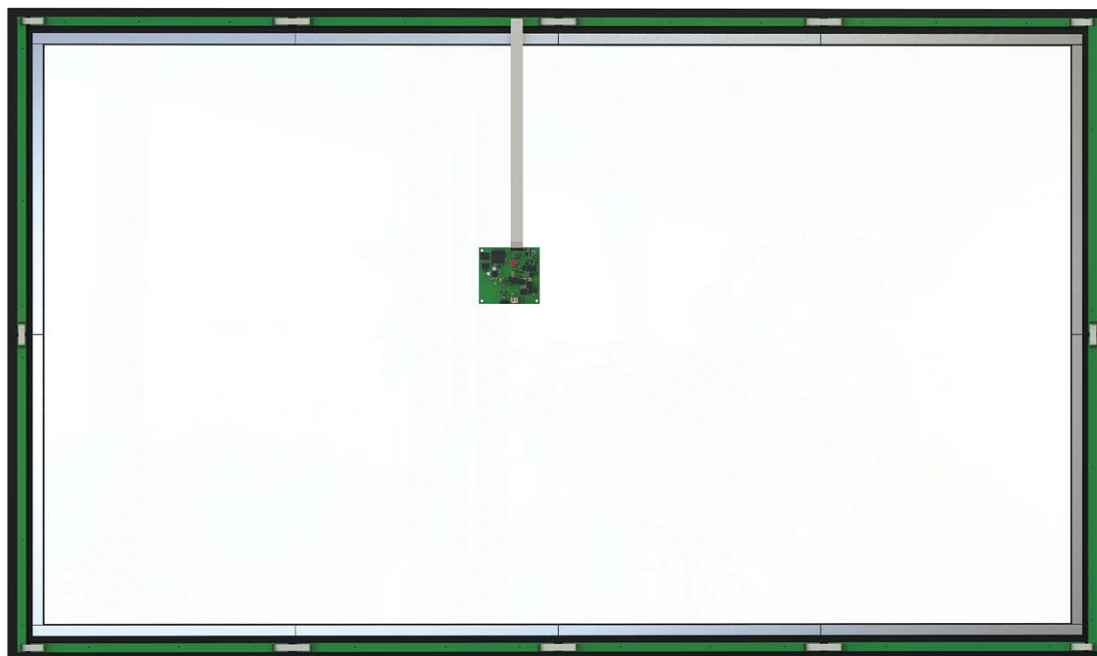


FLATFROG EXPERIENCE

E-TM55F



FlatFrog 55" touch module for integration with LCD panels

- Ultra thin, edge-to-edge design
- Perfect optical clarity
- Support for any gloves and thin tip styluses
- Unique pressure detection
- Windows and Android support



FlatFrog E-TM55F is the perfect solution for interactive multi user tables. The ease of integration and the flush edge-to-edge design makes it very well suited for digital signage, education and collaboration solutions in any form factor.

FlatFrog InGlass™ Touch enables a perfect viewing experience since it has no sensor grid obstructing the visual clarity. Further E-TM55F uses a highly transmissive anti-fingerprint treated glass.

FlatFrog InGlass™ Touch offers industry-leading multi-touch performance, ensuring a perfect Windows or Android user interface experience. The technology also has the unique ability to sense more than 1,000 levels of pressure. This enables pressure sensitive drawing and writing as well as new application gestures for music, gaming and smart user interfaces.

FlatFrog Experience series offers a true tablet touch experience for large interactive displays. All products feature a flush, bezel free, edge-to-edge design – perfect for digital signage, interactive whiteboards and table computers in sizes from 32"–65".

TECHNICAL SPECIFICATIONS

TOUCH PERFORMANCE

| | |
|--------------------------|--|
| Multiple touches | 10 simultaneous touches and drags |
| Touch resolution | 19354 x 10886 |
| Accuracy | <2mm (95% of screen) |
| Latency | <15 ms panning, <25ms touch down |
| Reporting rate | 100 Hz |
| Touch objects | Fingers, gloves, soft tip styluses and soft objects are detected – min size 4 mm |
| Optional features | 10-bit pressure detection |

ELECTRONICS

| | |
|-----------------------------|--|
| Main board interface | Data communication: USB 2.0 Hi-Speed – Dual power supply: VBUS (5V) – VTSF (24V) |
| Operating current | 5V (0.5A max) 24V (1.05A max) |
| Touch interface | USB HID Multi-touch |

OPERATING SYSTEMS SUPPORT

| | |
|-------------------------|--|
| OS Compatibility | Windows 7/8/10, Linux and Android versions with native support for USB HID Multi-touch. MacOS via 3rd party driver |
|-------------------------|--|

MECHANICAL

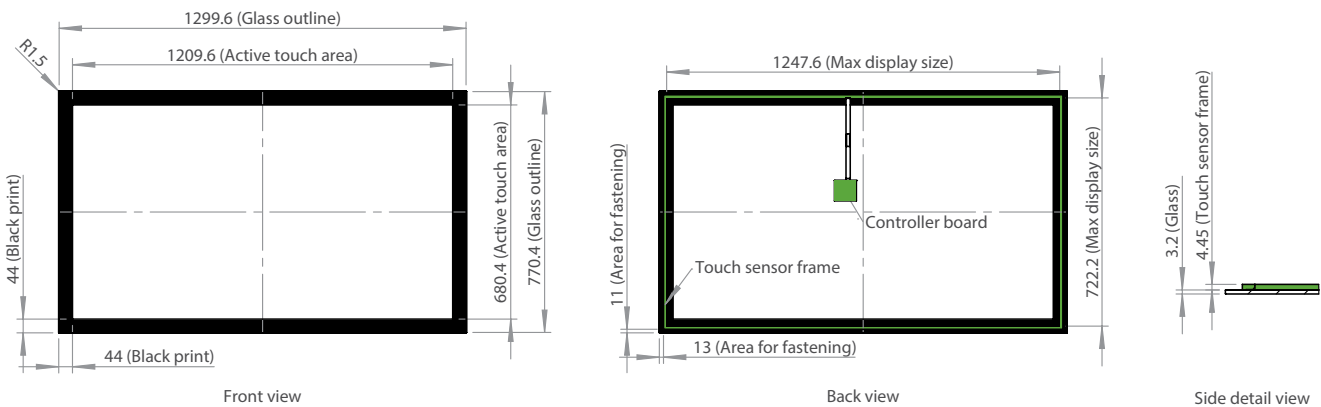
| | |
|--------------------------------|---|
| Cover lens ID concept | Edge-to-edge flush design – no bezel |
| LCD panel integration | Minimal air-gap bonding |
| Cover lens type | Chemically strengthened soda lime |
| Cover lens thickness | 3.2 mm single glass |
| Light transmission | >89% |
| Haze | <0.5% |
| Surface treatment front | Anti-fingerprint coating Pencil hardness: 8H |
| Surface treatment back | Black print |
| Weight including glass | 8.2 kg |

RELIABILITY AND SAFETY

| | |
|-----------------------------|--|
| Operating conditions | 0°C to +60°C |
| Storing conditions | -30°C to +70°C |
| Impact resistance | Ball drop UL60950 (500g/1.3m) Impact hammer IEC60065 (0.5J) |
| Compliance | RoHS and REACH compliant Designed for CE/FCC compliance Designed for IPXX compliance |

DIMENSIONS

Units: mm



FlatFrog is revolutionizing the touch industry with its patented InGlass™ Touch technology. FlatFrog's products offer a perfect touch and viewing experience, supporting over 40 touches with unique pressure detection in a flush, bezel-free design. FlatFrog Touch is designed for mass production and integration into tablets, PC's and large interactive displays. FlatFrog Laboratories AB is based in Lund, Sweden.

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