

Subject : RE: Viamed
Date : Tue, 30 Nov 2004 10:11:00 +0000
Linked to: At Rens
From : "Rens, At" <arens@naamplaat.nl> (By way of helen.lamb@viamed.co.uk)
To : PETER (Peter Anderson) <GoldMine User>

Good morning Peter,

Just a few remarks concerning your membrane keyboards:

1. Copy proof will be in PDF format. (latest version software downloadable from our web site)
2. Display window area will be according to your drawing: 87,5 x 31,75 mm.
 As far as the hole for display in your housing is concerned: we advise to make sure that this hole is at least 89,5 x 33,75 mm; just to make sure that the aluminium cannot be seen from the outside.
3. We will provide a DUFLEX female connector. Price: ^ 0,62 a piece.

Because of a very strict schedule we have to deal with (due to the fact that we want to ship your keyboards on December 2nd) we regret that it is not possible to make any changes in your design unless you inform me before noon today. (11am UK-time) Very sorry for that, but we don't want to disturb our manufacturing schedule.

Please allow me to introduce the Naamplaat colleagues who join me in the "Viamed team":
 Mr. Wim ten Brinke deals with all the commercial aspects (direct phone: +31 523 281213).
 For all the technical expertise: Mr. Hans Beenen (+31 523 281230).

Kind regards,
 At Rens
salesuk@naamplaat.nl

-----Oorspronkelijk bericht-----

Van: vic [<mailto:vic@cropton.net>]
Verzonden: maandag 29 november 2004 16:20
Aan: Rens, At
Onderwerp: Viamed

At,

Peter has asked what format will you submit the samples in? So he can make sure he has the correct software please let him know.

Many Thanks

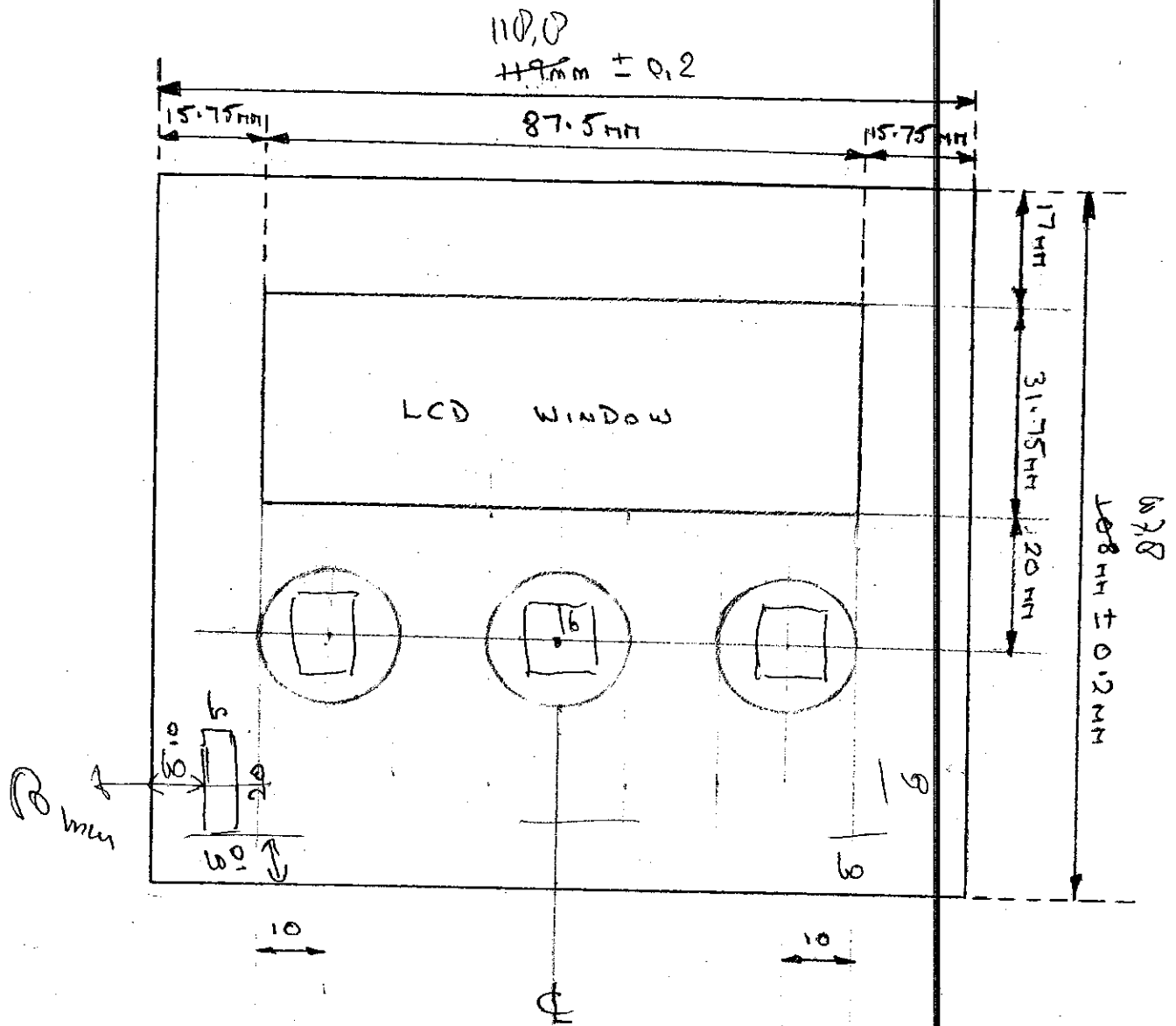
Vic

PS He is pleased about the proposed delivery date, he has 2 modifications 1. Length of Tail will be shorter and 2 change of colour to middle button, he will advise by 30th

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NOTES

1. LCD HAS A MINIMUM VIEWING AREA OF $87.50 \text{ mm} \times 31.75 \text{ mm}$.



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DE NAAMPLAAT B.V. ®

Membrane-switches, touchscreens, electro luminescence foils and road signs

Technical specifications Membrane-switches

In accordance with DIN 42115

Materials

Front: polyester foil
(back side in colour print).
Circuit: Polyester foil, printed with
silver, graphite and insulation paste.
Adhesive layers: 3M-467 and others, depending on the substrate.
Clickers: Spring steel, bold-plated.
Connectors: Berg Clincher type (65801/66226 – male/female)
Berg Duflex type (67013 –female version only).
Contact material: Silver – silver
Graphite – silver
Graphite – gold.

Electrical properties

Switching power: 100 mV AC/DC, at minimum.
25 V AC, at maximum.
42 V DC, at maximum.
Switching amperage: 500 μ A, at minimum (for less amperage a different
construction can be supplied following consultation).
100 mA, at maximum.
Switching capacity: 0.6 W, at maximum.
Insulation resistance: 100 MOhm, at minimum (tested at 100 V).
Transfer resistance: 100 MOhm, at maximum (Depending on the track length).
SMD LEDs: Colours red, yellow, green and duo-led red/green
2 V / 10 mA.

Mechanical properties

Number of switches (life span): 3 million

Contact judder: <3 ms without tactile feedback
< 20 ms with tactile feedback by means of dome embossing.
< 10 ms with tactile feedback by means of clickers.

