

FT161MLED

v1: GL: TBD | EU: TBD

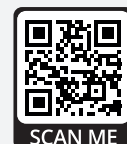
AUO
Partner

Not actual representation of COF + T-CON

Prototype Datasheet (Preliminary)

02.09.2026

Pictures show sample configurations, real product may vary.



DISPLAY

Display Size [inch]	16.1
Display Technology	AUO Transparent Micro-LED
Driver Element	TFT Active Matrix
Pixel Density/Pitch [mm]	0.692
Aspect Ratio	4:9 (portrait)
Resolution [pixel]	240 × 540
Active Area W × H [mm]	165.9 × 373.59
Outline Dimension W × H × D [mm]	165.98 × 511.284 × 0.73
Display Colors	1.07B (10bit)
Transmittance	> 60%
Display Operation Mode	Normally Black
Brightness [cd/m ²]	800
Color Gamut	DCI-P3 > 98%
Interface	V-by-one

COVER GLASS

Cover Glass Thickness [mm]	0.73 + Molding Film
Cover Glass Surface Treatment	Molding (Haze ≤ 4%, Reflectance <15%)
IK Protection	TBD
Strengthening	Thermally Strengthened
Optical Bonding	Optional, Clear Bond®

INTENDED USE/APPLICATION

The device is to be used as a Transparent Micro-LED for indoor or semi-outdoor use to replace glass applications for retail, hospitality, transportation, automotive, aerospace and military.

Direct sunlight might increase the device temperature beyond the allowed storage and operation conditions. Therefore the devices must be protected against direct sunlight. Devices operated or stored outside the specified temperature ranges are not covered by warranty.

ENVIRONMENTAL CONDITIONS

Operation Temperature	0°C to 40°C
Storage Temperature	-10°C to 60°C
Operation Humidity Range	10% to 80%
Storage Humidity Range	10% to 90%

CERTIFICATIONS

CE Compliant	Yes (no certificate)
FCC Compliant	Yes (no certificate)

Products are Compliant with these regulations, but no formal certificate is available, this can be requested for an additional fee.

POWER

Working Power	19V, 1.3A
Power Consumption	Max. 30W
Stand-By Consumption	<1W

WEIGHT & PACKAGING

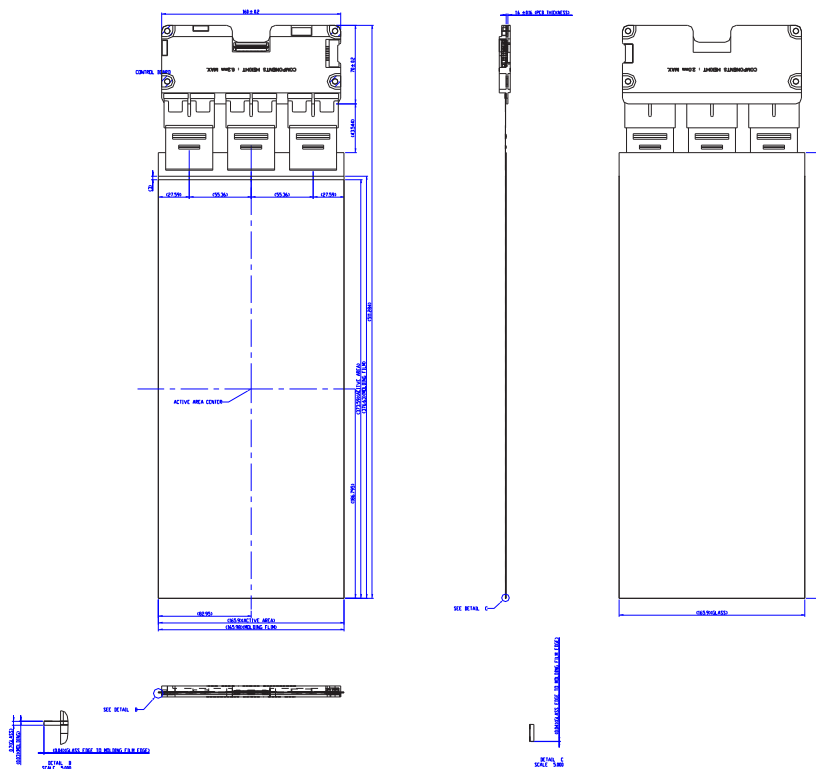
Net Weight	~0.6 kg est.
Gross Weight	~TBD kg est. (incl. Cartonage)
Packaging Material	100% recyclable cardboard and polyethylene (PE)
Packaging Size L × W × H [mm]	TBD

COMBINATION OPTIONS (SEPARATE DATASHEETS)

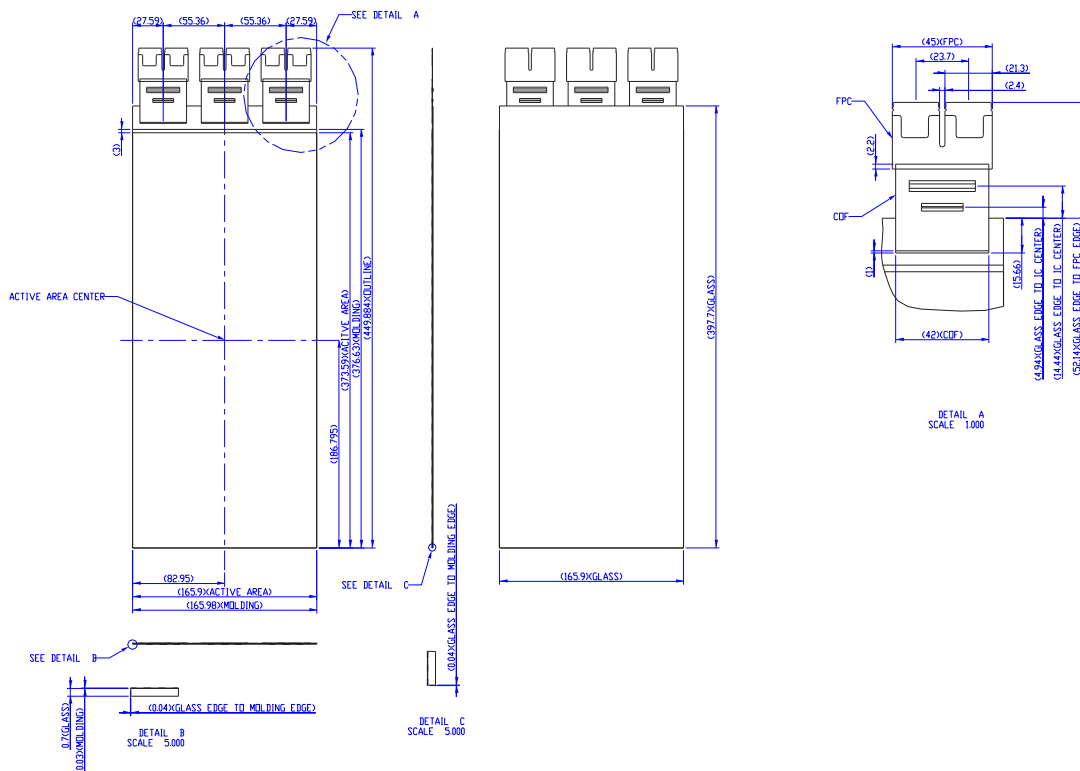
Combination	Video Box S210 (HDMI 2.0)
20" (2x 16.1")	480 × 540 8:9 Ratio
30" (4x 16.1")	960 × 540 16:9 Ratio
54" (8x 16.1")	1920 × 540 32:9 Ratio

DIMENSIONS

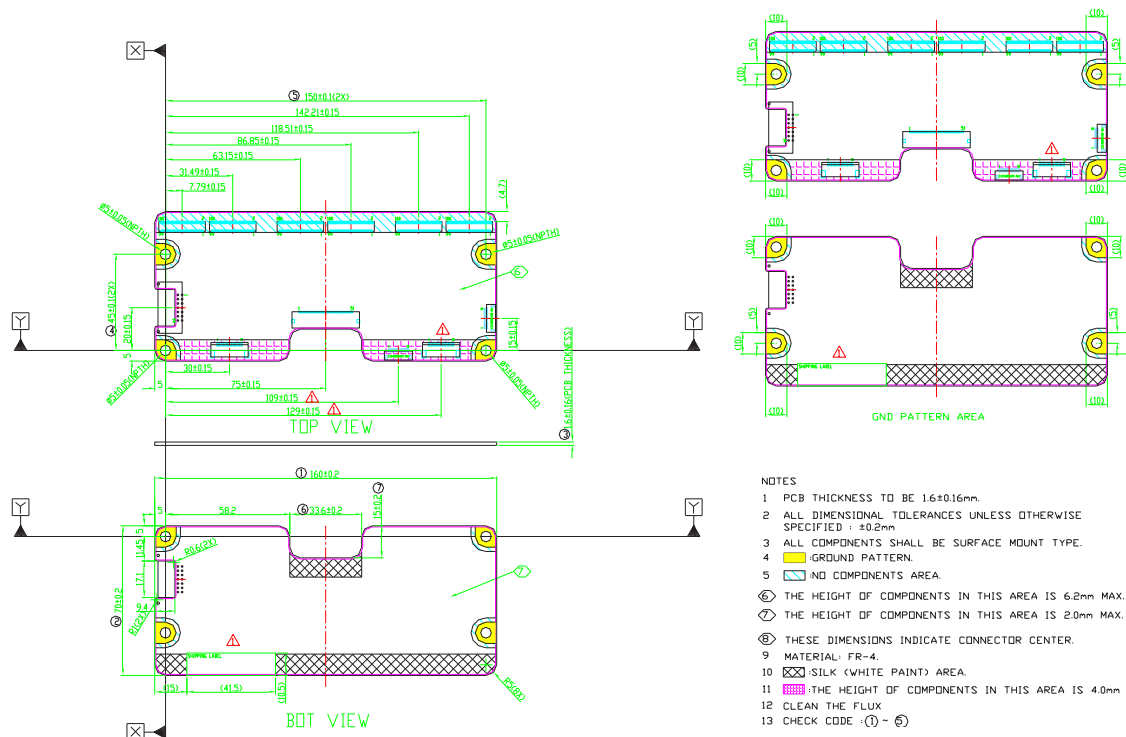
Micro-LED Display Module w/ T-Con



Micro-LED Display Module w/o T-Con



DIMENSIONS T-Con



UPDATE NOTES:

Version:	Changes:
v1	First version