Apgar Timer Production Procedure

VM3COP47.03

VIAMED

Tool list:
Soldering iron
Side cutters
Long nose pliers
Torx T-10 driver
Spanner 5.5mm

| Parts list:	Quantity:	Part number:
Label top panel	1	0330505
Label bottom panel	1	0330506
Apgar case	1	0330548
Apgar case end	2	0330549
Apgar timer PCB v1.0	1	0330555
Apgar battery holder	1	0330558
PCB spacer – single unit	2	0330566
Apgar keypad membrane	1	0330570
Apgar timer LCD	1	0330575

Production method:

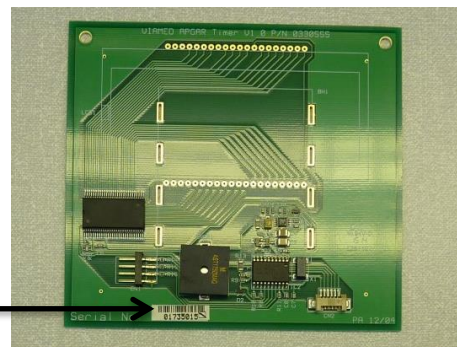1) Apply the, 1.5V AA, battery orientation labels to the battery box and insert the battery contacts.
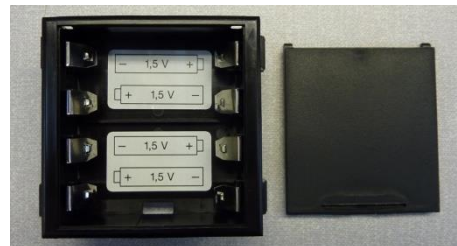
2) Insert the battery box into the rear case panel.
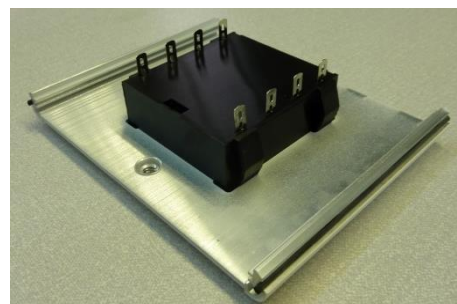
3) Peel away the adhesive backing from the keypad. Route the keypad connector through the small hole and stick the keypad down.
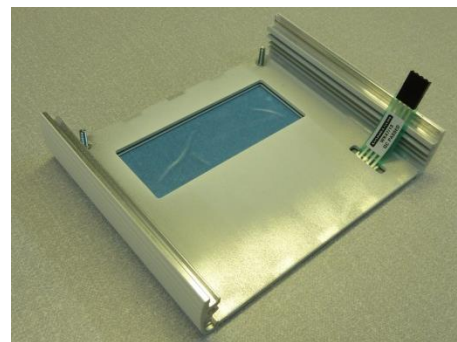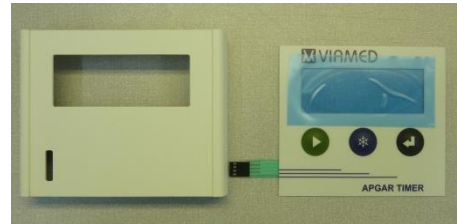
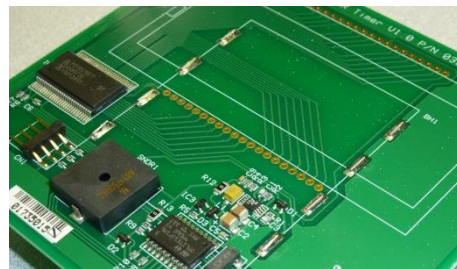4) Note the serial number of the PCB, which can be found on the lower left front side of the PCB.

5) Place the PCB over the battery contacts.
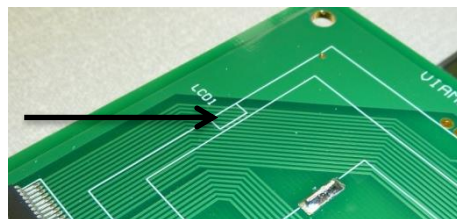
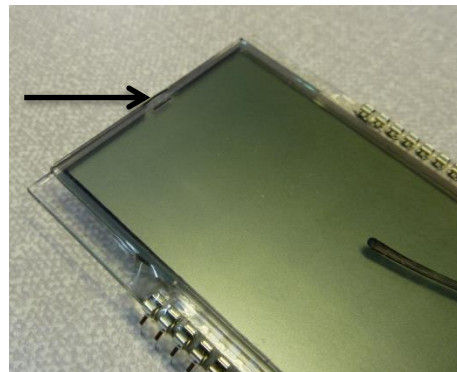6) Ensure that the PCB is flush to the battery box then solder the contacts to the PCB.

7) Trim away the excess battery contact tab.

8) Locate the display orientation markers on the PCB and LCD.

9) With the orientation markers aligned, insert the LCD contacts into the PCB.
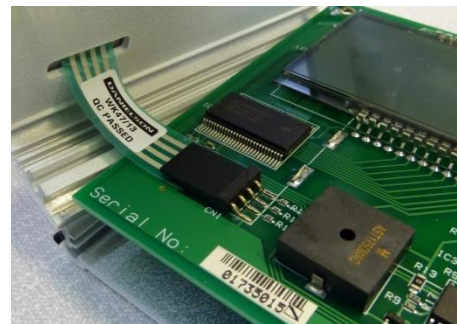
10) Support the display at each end.

11) Solder the LCD to the PCB then remove the supports.

12) Connect the keypad connector to the PCB.

At this point, the unit can be tested. Refer to the testing section, on page 6, in this manual.

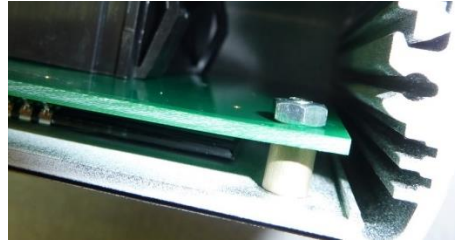13) Place the spacers over the retaining screws on the front case.

14) Remove the protective film from the LCD.

15) Guide the screws through the holes in the PCB then snap the two case halves together.

16) Using a 5.5mm spanner, affix the retaining nuts to each screw thread.

17) Position the top cap on the case, ensure that the seal is correctly located. Using a torx T-10 driver, screw the cap down. Repeat the process for the bottom cap.

18) Insert the screw covers to all four screw holes.

19) Affix the top label.

20) Affix the bottom label.