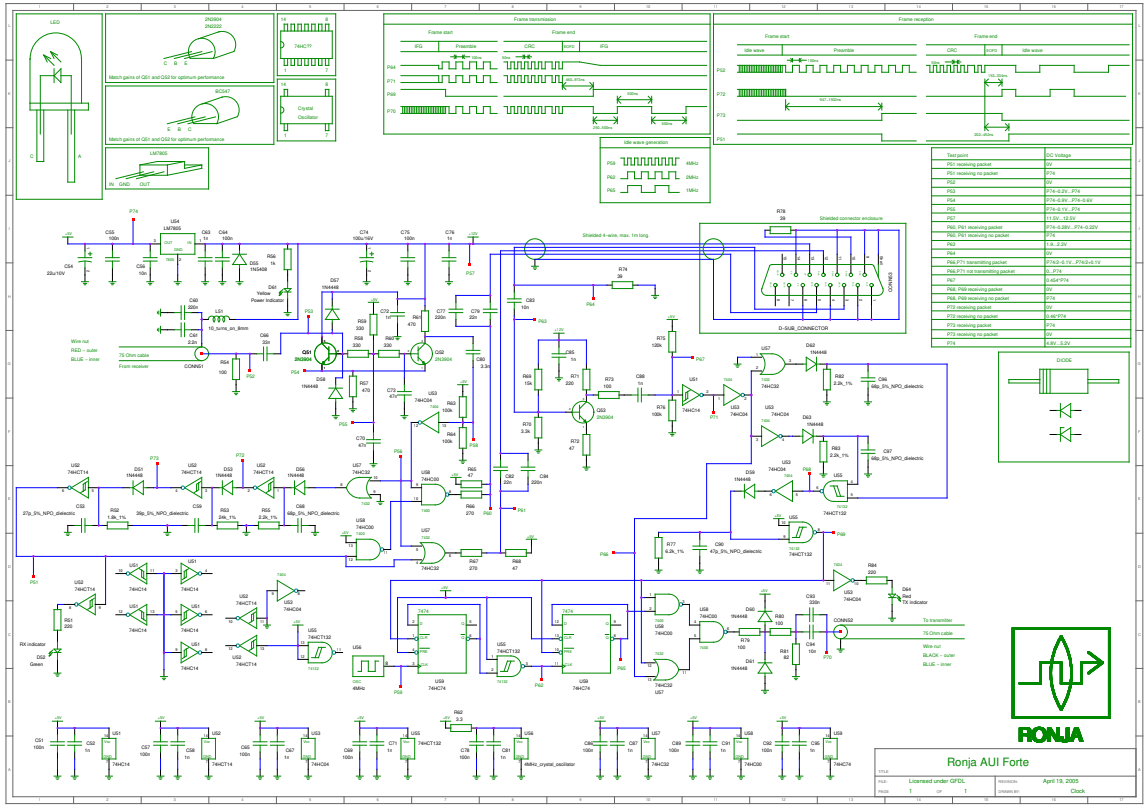
LED
2N3904
2N2222
Match gains of Q51 and Q52 for optimum performance
SC1047
Match gains of Q51 and Q52 for optimum performance
LM7805
IN GND OUT
74HC191
Crystal Oscillator
Frame transmission
Frame start
Preamble
Frame end
IFG
CRC
EOFD
IFG
Idle wave generation
49MHz
2MHz
1MHz
Frame reception
Frame start
Preamble
Frame end
Idle wave
CRC
EOFD
Idle wave
Shielded 4-wire, max. 1m long.
Shielded connector enclosure
D-SUB_CONNECTOR
DIODE
Wire nut
RED – outer
BLUE – inner
75 Ohm cable
From receiver
CONN51
To transmitter
75 Ohm cable
Wire nut
BLACK – outer
BLUE – inner
CONN52
RX indicator
Green
TX indicator
Red
10_turns_on_8mm
74HC14
74HC74
74HC132
74HC00
74HC04
74HC30
74HC08
74HC32
74HC86
74HC4066
74HC4020
74HC4040
74HC4538
74HC4538
74HC4538