

Upper Box

Inserted Text PAL (7 Characters max.)

[illegible]

Lower Box

Inserted Text **PM 5544** **(11 Characters max.)**

[illegible]

How to use table.

Insert required text in the title at the top of the upper and lower box tables.

Insert the characters in the boxes in the right hand column (Inserted Character) and try to enter characters around the centre of the table allowing equal spaces above and below the text. Using the table in FigXXVIII-1, Survey of the different characters from the PM5544 manual look up the character in the table and copy the binary code for each character into the upper and lower box tables adjacent to the characters you have inserted into the right hand side column of the table.

When you have finished compiling the data double check for any errors. If all is correct insert the "No Character" binary code into all the unused table rows. Note the row E0 is usually left as all zeros and is decoded as a space. Looking at the upper and lower box tables where there is a '1' in the table, this means that a link is required connected between the appropriate IC pin and the selected upper or lower data select line. In the case of the upper box displaying PAL, E1,E2,E3,E4,E5 will require a link from pins 7,6,5,4,3 on IC21 to the upper box select line as indicated on the drawing of the IC's 16 to 21. In practice it is easier to link all pins 3 to 7 together and connect one link to the upper data select line. The 'P' will only require one link from E6 pin 2 of IC20 to the upper data select line. The 'A' will also only require one link from E7 pin 1 on IC16 to the upper data select line. The 'L' will require two links on E8 pin 23 on IC's 19 and 18 to the upper data select line. As there are only three characters used all the lines from E9 to E15 pins 16 to 22 on IC21 are connected to the upper data select line.

Please note when installing the links the IC's on the PCB are from IC16 to IC21 left to right and this can be confusing as the MSB in the table is on the right side looking at the print side of the board. Before installing any links it may be helpful to mark the position of the IC's on the board and the position of pin 1 on each IC before starting.