

NAME

lpbb - parallel port I2C bit-banging interface

SYNOPSIS

device iicbus

device iicbb

device lpbb

device iic

DESCRIPTION

The *lpbb* driver supports the Philips official I2C parallel bit-banging interface.

```

                                LS05 pin 14 (Vcc) o  -----
                                | | |
                                +--+--+-----+--+--+-----+-----+o 1 |
                                | | |          | | |          ===.1uF | +5V |
                                ----- [R][R][R] 3x10K    3x10K [R][R][R] LS05 | | | |
                                | | | | |          | | |   pin 7 o+-----+o 2 | | |
                                | 12 o-+++ + | | 3\4          | | | (Gnd)    | GND |
                                | 17 o+----|-|-|-|>o-----+--|-|-|-----+ | |
                                | | | | | /      8 /9 | | 10 /11 +-----+o 3 |
                                | 15 o+-----+--|-|-----o<|-|-----+--|-|o<|-|---+ | SCL |
                                | | | | 1\2    \|    |    \|    | |
                                | 9 o+-----|-|-|-|>o-----+-----+-----+o 4 |
                                | | | | /          6 /5 | | SDA |
                                | 11 o+-----+-----o<|-|---+ -----
                                | 10 o-++          \|    4-pin
                                | 13 o-+++oGND          Connector
                                | 25 o-++ ----- Part List -----
                                ----- | 1 - .1 uF capacitor | 6 - 10K 5% resistors |
                                25-pin male D | 1 - 4-pin connector | 1 - 25-pin male D connector |
                                connector to PC | 1 - 74LS05 open collector hex inverter |
                                printer port -----

```

SEE ALSO

iicbb(4), iicbus(4), ppbus(4)

HISTORY

The **lpbb** manual page first appeared in FreeBSD 3.0.

AUTHORS

This manual page was written by Nicolas Souchu.