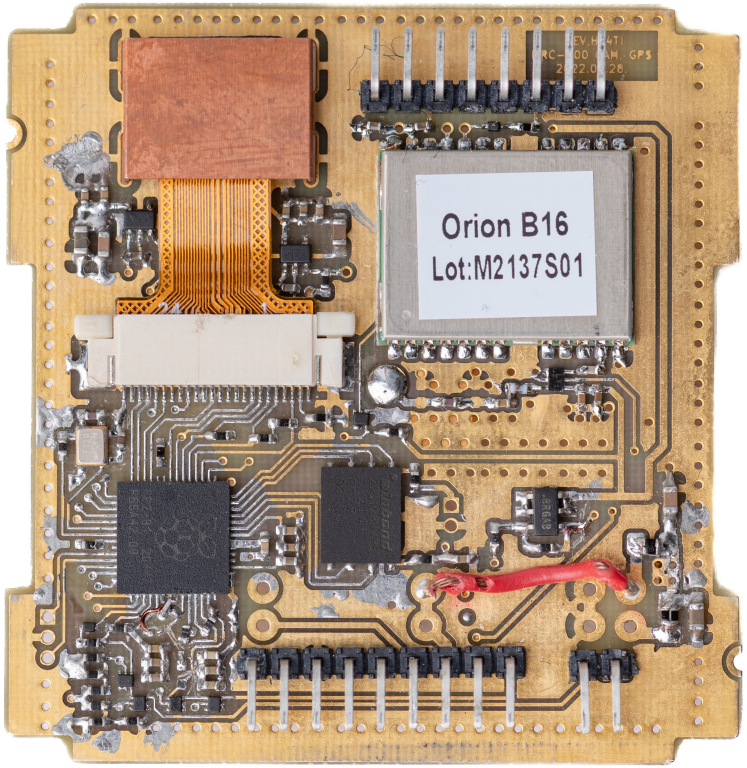
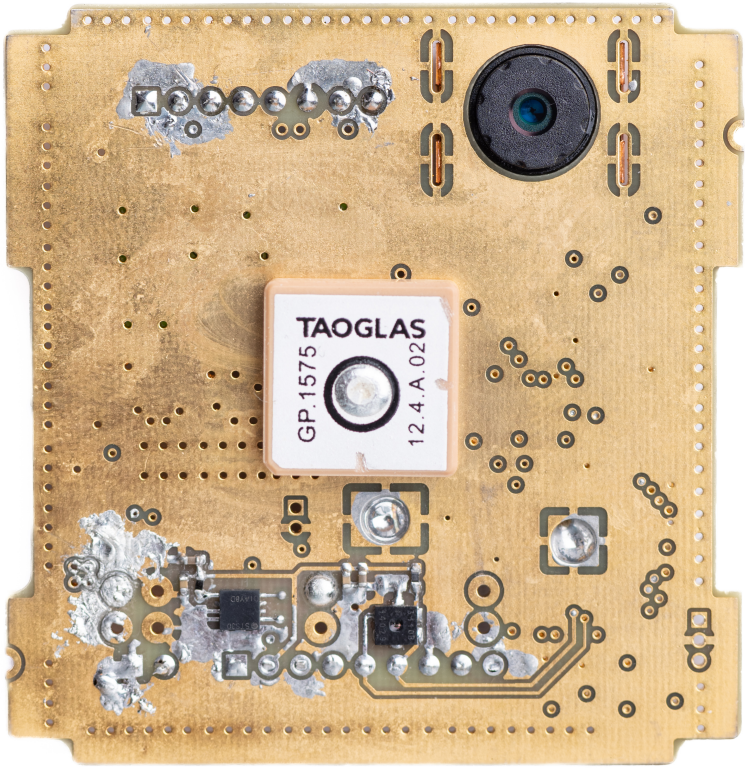


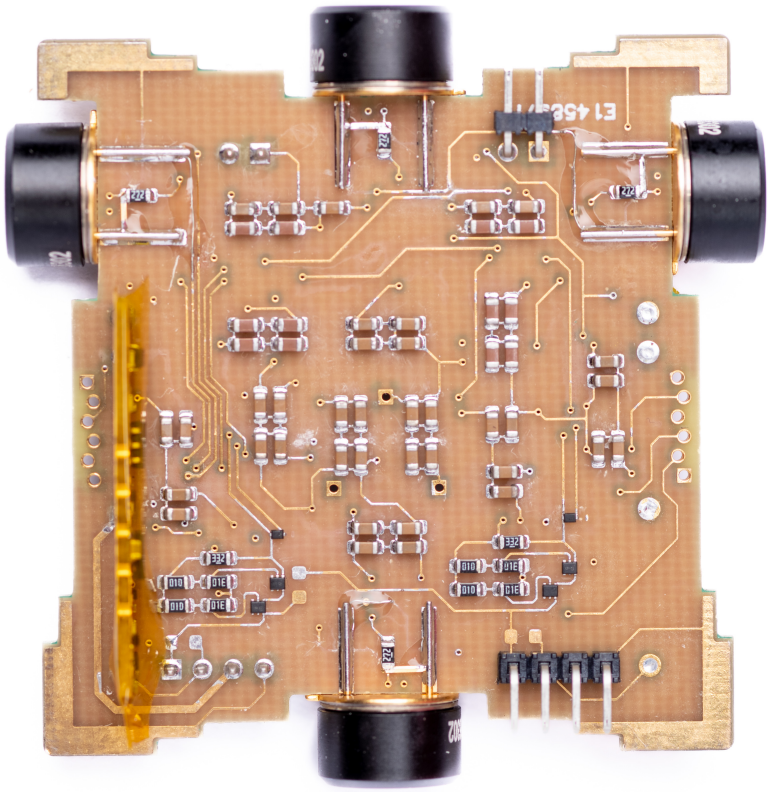


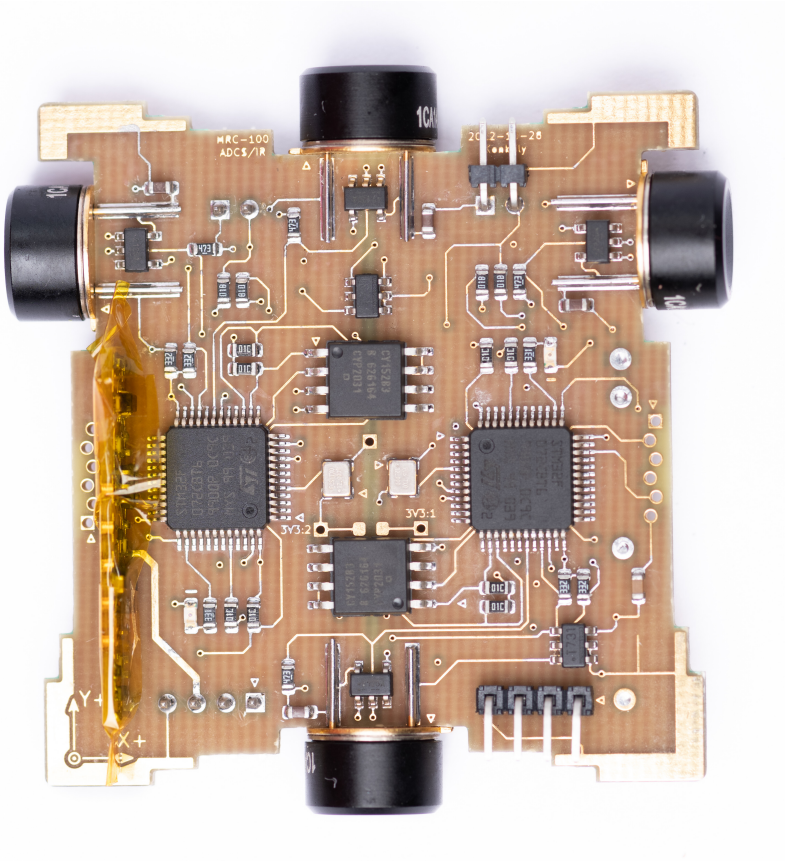
MRC-100 GPS + CAM





MRC-100 SUN





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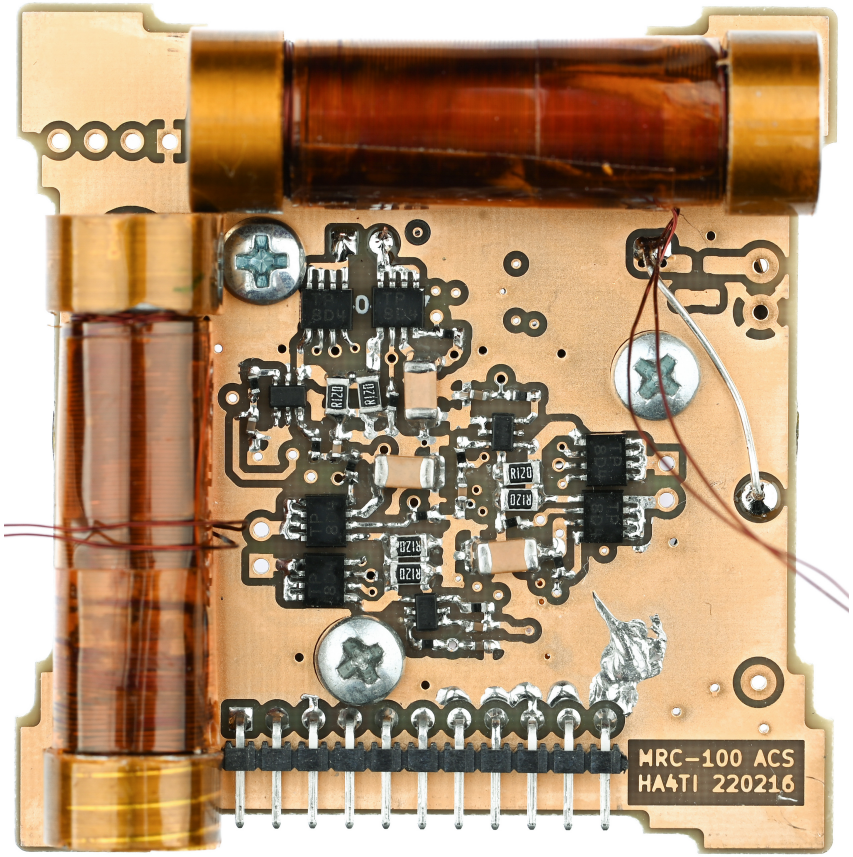

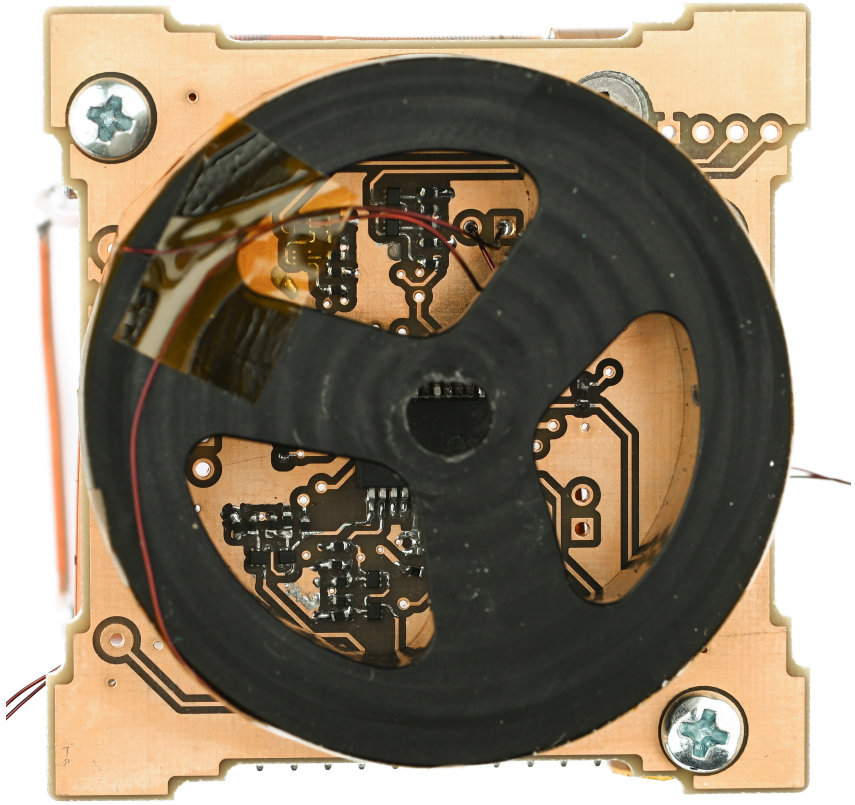

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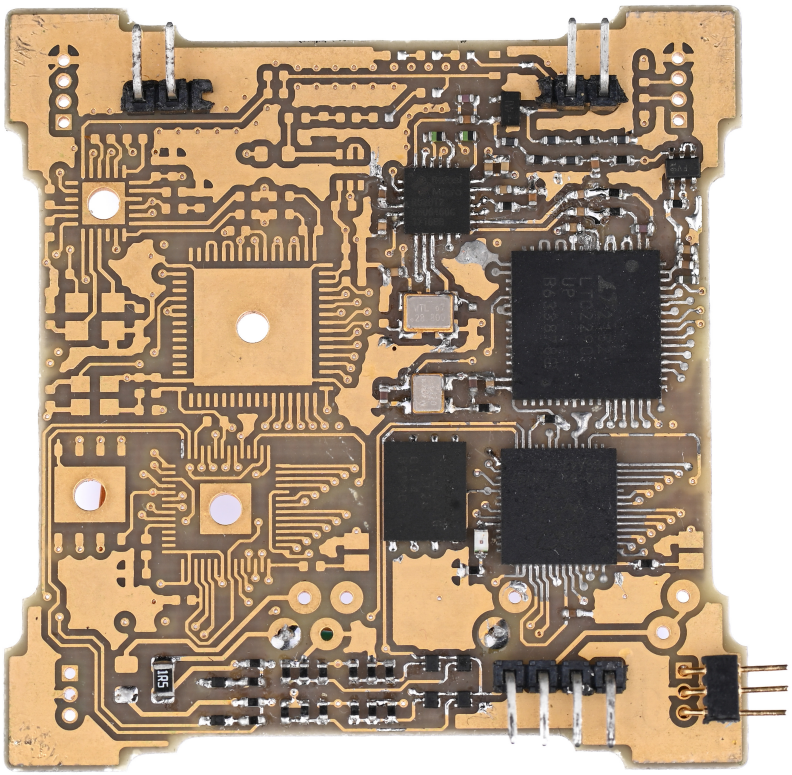

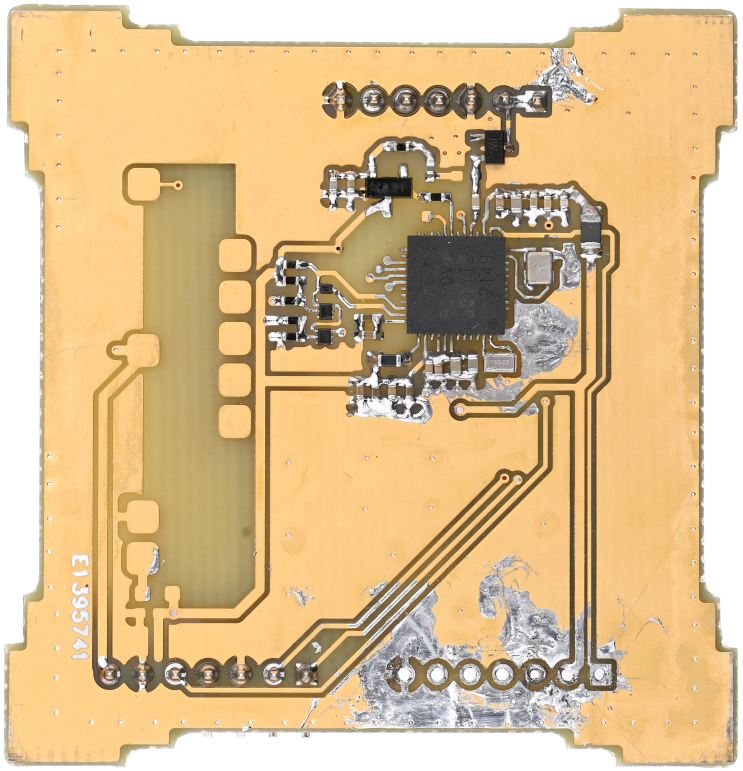

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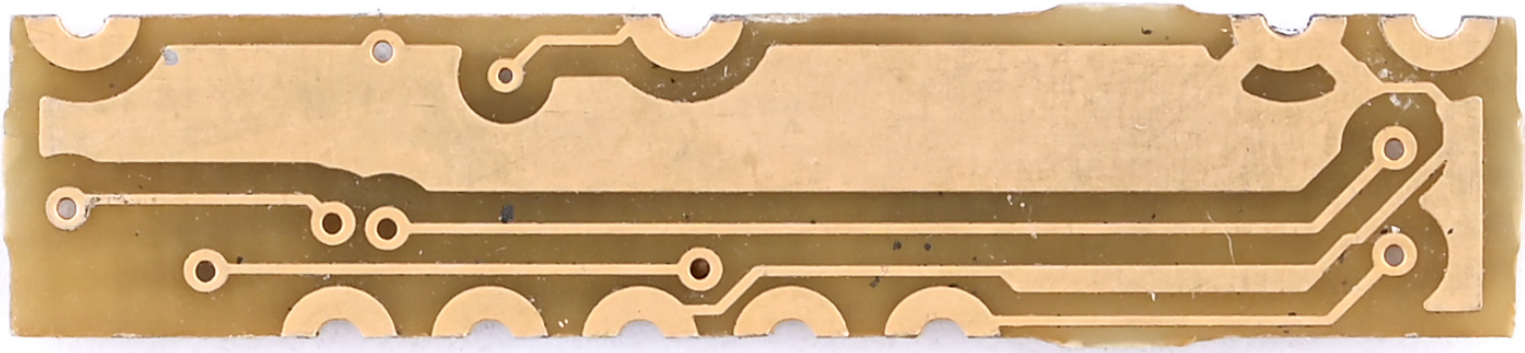
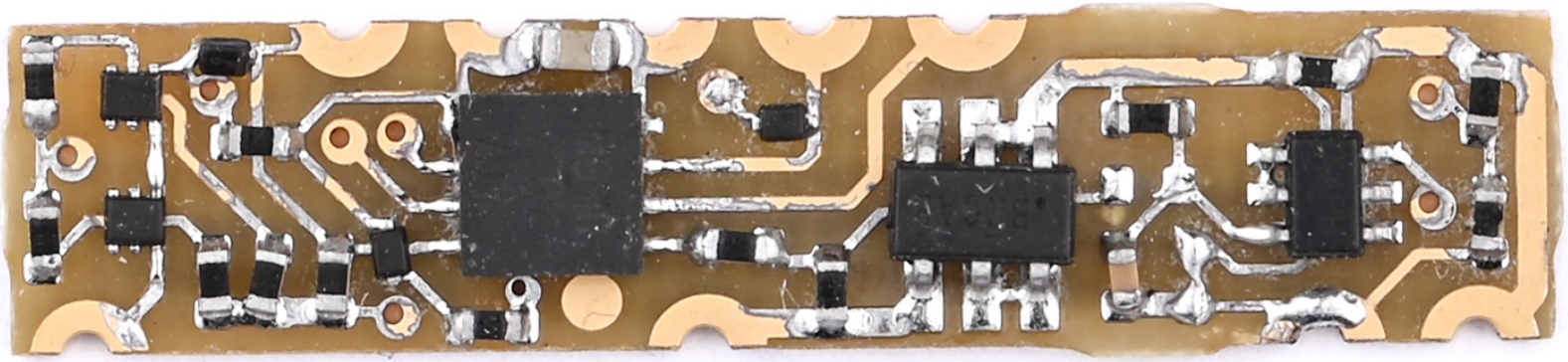
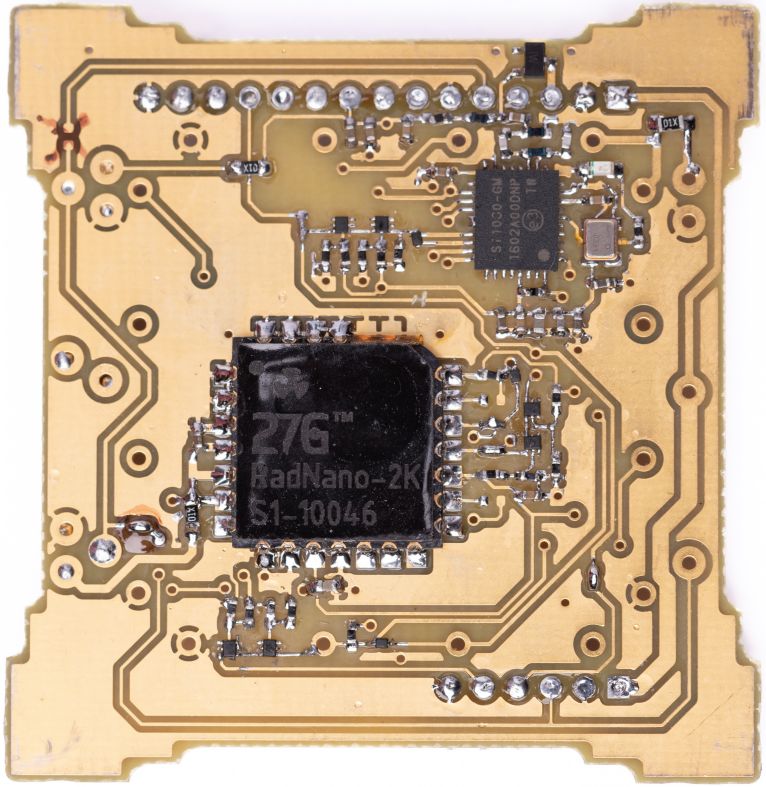
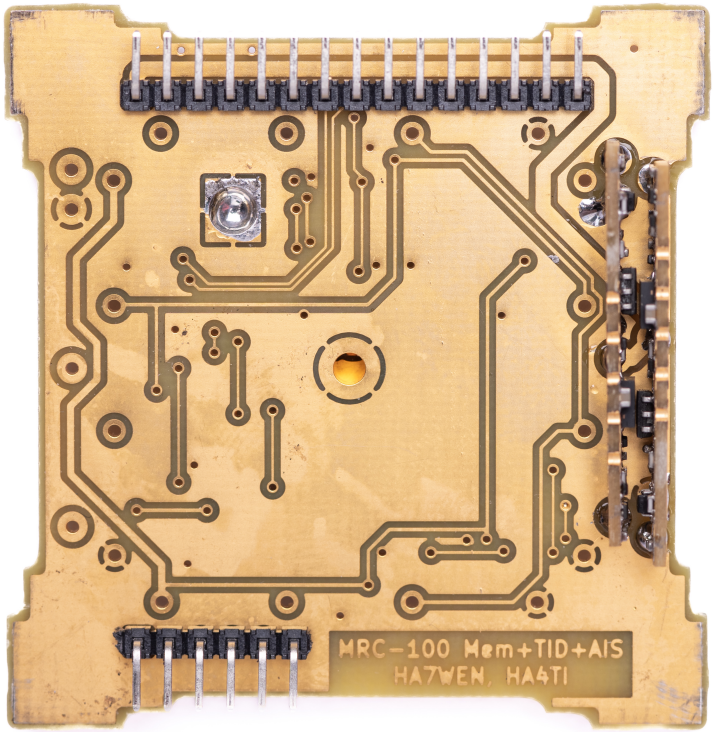




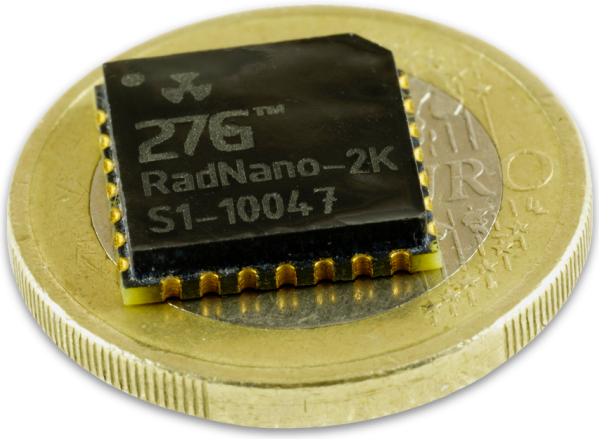
MRC-100 MEM + TID + AIS





MRC-100 TID

27G RadNano doziméterek



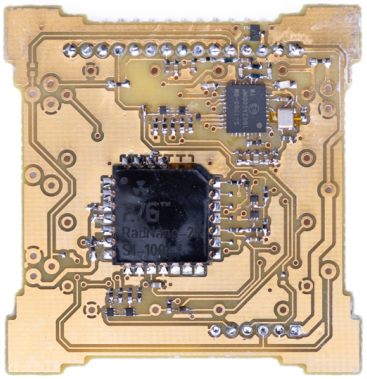
- Ionizáló sugárzási környezet monitorozása a műhold küldetése során
- 2 db. független egység az MRC-100 fedélzetén

Digitálisan előálló mérési eredmények:

- Teljes dózis (TID) mérés szilíciumban
- Precíziós hőmérséklet mérés (+/- 0,5 °C)
- Tápfeszültség mérés
- Precíz időzítés, 30 másodpercenként frissülnek az adatok

Főbb műszaki paraméterek:

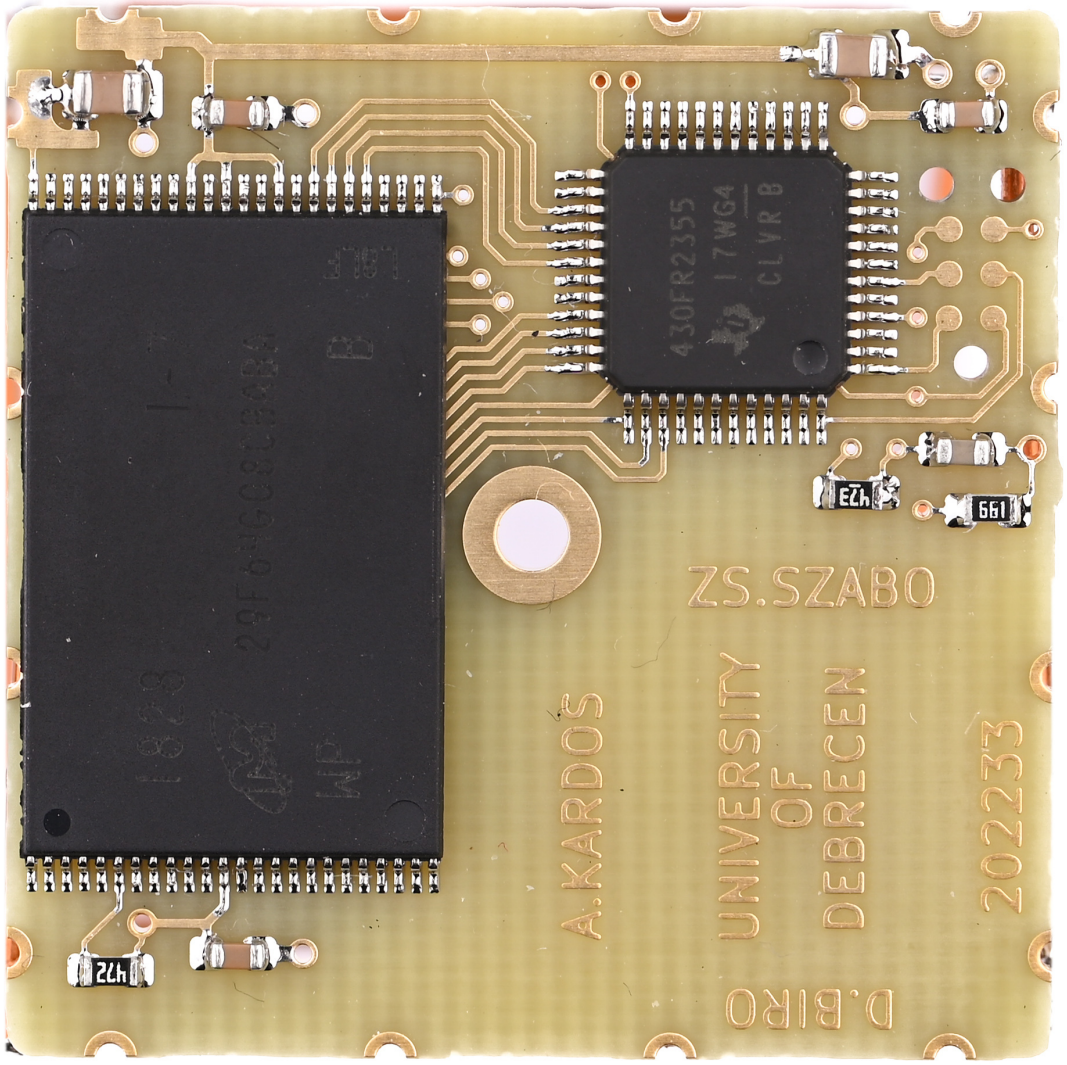
- 1 mGy… 20 Gy (0.1 … 2000 rad) mérési tartomány
- 12.7x12.7x2.5 mm befoglaló méret
- < 10 µW standby fogyasztás, < 10 mW méréskor
- 0.89 g össztömeg



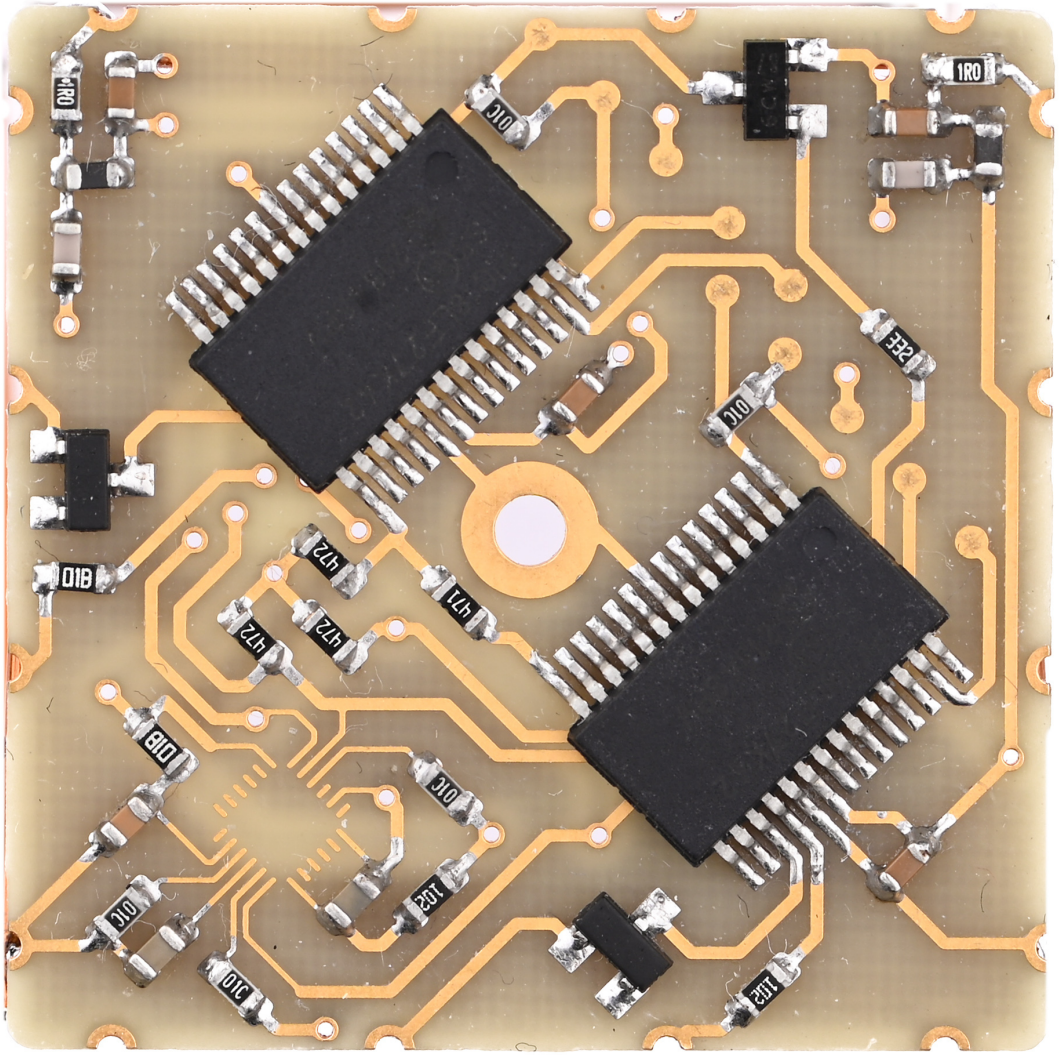
A 27G-Technology (27G) 2020-ban indult a SMOG-P indítása után, a fejlesztő csapat néhány végzett mérnök hallgatója alkotja a startup magját.

- Bővebb információk a 27G honlapján: www.27g.space

MRC-100 Debrecen



MRC-100 Győr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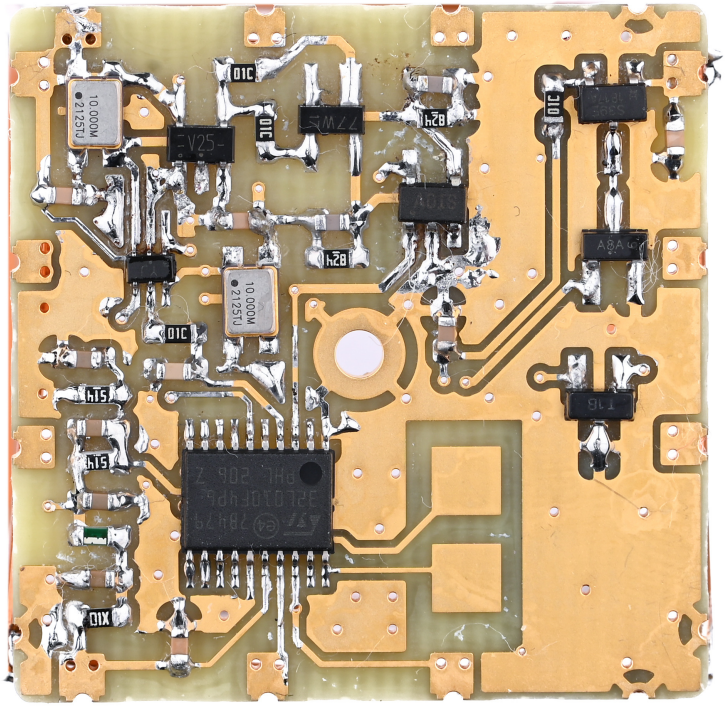
1R0
2E2
1E2
1E2
1

MRC-100 Szeged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10.000M
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T16
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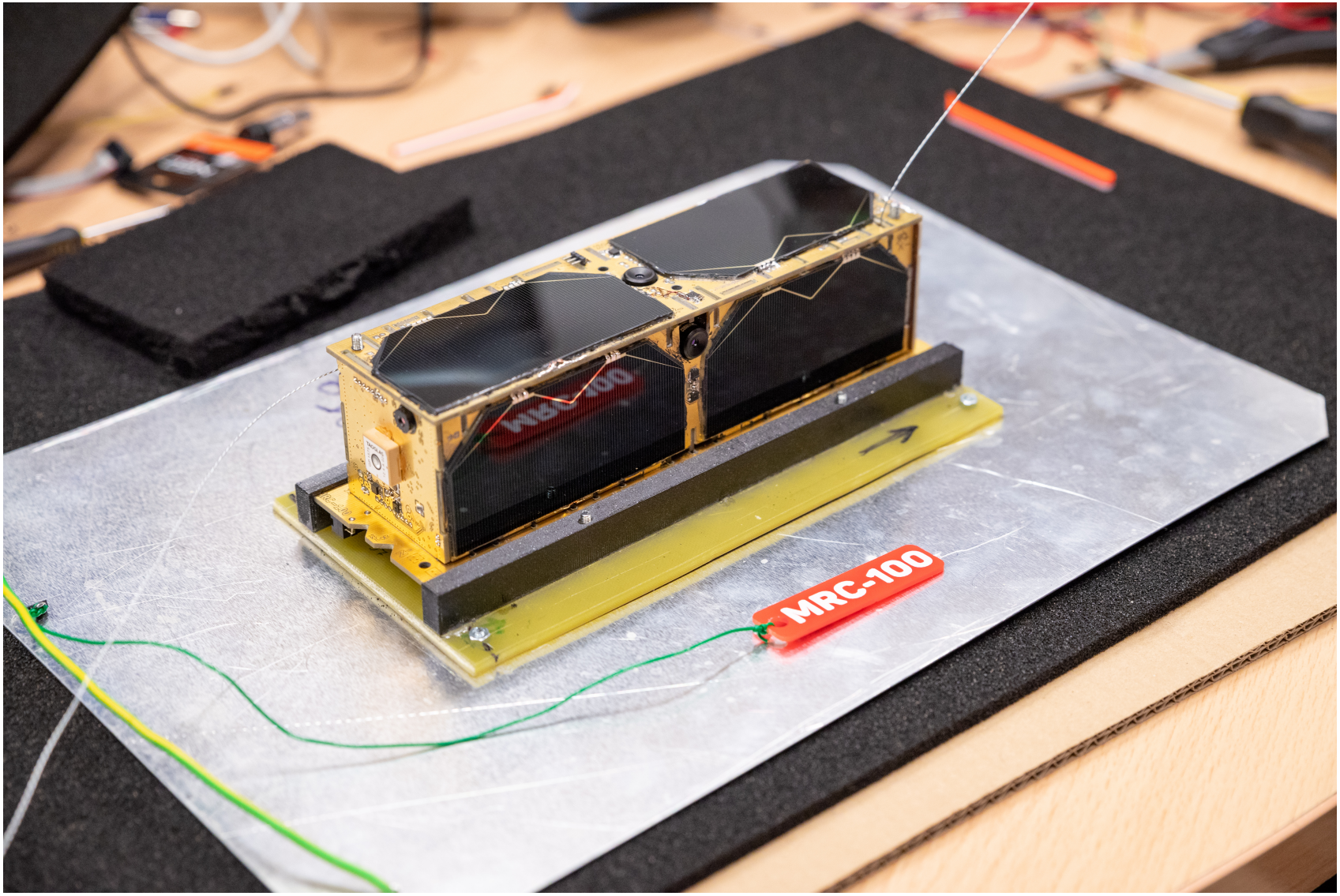
XIO
DIC
DIC
DIC

MRC-100



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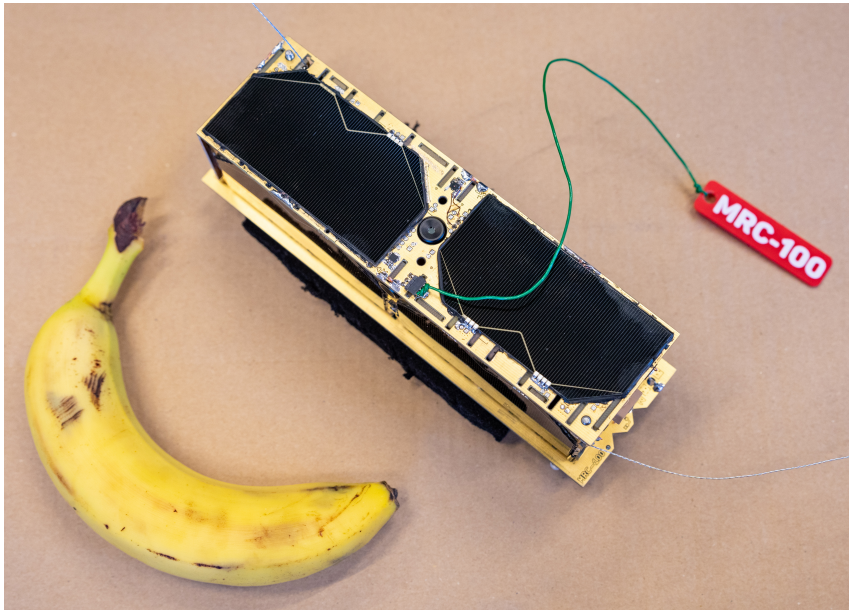
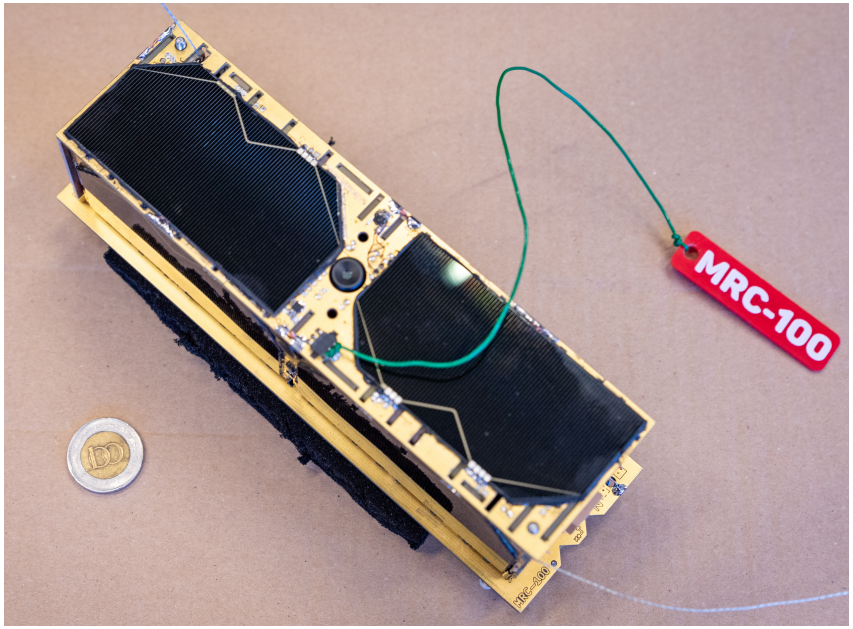
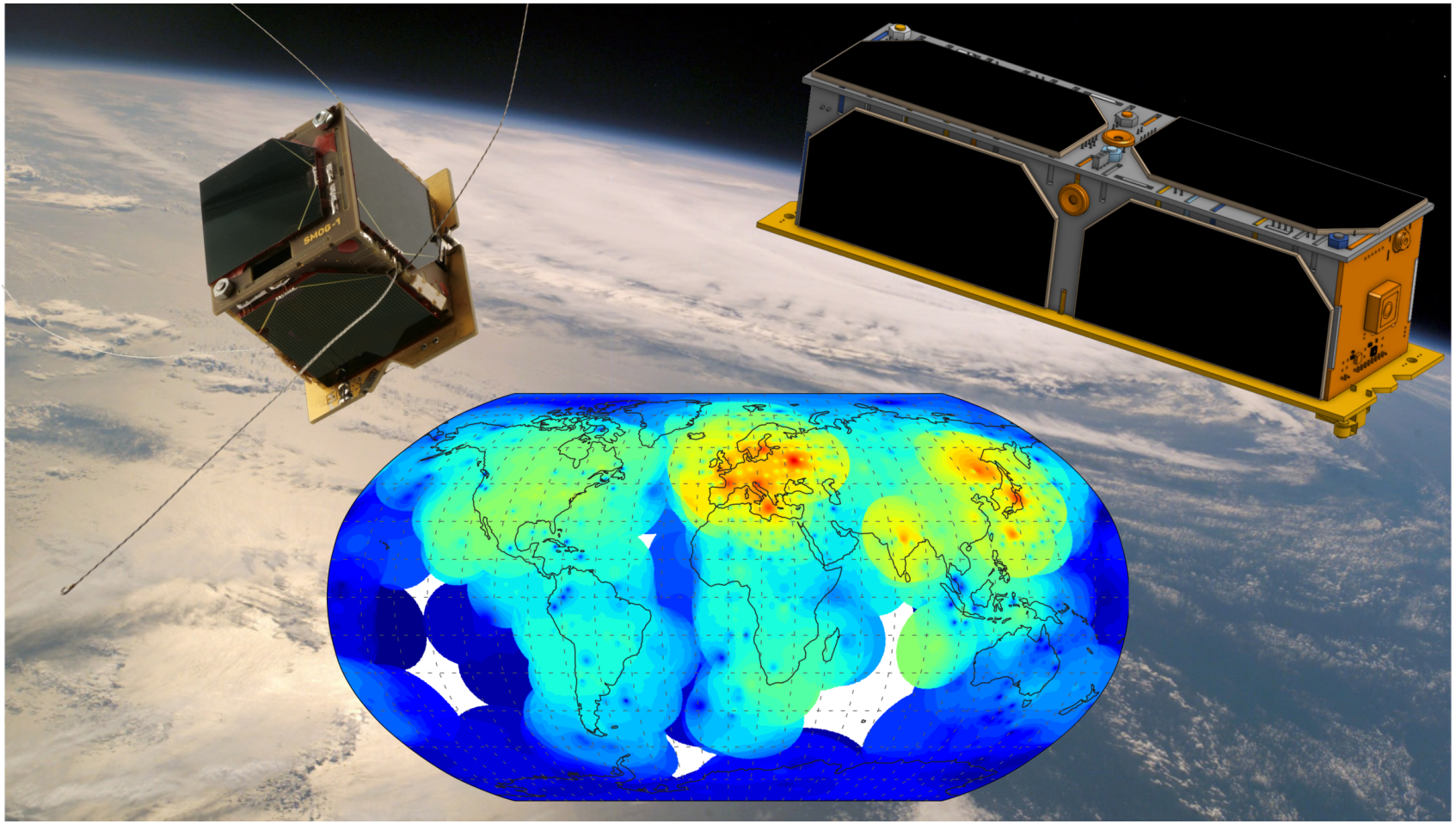




https://gnd.bme.hu/
http://152.66.80.46/mrc100dec



dudas.levente@vik.bme.hu