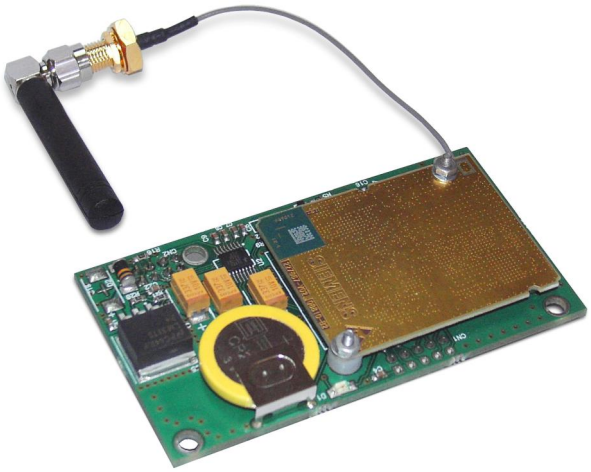


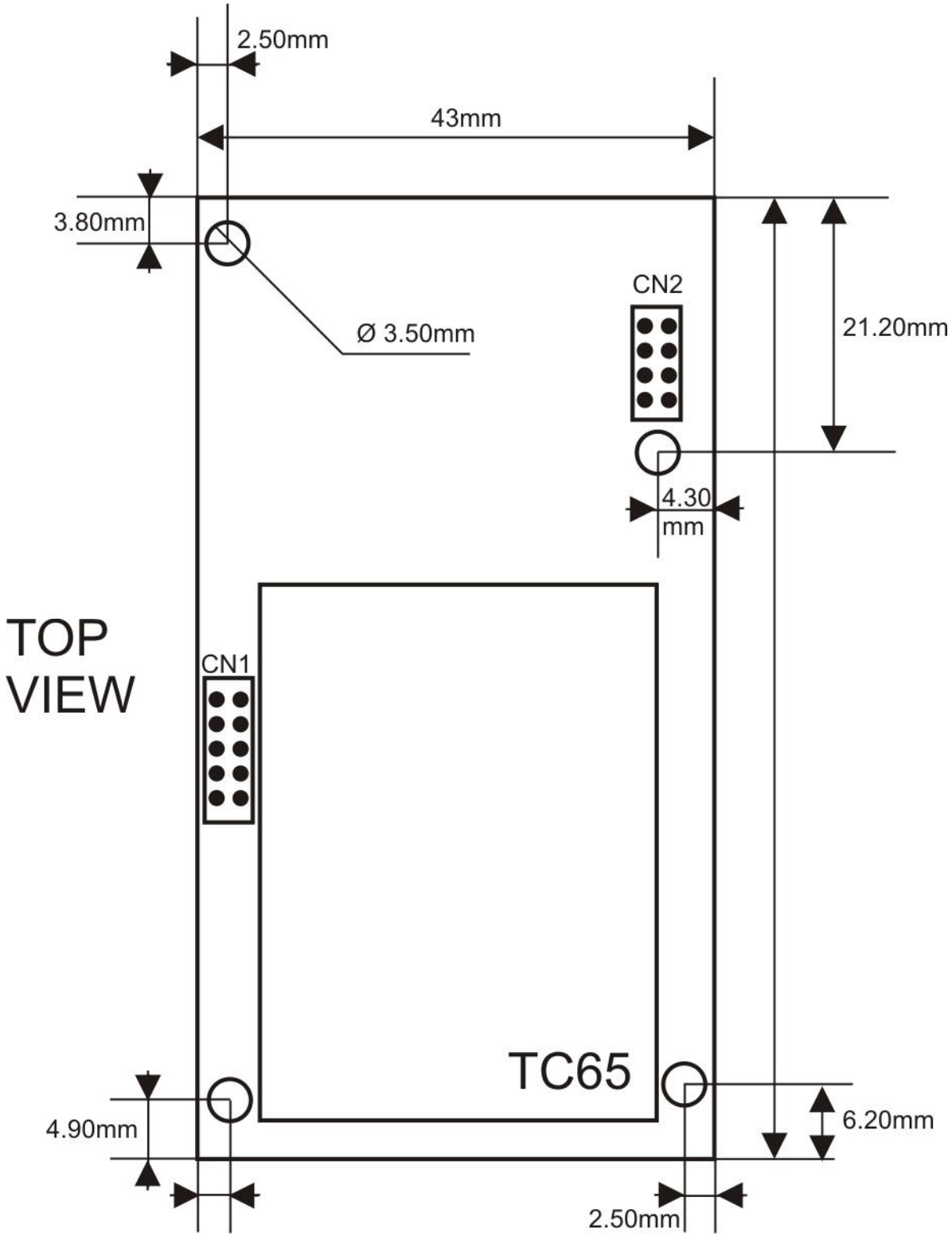
HCP PMM2 GPRS terminal

hardware description

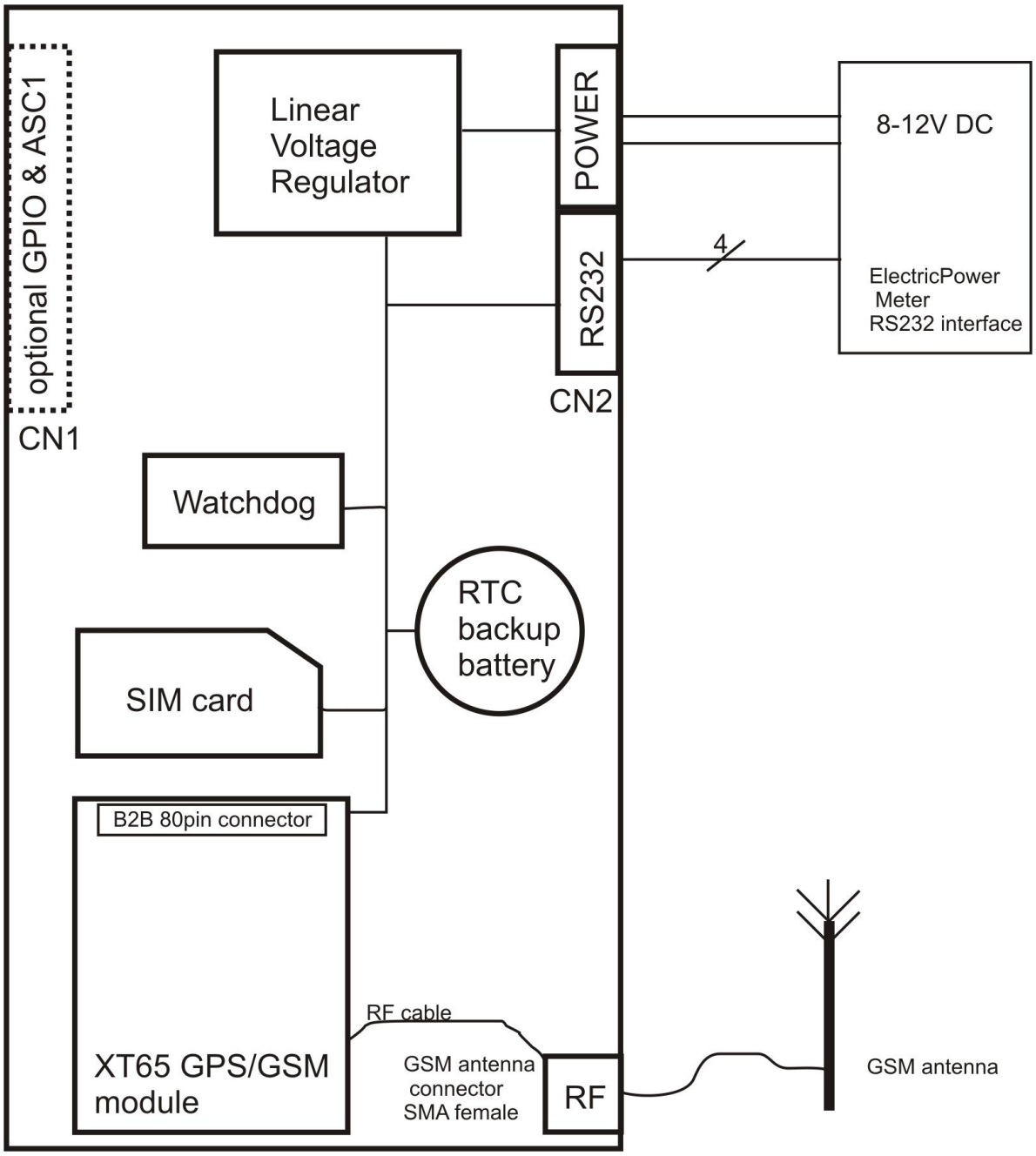
www.hcp.rs

Contents

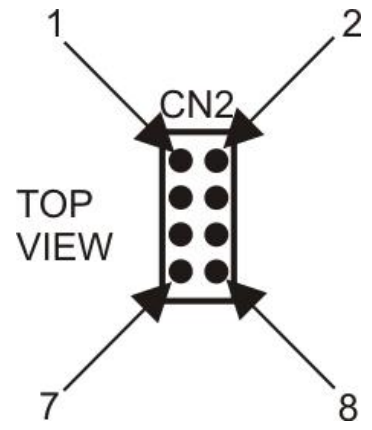
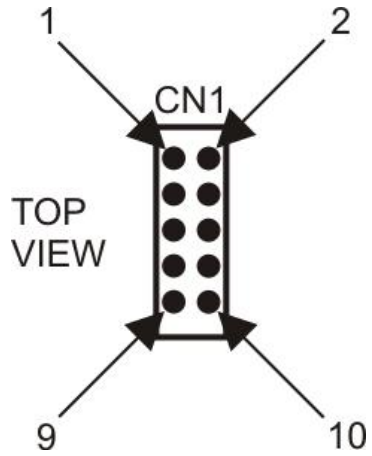
1. Board Dimensions



2. Block diagram



3. Connectors pin-out

	1. VCC 2. VCC 3. TXD (output RS232 interface) 4. GPIO5/DTR (output) 5. RXD (input RS232 interface) 6. GPIO6/RTS (output) 7. GND 8. GND
	1. VCC 2. TXD1 3. RXD1 4. CTS1 5. RTS1 6. IN1 7. OUT2 8. IN2 9. OUT1 10. GND

4. Power supply ratings

Parameter	Description	Min	Typ	Max	Unit
Vpower	Supply voltage	+8	+9	+12	V
Ipower	Supply current			800mA	mA
Pmax	Supply power			6.4	W

5. RS232 interface characteristic

Parameter	Description	Conditions	Min	Typ	Max	Unit
V_{OUT}	Transmitter Output Voltage for /TXD	@ 5kOhm load	±5	±5.4		V
R_{OUT}	Transmitter Output Resistance /TXD		300	50k		Ohm
V_{IN}	Input voltage range /RXD		-25		25	V
R_{IN}	Input resistance of /RXD		3	5	7	kOhm
V_{RIHYS}	Input Hysteresis			0.5		V
V_{ilow}	Input Threshold Low		0.6	1.1		V
V_{Ihigh}	Input Threshold High			1.5	2.4	V
Baudrate		Autobauding	1200		468000	bps
		Fixed bit rate	300		468000	bps

6. Watchdog circuit

Hunter has hardware watchdog circuit on board.
Watchdog circuit is connected to TC65 GPIO8.
Watchdog interval is 120s, that is, application must send positive impulse of 100mS width every 120 seconds. If that not happens the watchdog circuit will restart XT65 module.