

Notes for guidance when using the Roadrunner System

General Wire Schedule.

To obtain full benefit from the Roadrunner System it is essential to generate a wiring schedule, giving consideration to component placement.

Sig.No.	1stConn(a/p)	2nd Conn.	3rd Conn.
0	A4-6	B4-3	C4-2
1			

A4-6 ≡ 1C A4 pin 6

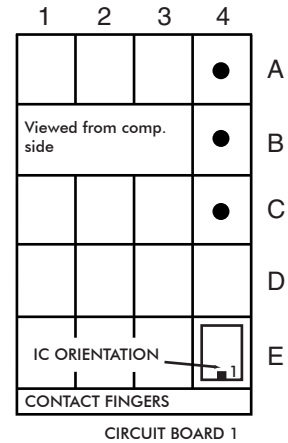
The 2nd column is an 'output' ie. an Ic output or an input signal to contact fingers from an external source.

Decide on Ic/Holder Layout

With strip positioned (a) - high packing density
 (b) - low packing density

Glue fix strips - coat the base of the strip with a quickset adhesive then place in position.

Press Fix strips - press fit into Roadrunner® boards.



Proceed with Wiring

After loading, the Ic's/holder bend the relevant +v and Gnd pins to retain the components in the board. Turn the board over and wire +v and Gnd pins first.

Refer to wiring schedule: If wiring run includes connections to contact fingers wire contact fingers first. With double sided contact finger connections to component side of the board refer c). Don't turn the board over yet - this wastes time - wait until all 'wiring side' connections have been made.

When beginning the 'run' from an Ic/holder pin d) extend - say, 4mm of wire from the pencil tip and bend to a suitable angle for insertion, into the hold containing the Ic leg. Wrap 2-3 times around the pin and lead off into the WD strip to the next pin and again wrap 2-3 times - and so on: e). At the end of the 'run', extend the wire, say 4mm and cut the wire close to the Ic leg. This leaves the correct wire length for the next new 'run'.

On completion of wiring, solder all joints. This is effected with the use of a very hot iron, approximately 420°C with resin cored solder. The application of the iron and solder removes the protective lacquer on the wire and makes good the joint.

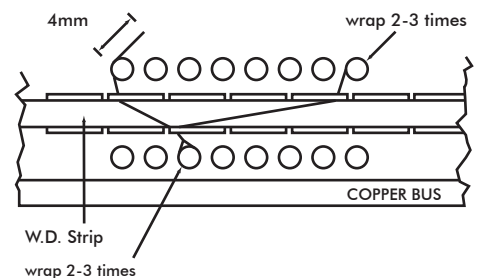
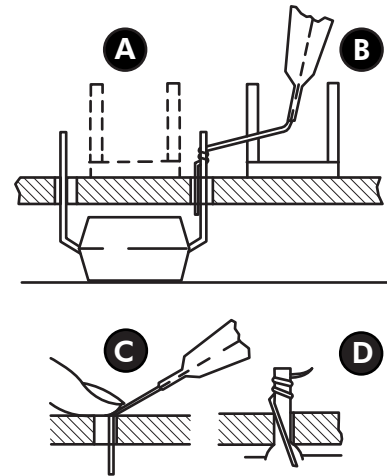
- See warning notice.

Replacement of Ic's

Ideally holders should be used. However, when wiring direct to Ic legs, replacement is straight forward. In order not to upset the wiring to the Ic, check that all leads are connected to the solder pads on the wiring side of the board. Remove Ic by cutting the pins at the shoulder (comp. side). Place a new component over the leads of the previous device and solder to the original leads.

Wire Modifications

Cut the wire close to the Ic pin. Push this 'clean' end into the 'strip' forming an easily detectable loop that can be followed along the channels, thus making the tracing of wires a simple operation.



CAUTION
 EMITS TOXIC VAPOUR
 WHEN SOLDERED
 VENTILATE AREA WELL