

KON-TR-01L

IQRF adapter

for TR modules without voltage regulator

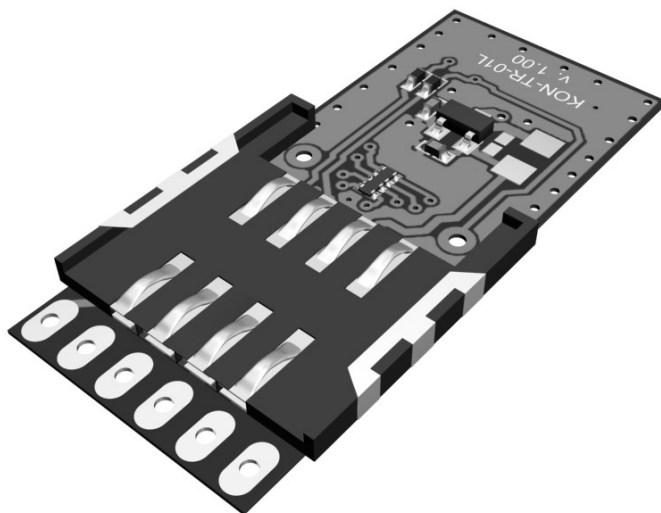
User's Guide



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Description

KON-TR-01L is an adapter for TR modules in SIM card format without built-in voltage regulator (especially TR-55D) enabling to supply them from higher input power voltage and extending RF range when used with the DK-EVAL-04 development kit.



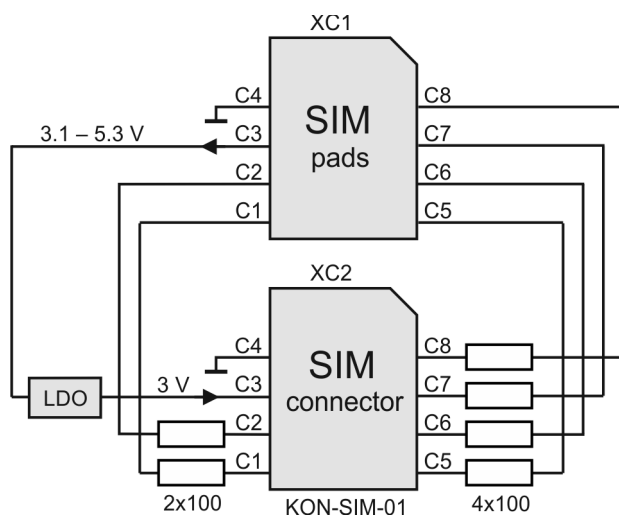
Applications

- For TR modules in SIM card format, without LDO voltage regulator (especially TR-55D)
- For development with standard IQRF development kits, e.g. DK-EVAL-04.
- For range check with IQRF development kit DK-EVAL-04.

Key features

- Input supply voltage 3.1 V – 5.3 V
- Output supply voltage 3.0 V
- Protection series resistors on I/O pins

Simplified schematics



Electrical specifications

Power supply	
Input	3.1 V to 5.3 V
Output	3.0 V
Operating temperature	-40 °C to +85 °C
Size	35.0 mm x 14.9 mm x 3.8 mm
Weight	2 g

Absolute maximum ratings

Stresses above those values may cause permanent damage to the device. Exposure to maximum rating conditions for extended periods may affect device reliability.

Supply voltage	5.5 V
Storage temperature	-50 °C to +90 °C

Hardware

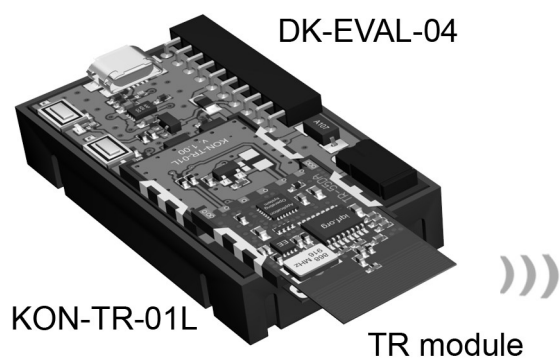
LDO regulator IC

MCP1700-3002E (Microchip).

Connectors

- XC1: PCB edge connector to be plugged in the SIM socket of a development kit
- XC2: SIM connector for TR module

Application

Typical usage example

Product information

Pack list

- KON-TR-01L IQRF power supply adapter

Recommended options

- DK-EVAL-04 IQRF development kit

Ordering code

- KON-TR-01L IQRF power supply adapter

Document history

- 130114 First release

Sales and Service

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Partners and distribution

Please visit www.iqrf.org/partners

Quality management

ISO 9001 : 2009 certified

*Complies with ETSI directives EN 30279 V.1.2.1:99, ETS 30683:97, ETSI EN 301489-1:00,
ETSI EN 300220-1:00, ETSI EN 300390-2V.1.1.1:00*

Complies with FCC directives FCC CFR, Title 47, Part 15, Section 15.209, FCC CFR, Title 47, Part 15, Section 15.249

Complies with Directive 2002/95/EC (RoHS)



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