

SATELLINE-3AS/TC radio data modem moduleModel name: **SATELLINE-3AS/TC**

Versions: **SATELLINE-3AS/TC/125** (for 12.5 kHz channel spacing)
SATELLINE-3AS/TC/250 (for 25 kHz channel spacing)

TECHNICAL DESCRIPTION OF CHANGES

in relation to SATELLINE-3AS(d) radio modem with existing FCC type acceptances

- FCC ID = MRBSATEL-3AS-125 (version SATELLINE-3AS(d)/125)
- FCC ID = MRBSATELLINE-3AS (version SATELLINE-3AS(d)/250)

Radio Modem SATELLINE-3AS/TC is a PCB module, which includes a digital logic and an integrated RF transceiver. Logic and RF circuits are covered by metal shields.

Radio part:

RF transceiver is TC4 which is exactly the same than in the Radio Modem SATELLINE-3AS(d).

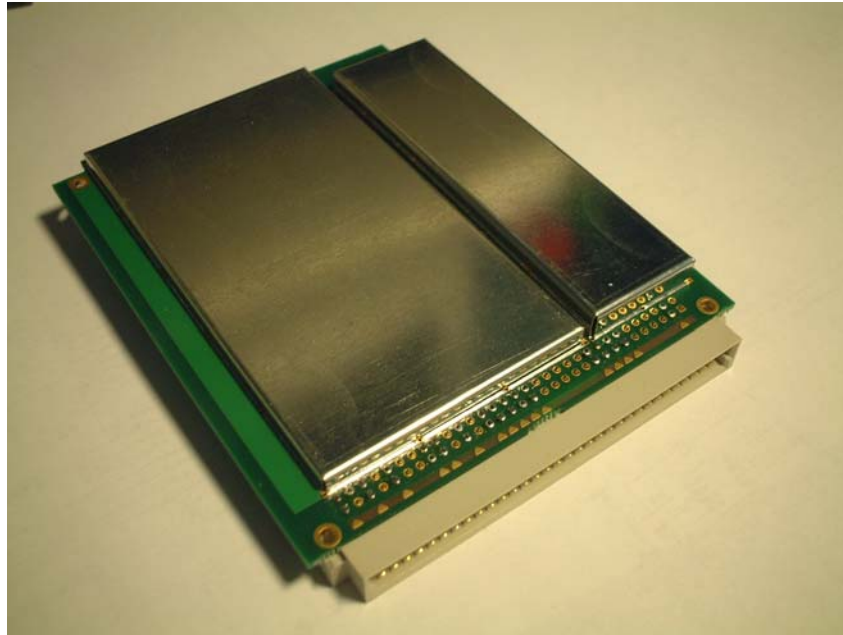
Logic part:

In this part the schematic design and the operation are the same than in Radio Modem SATELLINE-3AS(d) but the layout is different. In addition, the power supply switcher has been removed from this logic part.

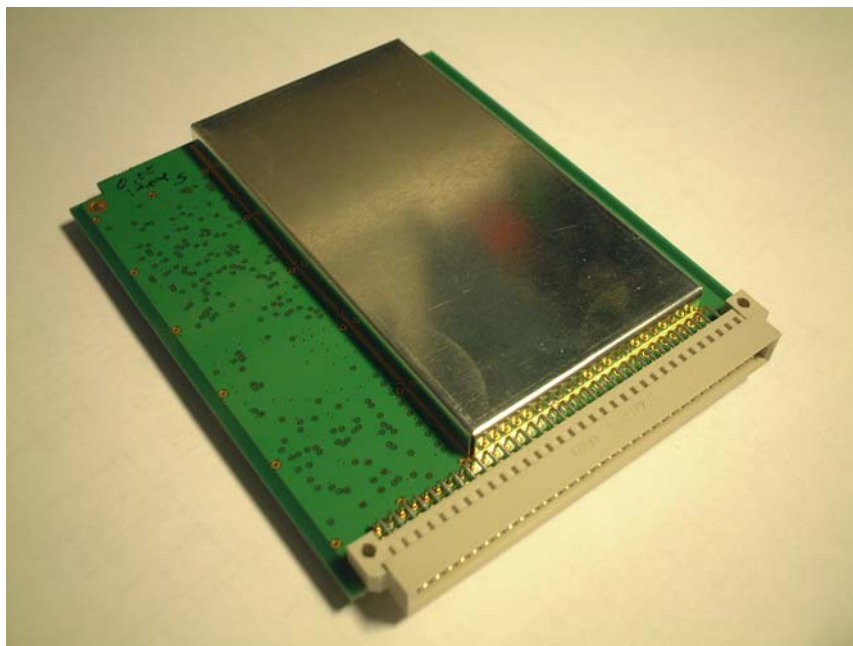
Changes in technical specifications:

	SATELLINE-3AS/TC	SATELLINE-3AS(d)
Operating voltage	6.0 - 14.0 Vdc	9.0 – 30 V dc
Interface connector	32-pin Eurocard connector type B	D15, female
Interface	RS-232	RS-232, RS-485, RS-422
Antenna connector	MMCX, female, 50 ohm	TNC, female, 50 ohm
Housing	SATELLINE-3AS/TC is delivered without the housing. Component blocks on the PCB are covered by metal shields.	Aluminium enclosure
Dimensions (L x W x H)	123 mm x 100 mm x 13 mm	137 mm x 67 mm x 29 mm
Weight	140 g	250 g

Module pictures



pic 1. Top side



pic 2. Bottom side