Reconfigurable Touch Panel

With the increase of in-vehicle information, new solutions are needed to allow drivers and passengers to easily interface with the vehicle, navigate through diverse menus and data content, and safely make selections.

Visteon’s reconfigurable touch panel uses capacitive touch technology to provide solid state buttons for direct access to key menus and a reconfigurable touch screen window for a range of picto-graphical menus presented to occupants based on content.

The touch control panel interface also supports haptic feedback, mouse touch pad, handwriting recognition, alphanumeric phone keyboard and full keyboard.

Benefits

- Optimizes the amount of information and menu options presented to the driver and passenger for reduced driver distraction
- Reduces the need for visual confirmation by providing feedback to the driver when a selection is made on the haptic feedback surface
- Enables easy upgrades – content can be automatically configured and updated as new features are added to the vehicle
- Reconfigurable touch interface integrates button pack, keyboard and handwriting recognition functions for improved functionality and reduced vehicle cost

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Status

- Production 2012
- Application ready
- Advanced development

Features

- Display
  - 4.2” LCD TFT (480 x 272 pixels), 16:9 aspect ratio
  - 2000:1 contrast ratio. Max luminance is 500 nits
  - Other display sizes can be provided on request
- Haptic feedback
  - Mechanical actuators
- Touchscreen
  - Capacitive
  - Multi-touch gestures (up to 10 touches)
- Vehicle Interface
  - Low speed CAN
- Touch Control Panel supports
  - Multiple solid state switches
  - Reconfigurable touch panel
  - Favorites and shortcuts
  - Alpha numeric and QWERTY key boards
  - Handwriting recognition