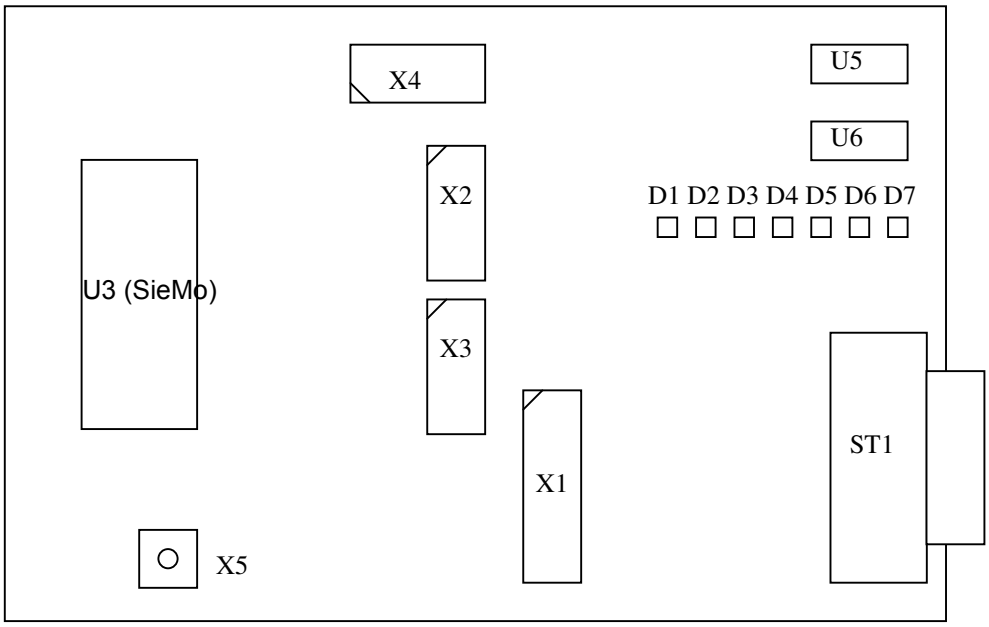
Block Diagram Test Board



Functional Description:

ST1 Connector: Serial Port (RS232) connection for controling the board over PC, Laptop etc..

U5 und U6:

- Connectors for Power Supply
- Voltage Range: +3V bis +4,5VDC

Connector X1 – SPI-Interface:

Pin	Signal	Pin	Signal
2	SPI_MISO	6	SPI_CLK
3	SPI_CSB	7	GND
4	SPI_MOSI	14	RST
5	GND	Rest	N.C.

Connector X2 – PCM- und I2C- Interface:

Pin	Signal	Pin	Signal
1	VCCIO (2,8V)	2	VCCIO (2,8V)
3	I2C_CLK (PIO2)	4	I2C_DAT (PIO3)
5	PCM_OUT	6	PCM_IN
7	PCM_SYNC	8	PCM_CLK
9	GND	10	GND

Connector X3 - Testsignals:

Pin	Signal	Pin	Signal
1	VCCIO (2,8V)	2	VCCIO (2,8V)
3	TEST_A	4	TEST_B
5	SCAN_EN	6	A18 (Flash)
7	TX_PWR	8	TX_EN (PIO1)
9	GND	10	GND

Connector X4 – USB and PIO:

Pin	Signal	Pin	Signal
1	VCCIO (2,8V)	2	VCCIO (2,8V)
3	PIO5	4	PIO7
5	DTACH (PIO4)	6	WKUP (PIO6)
7	USB - D+	8	USB – D-
9	GND	10	GND

Antenna Connector (SMB) X5:

- Nominal value of the impedance: 50 Ohm.
- Connector for 2.4GHz (ISM Band) Antenna

LEDs:

LED	Signal	LED	Signal
1	PIO1 (TX_EN)	2	PIO2 (I2C_CLK)
3	PIO3 (I2C_DAT)	4	PIO4 (DTACH)
5	PIO5	6	PIO6 (WKUP)
7	PIO7		