

Line Transmit

A slightly more compact version of the MBHP Line Driver Transmitter.

Schematic

[MBHP Transmitter](#).

The two obvious differences are the J3 jumper (disconnects +5V from being sent) and the addition of a 100mil header. This way a DB-25 (or something else?) with ribbon cable mounting could be positioned off-board and wired to the line driver with an IDC.

BOM v1.0

| Type | Qty | Value | Package | Parts | Mouser | Reichelt | Conrad | Other | Notes |
|-------------------|-------|-----------|-----------|----------|--------|----------|--------|-------|----------------------------------|
| Resistors | | | | | | | | | |
| | 0 (2) | 100R 5% | THT | | | | | | not really needed |
| Capacitors | | | | | | | | | |
| | 2 | 100nF | THT 2.5mm | C1, C2 | | | | | |
| ICs | | | | | | | | | |
| | 2 | MC3487 | DIP16 | IC1, IC2 | | | | | |
| IC sockets | | | | | | | | | |
| | 2 | | DIP16 | | | | | | |
| Headers | | | | | | | | | |
| | 2 | 1*2 | male | | | | | | |
| | 1 (0) | 1*3 | male | | | | | | |
| | 2 | 2*5 | male | | | | | | |
| | 0 (1) | 2*13 | male | | | | | | |
| Sockets | | | | | | | | | |
| | 1 (0) | DB-25 | female | | | | | | |
| Hardware | | | | | | | | | |
| | 0 (3) | M3 spacer | | | | | | | optional, suggest to panel mount |

Versions

v1.0: first release.

Assembly

Building is straightforward, just decide on whether CONN1 is the typical DB-25 or a pin header.

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