

C10607 Five Digit LED Display with Serial Input

1. General.

C10607 is designed to provide a five digit 7 segment LED display. The board has an RS232 compatible input. In addition the board requires a regulated +5Vdc power supply. An optional plastic panel mounting display bezel is available (cigol part number 518107).

2. Port Assignments.

Connections are made to the C10607 are as follows:

K1 pin 1	Not used
K1 pin 2	RS 232 Compatible data input to C10607 (will also work with TTL level)
K1 pin 3	+5Vdc regulated power supply
K1 pin 4	Signal and power ground return

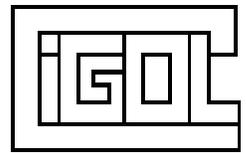
Any hardware handshake lines required by the connecting computer or VDU must be linked out as required.

3. PCB Size and Mounting Requirements.

C10607 consists of a double sided PTH PCB of dimensions 120.6×50.8 mm. Two mounting holes (diameter 3.2 mm) are provided on the horizontal centre line at a pitch of 86.4 mm - symmetrical about the vertical centre line.

In the standard assembly K1 is a screw terminal pluggable connector mounted vertically on the PCB. This means that the C10607 requires a distance of approximately 50mm behind the mounting panel.

If used with the optional display bezel (Cigol part number 518107- available separately) a panel cut out of 91.4×25.4 mm is required (without any additional mounting holes).



4 Display Information.

C10607 uses 14mm high intensity seven segment red LEDs (type HDSP-H101). It consists of five digits and also allows the illumination of the four decimal points between the digits. This allows the following range of numeric values to be displayed.

-9999 to 99999	no decimal point illuminated
-999.9 to 9999.9	right hand decimal point illuminated
-99.99 to 999.99	
-9.999 to 99.999	
-.9999 to 9.9999	left hand decimal point illuminated

In addition a limited range of alphabetical characters can be displayed - for further information refer to serial input document reference 10692.

5 Serial Connection.

C10607 uses an RS232 compatible input which is also designed to operate correctly when standard TTL voltage levels are applied.

Full details of the serial input format are given in reference 10692.