![LUMINEQ®]

ELT78S-HUD

The ELT78S-HUD-CAN is a segmented display demonstrator that exhibits the full see-through properties of transparent Lumineq® display.
The display comes with a segment/icon design intended for electric car head-up display (HUD) applications.
Transparent Lumineq® displays are ideal for fields where full transparency and ruggedness are of paramount importance.
Lumineq displays, enabled by Atomic Layer Deposition, are the world's most transparent and most reliable displays.

Lumineq Transparent HUD Display

Product capabilities:

The ELT78S-HUD is designed to demonstrate and to help you to evaluate the unique capabilities of transparent Lumineq displays. The demonstrator helps you in concept design and prototyping, perform lamination trials to adapt the technology to your application.

Product features:

- Turnkey demonstrator consisting of transparent display with FPC, driving electronics and power supplies.
- HUD with 78 individually controlled segments
- TIP-version
  - 1 encapsulated display
  - 1 set of electronics
  - Power supplies
  - Cabling
- LIP for lamination
  - 4 mechanical samples
  - 2 mech samples with FPC
  - 1 functional display
  - 1 set of electronics
  - Power supplies
  - Cabling
- Lamination required prior to use with LIP kit.
- Scripted demo mode and CAN protocol version selectable through DIP-switch.
- LUMÌNEQ displays in general are fully customizable: Glass size, shape, segment design and contacting. Driving electronics, interface, and flex design.

Technical specifications:

Technology	Transparent Thin Film Electroluminescence. Solid state, inorganic, emissive
Color	TFEL-yellow
Type	Segmented, 78 predefined segments
Transparency	>80% >70% complete laminated stack with display when properly laminated
Viewing angle	Almost 360°, fully transparent
Contrast	ambient (background lighting) dependent
Response time	< 1 ms
Luminance	~1000 cd/m2
Glass size	100 mm diagonal + glass contact area
Glass thickness	0.7 mm for lamination 3.9 mm stand-alone (total - encapsulated with cover glass)
Flex (FPC)	Straight, length 350mm, 2 pcs
PCB size	79x50x<35 mm (2 pcs)
Power	Typical <7 W
Input Voltage	12 V_{DC}
Interface	Scripted mode or CAN
Warranty	3 months (Demonstrator/development kit)

Ordering Information:

Product	Part number	Features
LIP ELT78S-HUD-07	EL00177900	Lamination Introductory Package incl. dummies and actual display. Lumineq CAN/scripted version.
TIP ELT78S-HUD	EL00178000	Stand-alone model. Lumineq CAN/scripted version.

For RS-485 interface version contact sales.

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