Portsdown Project 4 band Decoder

This project can be built on a home-made single-sided PCB or on 0.1 grid perforated board with pads.
The LEDs and R03 and R04 are optional. Unused opto-couplers may be omitted also.
Since the terminals are snapped together before soldering it would be difficult to add more terminals if unused ones are not installed but required later.

Perforated board method.
Sheet 1 of **DECODE 4 Band PCB Layout w SS.pdf** can be printed at 'Actual size', a choice in the Adobe print menu, and attached to the perf board. This will show you where to place the components and label them. The holes for the terminals can drilled to the required size along with the mounting holes.
Decode 4 Band Perf Bd wiring.pdf shows a bottom view of the wiring to be added. The light gray trace, which would have been on the top side of a double-sided PCB, can be added on either side.

Homemade PCB method.
Sheet2 of either **DECODE 4 Band Mirrored.pdf** or **DECODE 4 Band PCB Layout w SS.pdf** is the image of the bottom side of the board.
More ambitious builders can make a double-sided board and etch either just the pads or the pads and the silkscreen information on the top side.

Files:
DECODE 4 Band Mirrored w SS.pdf
DECODE 4 Band Mirrored.pdf
DECODE 4 Band PCB Layout w SS.pdf
Decode 4 Band Perf Bd wiring.pdf
Decode 4 Band Schematic.pdf