

How do I establish the correct values for R22/23 and R24/25 if using the Innolux touch screen display?

Pete GOTLE

----- Original Message -----

From: [Gerard Sexton \(vk3cg\)](#)

To: TftA_Central@yahoogroups.com

Sent: Saturday, June 12, 2010 8:36 AM

Subject: [personal] RE: [TftA_Central] Touch screen resistors **Msg #402**

Hi Pete.

The resistors in conjunction with the touch screen resistance form a series of 3 resistors where R22/R23 (and R24/R25) each have a value of approximately $1/10^{\text{th}}$ of the total resistance.

In other words, measure the resistance between the XR and XL pins of the touch screen and divide by 8. Then take the nearest standard resistor value and use that for R22 and R23. Repeat for YD/YU and use that value for R24 and R25.

An example:

If the resistance between the XR and XL pins (pins 37 and 39 on the FPC cable) is 780 ohms, then $780/8 = 97.5$ -> therefore use 100 ohms as the value for R22 and R23.

If the resistance between YD and YU pins (pins 38 and 40 on the FPC cable) is 270 ohms, then $270/8 = 33.75$ -> therefore use 33 ohms for R24 and R25.

The above example will be pretty close for the Innolux display, but always best to check your own first.

Kind regards

Gerard (vk3cg/vk3grs)