



# 8, 4 & 2 MUX LCD Controller and Driver

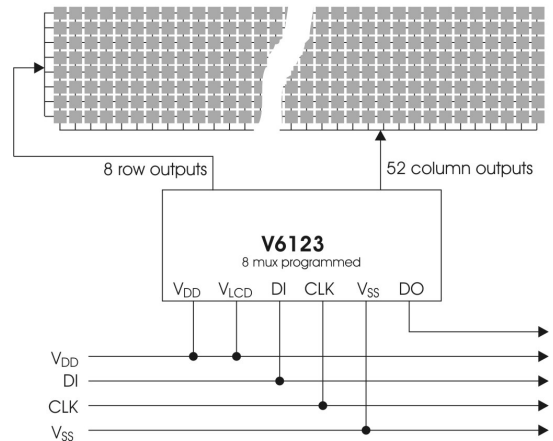
## Low mux 2 wires interface

### Description

The V6123 is a low power bit map controller and driver for full dot matrix monochrome TN and STN LCD displays. The driving capability is **8 rows x 52 columns, 4 rows x 56 columns and 2 rows x 58 columns** addressed by 2-wire interface. This capability is increased using the cascadability option.  $V_{LCD}$  is externally supplied until 8.5V.

### Key Features

- 2 wire interface
- Cascadable
- No external components
- External LCD voltage 2V to 8.5V
- Supply voltage from low 2V up to 6V
- Low Current:  $I_{LCD}=175\mu A$   
 $I_{DD}=29\mu A$  (active)
- Oscillator for LCD refresh on chip
- Intermediate bias voltage generation on chip
- Available in die with gold bumps, COG, COF and COB



### Typical Applications

- Automotive displays
- Phones displays
- Large displays
- Balances
- Scales and utility meters

### & BENEFITS

- High Capability using cascade function*
- Flexibility and easy to design-in*
- Usable with a wide range of modules*
- Ideal for portable applications*
- Save PCB space*

