Sloki Software Technologies LLP

www.sloki.in

ISO 9001:2015 Certified

Sloki HMI Cluster Solution for Electric 2 Wheelers

Image is for illustration purpose only

2 Wheeler Cluster for Electric Vehicle

Software Features:
- Controlling of colour segments
- Wake up over CAN,
- Power On Built In Test and Diagnostics.
- Astro Mode clock for brightness control and/or Ambient light bases brightness control
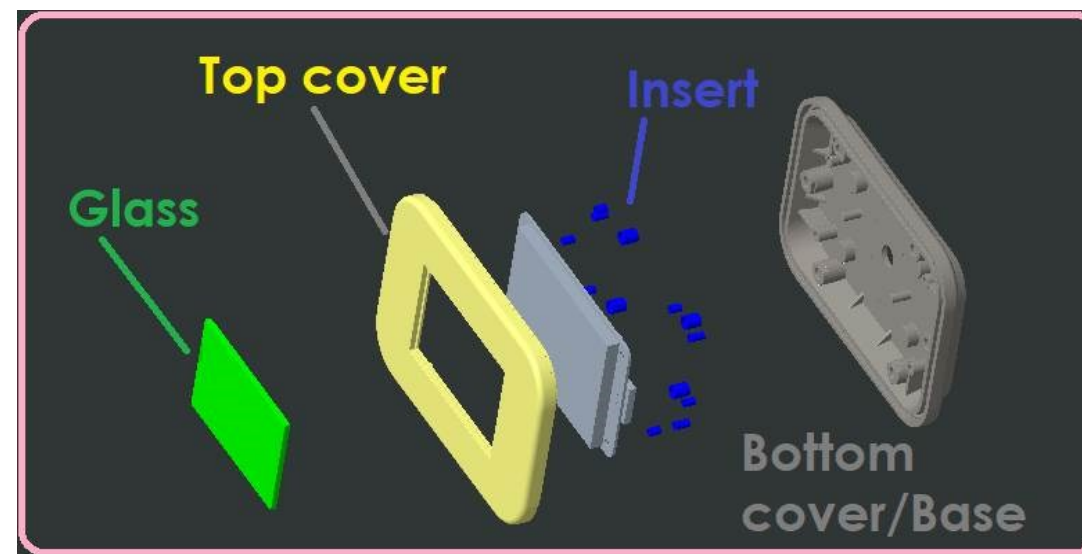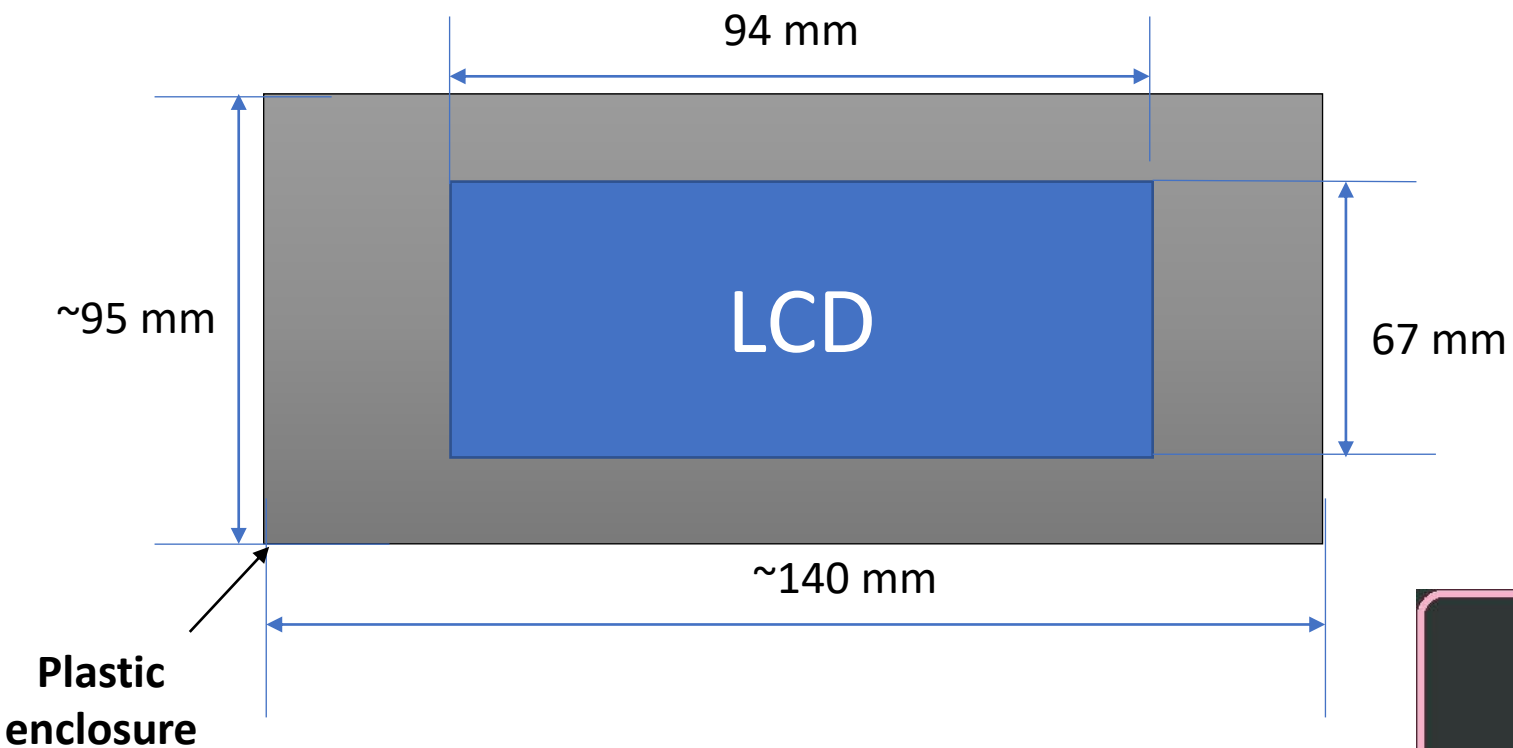- CAN based communication and Boot loader.

Hardware Features/Spec:
- Overall optimized BOM cost
- Automotive grade Controller with CAN communication.
- Power regulator with low power feature.
- Wake up over CAN feature. Ultra low power of less than 1 mA during sleep.
- Auto Brightness Control for Sunlight Readable.
- 12V Battery Powered
- 10 Digital/ Analog (12Vdc Compatible)
- 1 Digital/Edge Interrupt (12Vdc Compatible)
- Digital/ PWM (12Vdc Compatible)

94 mm

LCD

~95 mm

67 mm

~140 mm

Plastic enclosure

Top cover

Insert

Glass

Bottom cover/Base

**Quick Customization
New HMI Layout
within 2 Months**

**1st time in India with
EBTN/UA display tech
for 2-Wheelers**

**Cater to Startups with
Low volume req.
(~500/1000)**

Sun light readability

**TFT Quality at Segmented
LCD Pricing**

**Complete Design/Components
Automotive grade**

**Flexible and
Adaptable Team**

HMI Cluster Specifications

Parameter	Range
Operating Voltage	9V -12V-DC
Operating Current (Normal Mode)	10 mA to 250 mA
Operating Current (Sleep Mode)	<1 mA
Operating Temperature	-30 ℃ ~ +95 ℃
Storage Temperature	-40 ℃ ~ +105 ℃
Wired Communication	CAN 2.0B, 500 Kbps
10 Wired Input	Digital/ Analog (12Vdc Compatible)
1 Wired Input	Digital/Edge Interrupt (12Vdc Compatible)
1 Wired Input	Digital/ PWM (12Vdc Compatible)

Parameter	Range
Back-Light Luminance	Sunlight Readable capability for Indian Geography
Brightness Control	YES /Auto Brightness Control
RoHS Compliance	YES
ASIL Level	QM
Screen Size	94mm x 67mm
Display Orientation	Landscape
Viewing Direction	6 O' Clock
LCD display type	EBTN (Enhanced Background Twisted Nematic) Segmented LCD
Bootloader Option	Yes – UDS ISO 14229 Compatible Bootloader protocol over CAN

1. Sloki team can support the production through its established eco-system of contract manufacturer within India.

2. Genuine channel partner for component procurement.

3. Production handling capabilities: Volume of 2K up-to 200K per Year.

4. Low volume support during vehicle launch stage: 1000/2000 Qty.

5. Certification Support: Sloki can support customer for Product Certification at reasonable handling charges.

6. Custom Design: Sloki team can support designing the custom HMI layout and deliver the prototype samples within 2 to 3 months of time.

Thank You

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