



**32.0" PCAP Solution  
12044515  
eTS320W4P8-S**

Revision: 000

Date: 2020-05-04

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## 1 Scope

DATA MODUL's PCAP solution 12044515 consists of a 32.0" capacitive touch screen. Please note that this is only a sub-assembly of the final product. The specification of the final end product might differ from this specification.

## 2 Touch Sensor and Cover Glass

### 2.1 Technical Parameters

Screen size	32.0 inch /81.2 cm
Format	wide
Composite	Film / Film
Outline dimensions	719.20 x 414.30 x 0.49 mm (WxHxT)
Active area	705.40 x 399.85 mm (WxH)
Bending radius of tail	R = 2 mm recommended
Transmissivity	85% (min.)
Operating temperature and humidity	-20 to +70°C, 20 to 80% RH
Storage temperature and humidity	-20 to +70°C, 10 to 90 % RH
Tail connector	ATOM FPC05050-43203, ATOM FPC05050-43203, ATOM FPC05030-43202, ATOM FPC05030-43202

### 2.2 Reliability Tests

Low Temperature Storage Test	-20°C for 96h
High Temperature Storage Test	70°C for 96h
High Temperature / High Humidity Test	40°C, 90% RH for 96h
Thermal Shock Test	-20 to +70°C, 1hr: 5cycles

### 3 Recommended Touch Controller

The recommendation for this PCAP solution is a controller based on ILI2315PB. Please ask your local DATA MODUL sales representative for further details.

## 4 Optical Inspection Criteria and Handling Recommendations

### 4.1 Optical Inspection Criteria

For details on the optical inspection criteria, please refer to DATA MODULs Outgoing Spec or ask your local DATA MODUL sales representative.

### 4.2 Handling Recommendations

Precautions for operation

- Do not put a heavy, hard or sharp object on the product
- Do not bend the product in order to assure the reliability
- Do not put one product on the other. Otherwise, it may cause the product to be scratched
- Do not use any organic solvent acid or alkali solution.

Precautions for mounting

- The panel should be mounted using a configuration that either holds the panel by all four corners or by all four sides
- The bezel edge must be positioned outside the active area. The bezel may cause false activation if the edge overlaps the active area
- Any mounting configuration should ensure that there is no twisting force applied to the panel
- 1mm distance between TFT screen and touch panel is recommended

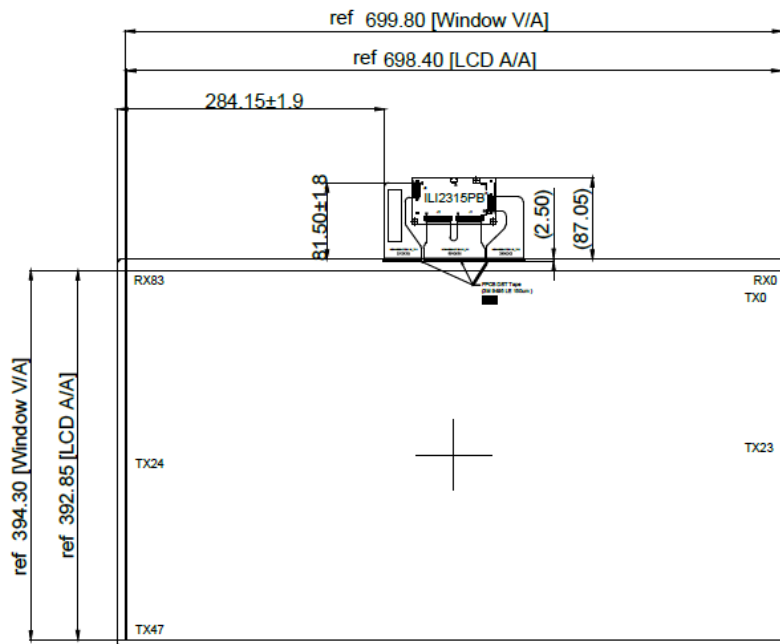
Precautions for tail

- In order to avoid damaging and malfunction of the sensor, please don't bend the FPC area next to the panel
- Excess or repeated bending of the FPC connector should also be avoided

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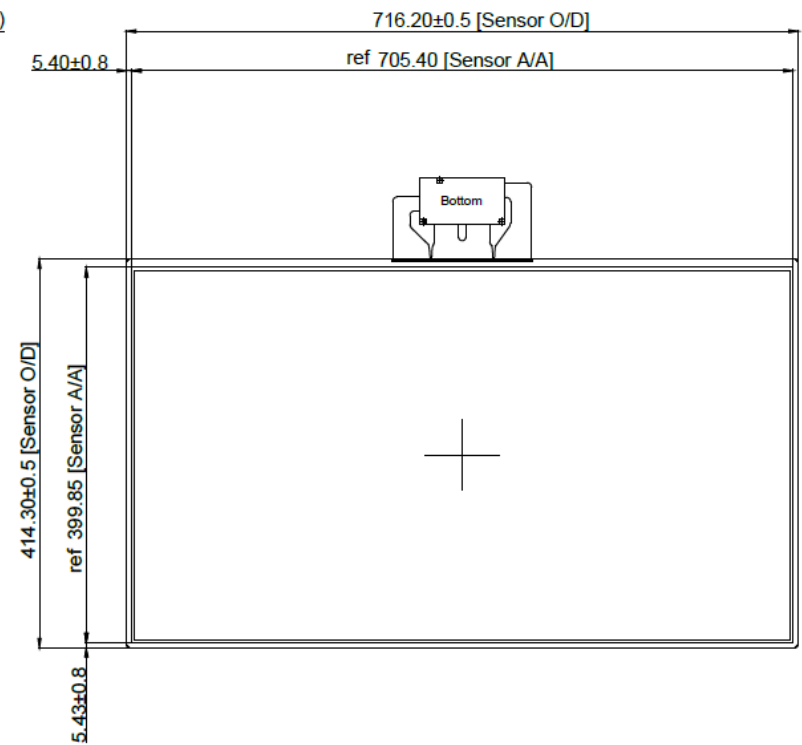
## 5 Appendix A: Technical Drawing

Top view



Side view

0.49±0.05  
(Sensor Thickness)



Bot view

## 6 Revision History

Revision	Date	Author	Changes
000	2020-05-04	T. Golling	initial version

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