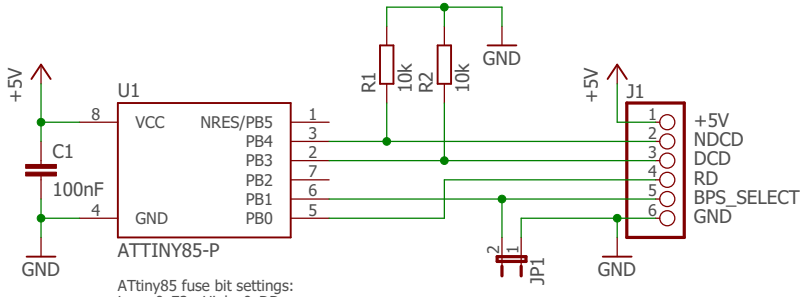

ATtiny85 fuse bit settings:
Low: 0xE2 High: 0xDD

Clock source = Internal 8 MHz (default)
Clock/8 divider = Off
Brown-out detection = Enabled @ 2.7V

JP1 BITRATE SELECT
OPEN = 1200 BAUD
CLOSE = 300 BAUD

RD = Receive Data signal line tap
DCD = Data Carrier Detect signal (active high)
NDCD = Data Carrier Detect signal (active low)
BPS_SELECT = Bitrate selection

Use either NDCD or DCD for carrier detection (CD) signalling.
Most (if not all?) TNCs use an active low DCD signal level.

PB1 is internally pulled up for 1200bps operation by default.
If PB1 is pulled down externally or by placing JP1 300bps is selected.

R1 and R2 are optional and can be neccesary in some cases to
pull down the low level of NDCD or DCD to appropriate level.

TrueDCD is a digital PLL based open squelch DCD
for TCM3105/AM7910 type packetradio TNCs.
With fast attack time and a true detection of valid
digital data.

Dave van der Locht <dave.is@home.nl>

TrueDCD

14-08-2020 19:09

Sheet: 1/1

rev. 1.0