RGB SCREENKEYS

RGB ScreenKeys are the latest offering in the LC Trend Series. RGB ScreenKeys use Red, Green and Blue LED backlights resulting in an enhanced backlight viewing experience.

ScreenKeys are programmable LCD pushbutton key switches with LED backlighting. Standard LC Trend ScreenKeys have 4 red and 4 green LEDs and the new RGB ScreenKey uses 4 red, 4 green and 4 blue LEDs in each key.

RGB ScreenKeys are physically compatible with LC16 and LC24 Trend ScreenKeys. They have the same footprint, same pin-out, have an identical package size, and use the same command interface. The only difference is in how the backlight colors are selected.

RGB ScreenKeys are offered with the standard LC Trend non-tactile configuration or with the **Tactile** operation which incorporates an enhanced operational cycles lifetime.

Resolutions:

RGB Trend and **LC Trend ScreenKeys** are offered with two LCD resolutions:
  - 32x16 pixel matrix resolution
  - 36x24 pixel matrix resolution

Tactile Operation:

Both the 32x16 and the 36x24 resolution RGB ScreenKeys are available with or without tactile feedback.

Benefits:

- Multi-color backlighting based on RGB spectrum
- RGB colors include: Red, Green, Blue, Purple, Torquoise, White, Yellow/Green
- LEDs can be operated at two different intensities
- Display Text, Graphics and Animations
- Freely programmable LCD
- Integrated Graphics and LED Controller (ASIC)
- Simple to integrate and design into projects
- Identical technical and physical properties as the LC Trend Series
- Only 6 contacts per ScreenKey (2 switch contact pins, 2 comms and 2 for power)
- Tactile Feedback option
- Keyswitch lifetime: of >3 million operations (tactile)
- Display and background color refreshed internally
- Software Development Toolset and Development Boards available

Order Information:

Part no.	Description
RGB16	32x16 resolution RGB ScreenKeys
RGB24	36x24 resolution RGB ScreenKeys
RGB16T	32x16 resolution RGB ScreenKeys with Tactile Feeback
RGB24T	36x24 resolution RGB ScreenKeys with Tactile Feeback

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