VCC - 3.0-3.7V

J1				J2	
10pts Straight				10pts Straight	
1		VCC			20
2			I/O6		19
3		I/O1	I/O5		18
4		I/O2	STD-BY		17
5		I/O7	TXD		16
6		I/O8	RXD		15
7		I/O3	RESET		14
8		I/O4	CTS		13
9			RTS		12
10		VDD	PrgS		11

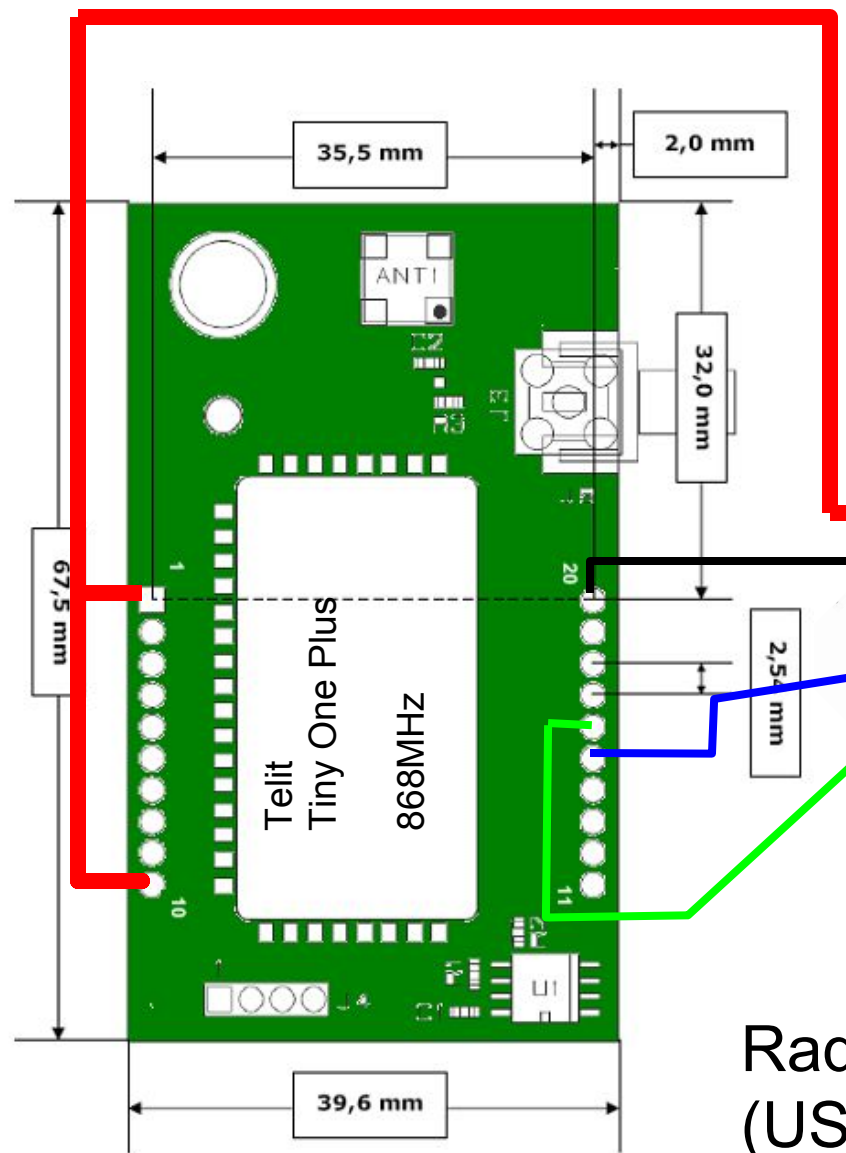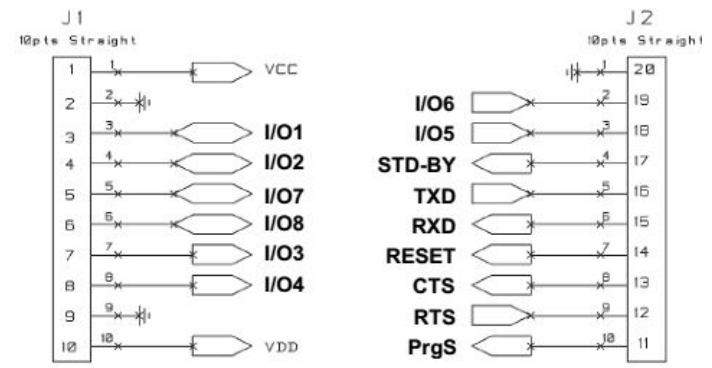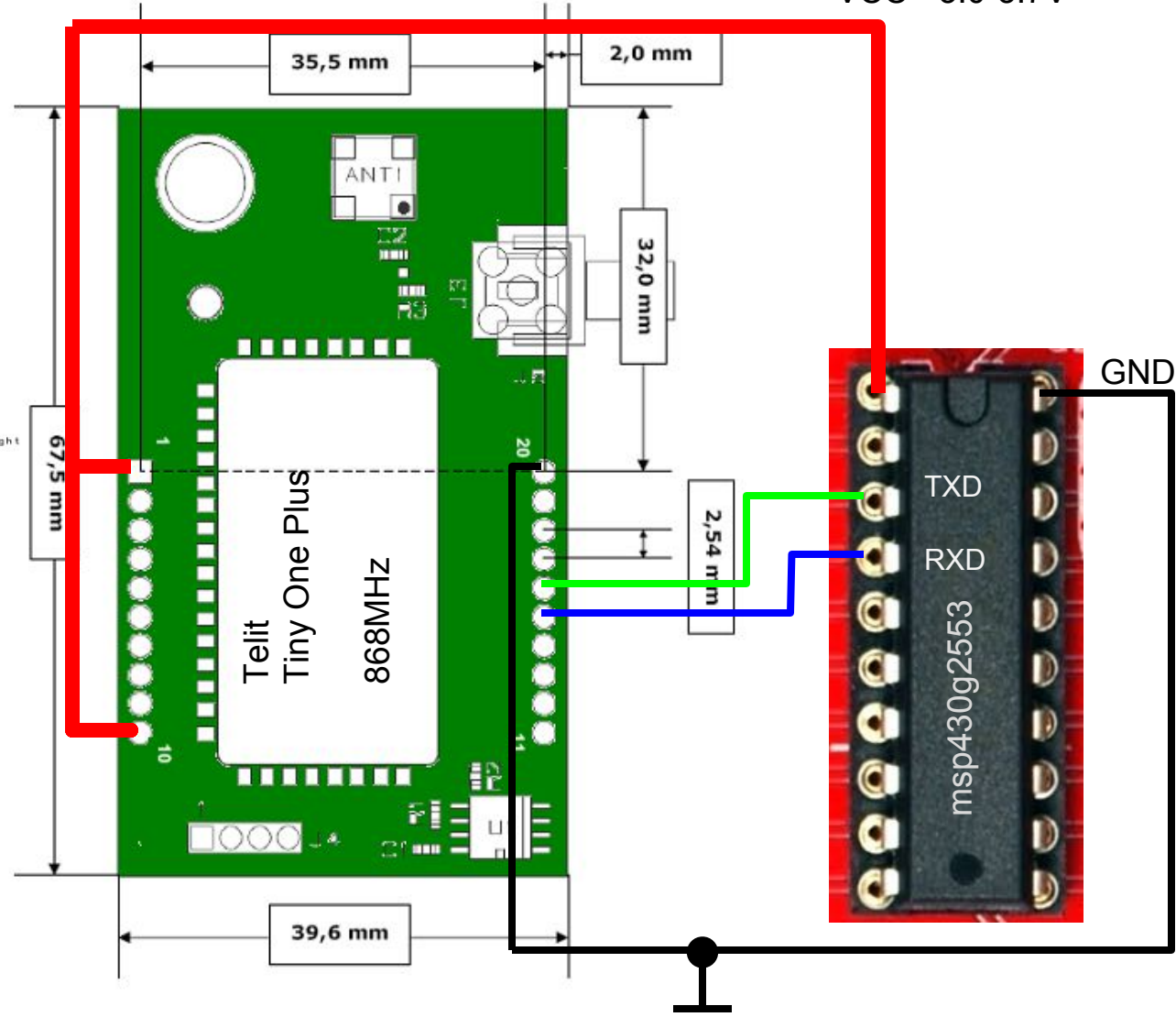35,5 mm   2,0 mm

ANT1

32,0 mm

67,5 mm

Telit
Tiny One Plus

868MHz

2,54 mm

39,6 mm
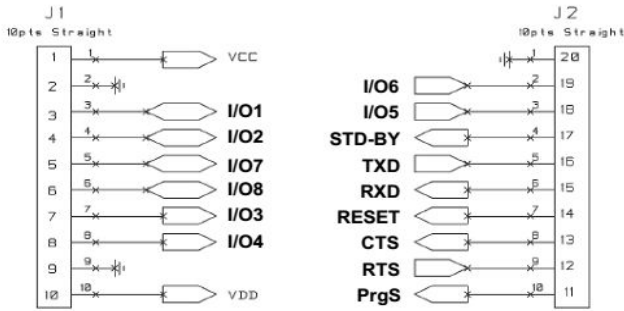
Radio module + PC host
(USB-to-wireless UART, 800 MHz)

Radio module + 4e4th
(Wireless UART 800MHz)

VCC - 3.0-3.7V

GND

35,5 mm
2,0 mm
32,0 mm
67,5 mm
2,54 mm
39,6 mm

ANT1

Telit
Tiny One Plus
868MHz

msp430g2553

TXD

RXD

J1
10pts Straight
1   VCC
2
3   I/O1
4   I/O2
5   I/O7
6   I/O8
7   I/O3
8   I/O4
9
10   VDD

J2
10pts Straight
20
I/O6   19
I/O5   18
STD-BY 17
TXD   16
RXD   15
RESET   14
CTS   13
RTS   12
PrgS   11

Serial Link			
R/W	S210	Serial Speed.	Indicates the speed on the Serial Connection

'1': 1200 bits/s   **'5': 19200 bits/s**
'2': 2400 bits/s   '6' : 38400 bits/s
'3': 4800 bits/s   '7' : 57600 bits/s
'4': 9600 bits/s   '8' : 115200 bits/s

The time out value must be compatible with the serial speed:

Min. time-out (S214)	Serial Speed (S210)
17 ms	1200 bits/s
9 ms	2400 bits/s
5 ms	4800 bits/s
3 ms	9600 bits/s
2 ms	≥19200 bits/s

Screenshots from PC terminal:
- 4e4th launchpad was powered from a battery
- Distance to PC host is about 10-20 meters (indoor)

COM4 - Tera Term VT

Working with 4e4th remotely

```
ok
ok
." Hello word" ok
WORDS S2? S2 GREEN RED P3 P2 P1 UNUSED MEM MEMTOP MEMBOT CGET CTOGGLE CCLR CLR C
SET SET MS 1MS BIN PAGE AT-XY BELL .VER \ 2CONSTANT WIPE FACTORY COLD WARM BOOT
SAVE VALID? APPCRC ITHERE crc (crc ccrc .S DUMP U.R WORDS MARKER FLALIGNED NOOP
ENVIRONMENT? DEPTH MOVE WITHIN LEAVE +LOOP LOOP ENDLOOP DO L> >L REPEAT WHILE AG
AIN UNTIL BEGIN ELSE THEN IF POSTPONE ['] ; : IMMEDIATE REVEAL HIDE ] [ RECURSE
DOES> (DOES>) CREATE <BUILDS HEADER ( [CHAR] CHAR ' ABORT" ?ABORT ABORT QUIT EVA
LUATE INTERPRET ?NUMBER >NUMBER ?SIGN DIGIT? LITERAL FIND IMMED? NFA>CFA NFA>LFA
 WORD >COUNTED /STRING SOURCE IC, I, IALLOT IHERE C, , ALLOT HERE HEX DECIMAL .
U. SIGN #> #S # >DIGIT <# HOLD UD* UD/MOD IWORD ." IS" (S") (IS") TYPE ACCEPT UM
AX UMIN SPACES SPACE CR COUNT 2OVER 2SWAP 2DUP 2DROP 2! 2@ MIN MAX */ */MOD MOD
/ /MOD * FM/MOD SM/REM M* DABS ?DNEGATE DNEGATE ABS ?NEGATE S>D APPU0 INFOB COR
#INIT UINIT BL TIBSIZE TIB S0 R0 L0 PAD CAPS APP NEWEST IDP LP HP LATEST 'SOURCE
 DP STATE BASE >IN U0 ,NONE !DEST ,DEST ,BRANCH ,EXIT !COLON ,JMP ,CALL ,CF !CF
COMPILE, >BODY CHARS CHAR+ CELLS CELL+ CELL ALIGNED ALIGN ZERO KEY? KEY EMIT N=
S= SCAN SKIP I->D CMOVE> CMOVE FILL UM/MOD UM* UNLOOP J I (+loop) (loop) (do) ?b
ranch branch U> U< > < <> = 0< 0= RSHIFT LSHIFT 2/ 2* >< 1- 1+ NEGATE INVERT XOR
 OR AND - M+ +! + D->I IC! I! FLERASE C! C@ ! @ TUCK RP! RP@ SP! SP@ R@ R> >R NI
P ROT OVER SWAP DROP ?DUP DUP USER CONSTANT VARIABLE EXIT lit EXECUTE ok
." hhhhh " ok
." fgfgfgfg" . 1010 ok
```

Pure 4e4th Forth remotely :)

```
ok
ok
ok
10 20 30 + * ▪ ▪?

10 20 30 + * ▪ ▪?

10 20 30 + * - . 17932 ok
```