

TOUCH SCREEN DESIGN WORKSHEET

This page will walk you through the necessary steps to determine the best touch screen design for your needs. See below reference letters relating to Touch Screen Worksheet.

1. Matrix or Analog: Matrix touch screens use blocked cells for on/off purposes. The number of blocked cells is determined by the grid layout. For example, 3 rows and 4 columns will comprise a blocked cell count of 12. All matrix components are manufactured to order. Analog touch screens require the presence of an A/D converter. The bit size of the converter is related to the resolution of the screen.

2. Active Area, Ref.: The active area of the screen and the outside dimensions are determined by the needs of the application. The LCD display area will be about the same size as the touch screen's active area, or slightly smaller. Outside dimensions will be determined by any existing measurements for the application.

3. Viewing Area, Ref.: The viewing area should be the same or slightly larger than the LCD frame opening. We recommend a minimum 1.5 mm border between the viewing area and the active area

4. Circuit Area: This refers to the silver bus border on each side of the touch screen. The standard minimum for the circuit area is ~4 mm on each of the non- tail sides. If a custom configuration requiring less than a 4 mm border is required, please contact us to discuss your options.

5. Tail Type: Decide the best tail type for your application. You can choose from Integral, FPC (Flexible Printed Circuit) and HSC (Heat Sealed Circuit). While we normally suggest the selection of FPC or HSC tails, some special applications may require the presence of Integral construction. You will also need to determine the tail length, width, and pitch.

6. Tail Placement & Pin (Connector) Assignment, Ref.: Determine the placement of the tail on the panel layout. Determine the pin assignment for connector type, if the application's circuitry has been confirmed.

7. Backing Glass Thickness: You will need to decide the thickness requirements of the ITO backing glass, thicknesses vary such as 0.7mm, 1.1mm, 1.57mm, 1.8mm, 2.3mm and 3.0mm, or acrylic backing panels. Screens larger than 8.4" will be better served by glass 1.57mm or thicker.

8. Surface Finish: Determine if your application needs call for an antiglare or clear surface finish?

9. Special Requirements: If any other special requirements are required by your application, such as rear side adhesive, front side gasket, front side adhesive, venting, Chemically Strengthened Glass, Anti-Newton Rings construction or others, simply let us know. We can work with you to make sure all your unique needs are met.

10. Please complete TOUCH SCREEN RFQ WORKSHEET for quote. (Attached)

MATRIX TOUCH SCREEN WORKSHEET

Name:

E-mail:

Company:

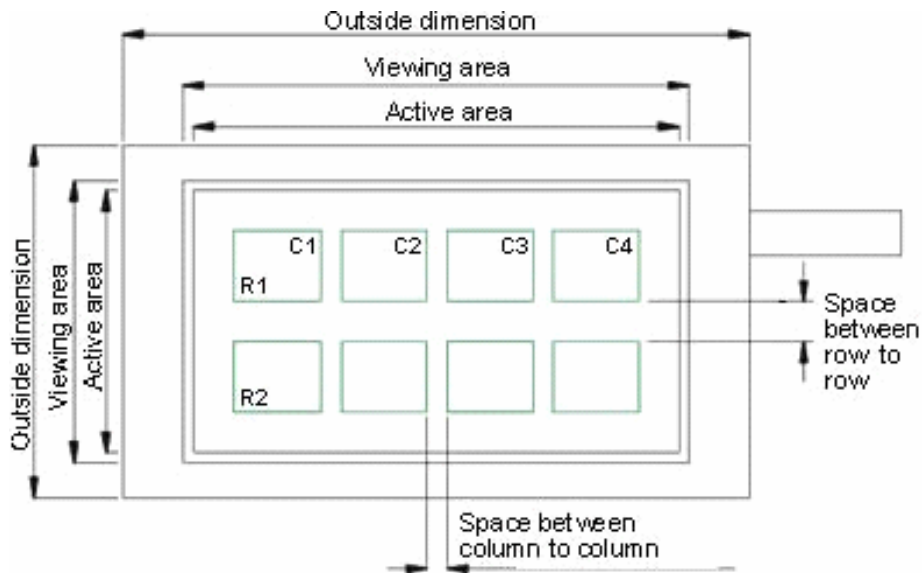
Phone:

Fax:

LCD Manufacturer Part#:

E.A.U.:

Production Schedule:



Please specify all dimensions listed in above drawing and below.

Tail type, location & length:

Pin-out orientation:

Any other specifics:

ANALOG TOUCH SCREEN WORKSHEET

Name:

E-mail:

Company:

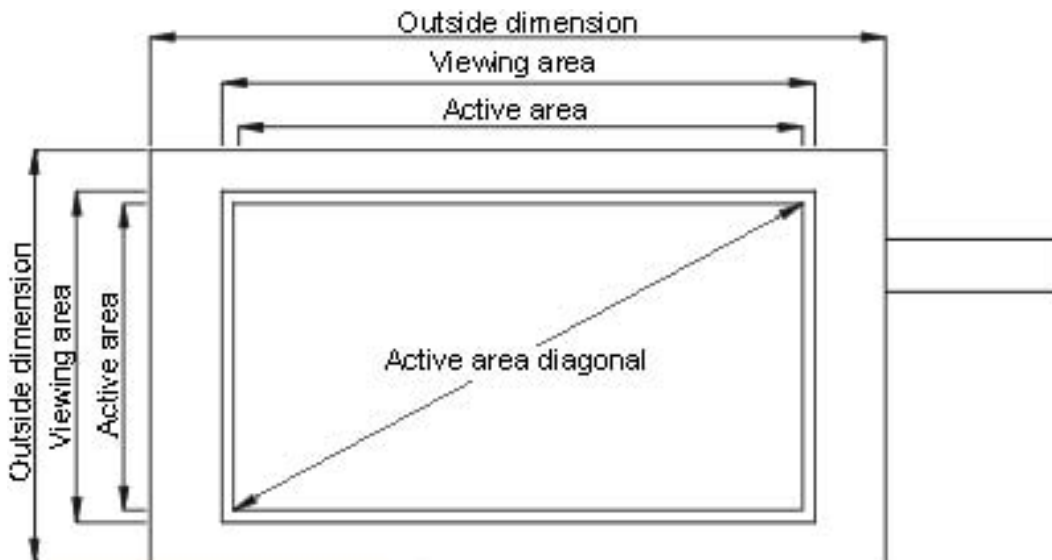
Phone:

Fax:

LCD Manufacturer Part#:

E.A.U.:

Production Schedule:



Please specify all dimensions listed in above drawing and below.

Tail type, location & length:

Pin-out orientation:

Any other specifics: