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 connector (or something else?) with ribbon cable mounting could be mounted off-board and connected 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		806-KCDX-5S-S2				
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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