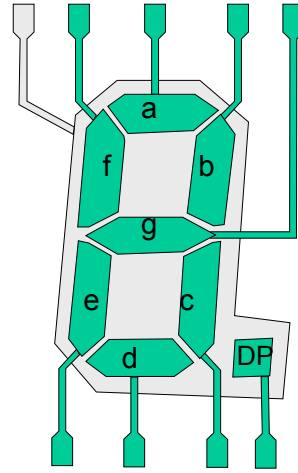


## ID MOS Digital I.P. SHORTFORM

**IM234:** Static LCD controller



## PRODUCT DESCRIPTION

**IM234** is a Static LCD controller which operates with many common display. By static, we refer to the unique access to every segment of every digit on a given display. The figure below shows an example display segment and the wires that go to all segments. A further connection is needed to a common back plane that is placed behind the liquid crystal segments (light grey background in diagram).

The outputs from this IP model must be applied to the LCD carefully. Even a small DC offset ( $> 50\text{mV}$  DC) applied to the LCD panel may destroy the structure. For this reason a CMOS rather TTL type output is recommended

## FEATURES

- 3 Digits available
- More digits can be added easily
- One Common Backplane for all segments
- 5 extra segments for LoBat, +, -, etc....

## BLOCK DESCRIPTION

