

Dear Paul,

Further to my recent e-mail. As I said I am now up and running using the original design with the SAA 1043 IC. However, before getting hold of this IC I had purchased an SAA 1101, being the modern version. I decided yesterday to set about sorting out how to use it instead of the 1043. The arrangement that I decided upon gives identical performance to the original and the necessary change is easy to achieve. I enclose a rough sketch of the connections used and the wiring to the PCB. I used a DIL 28pin skt and IDC Header for ease of use and to allow for experimental changes as may prove necessary; but all the wiring can be done direct to the SAA 1043 pin holes if preferred.

- (a) drill appropriate holes for access to the +5v and 0v rails
- (b) remove R18 and use RH pad to connect lead from SAA1101 pin 24 to IC7b pins 4&5 (removal of R18 is the only action necessary to secure appropriate isolation in this particular modification)
- (c) make other connections as shown.

I hope this will be of interest to you and enable you to advise others accordingly.

A piece of positive feedback, as it were! The 'poor' joints I remarked upon in my e-mail resulted from having to drill out some of the PCB holes to accept the components specified. In two instances the track was just severed because the solder pads were not of sufficient diameter – not noticing the cut tracks I did not ensure my soldering bridged them.

I have now restored my Pattern Generator to the original to save me the effort of mounting the piece of vero-board.

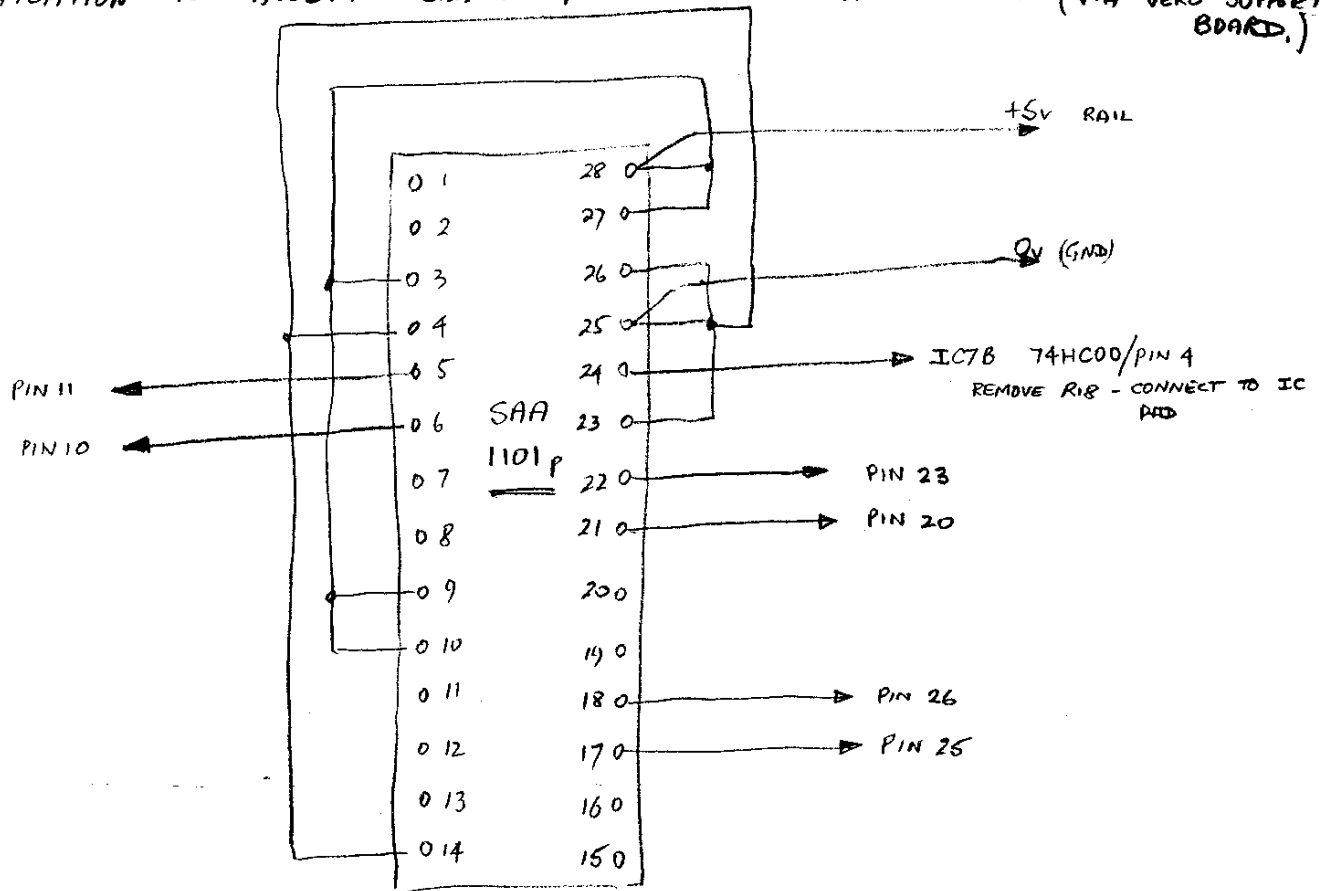
With regards.

Yours sincerely,

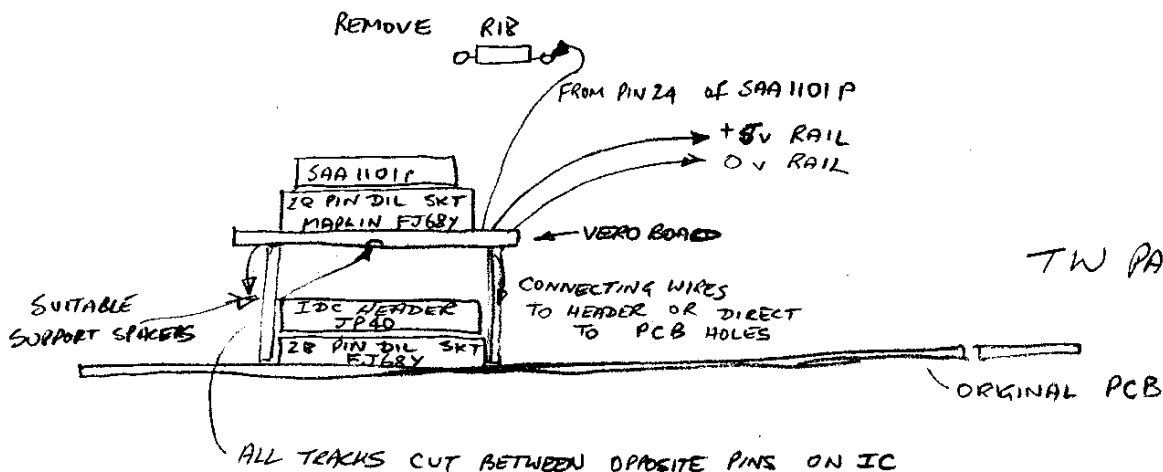
*Tom*  
(T W PAYNE)

# PATTERN GENERATOR (PAUL STENNING - ELECTRONICS 4 BEYOND ISSUE 109 JANUARY 1991)

MODIFICATION TO ACCEPT SAA1101P IC INSTEAD OF SAA1043 (VIA VERO SUPPORT BOARD.)



→ ARE TO PIN NOS ON 28PIN DIL IC HEADER (MAPLIN JP40)  
OR DIRECT TO PCB TRAILINGS FOR SAA1043 IC



TW PAYNE  
AUGUST, 1999