

**Access high-speed audio and video connections through integrated active and passive Customer Convenience Port Modules from Molex, providing innovative I/O solutions for the entire transportation market**

Molex can quickly and cost effectively qualify, design and supply active and passive input/output (I/O) Customer Convenience Port (CCP) Modules. With years of engineering and connector-manufacturing experience, Molex provides a full end-to-end solution for the automotive and non-automotive transportation markets.

CCP modules enable the integration of multiple connection types such as HSAutoLink™, USB, HDMI, 1394, Ethernet, SD Memory Cards, Auxiliary Jack inputs and more to meet end-system requirements in either active or passive designs.

CCP's enable state-of-the art audio and video capabilities such as PDAs, laptop computers, video displays, CD players, DVDs, or games. For more information, visit: [www.molex.com/link/ccpmodules.html](http://www.molex.com/link/ccpmodules.html).

**FEATURES AND BENEFITS**

- Flexible design capabilities: full I/O integration, passive and active PCB routing and mechanical enclosure design so customers can offload engineering efforts and receive a high level of customization to meet their design requirements
- Extensive Molex automotive I/O connector offering for broad connector alternatives and reduced overall cost
- Reference designs available using the major I/O interfaces: USB A, SD card slots and auxiliary and RCA jacks reduce time-to-market by adapting an existing reference design to a custom application
- Power supply and media-bus architecture designed to adapt to the customer's existing application requirements, eliminating or reducing the need for customer to redesign application
- Full turn-key testing and product validation provided, including complete electrical, mechanical, environmental, EMI, ESD and signal integrity testing; these services save customer's both time and money
- Global manufacturing and logistic solutions offer extensive worldwide engineering, manufacturing and hub resources to meet customer's unique supply chain requirements
- Complete manufacturing solution including: surface-mount or through-hole PCB assembly; final assembly and testing; PPAP (Production Parts Approval Process) offering seamless product introduction from one supplier providing design, testing and mass manufacturing of the final product

**Customer Convenience Port (CCP) Modules**



*Customer Convenience Port Modules Ports Displayed (additional ports available): HDMI, USB, etc*

## APPLICATIONS

### In Vehicle Applications

- Infotainment
  - Music
  - Navigation
  - Audio/Video
  - Video Games
  - Bluetooth
  - Headphone Inputs
  - Volume Control
- Loading Data
  - Pictures
  - Maps for Navigation
  - Music
  - Personal Contact Lists
  - Cellular Phone Directory

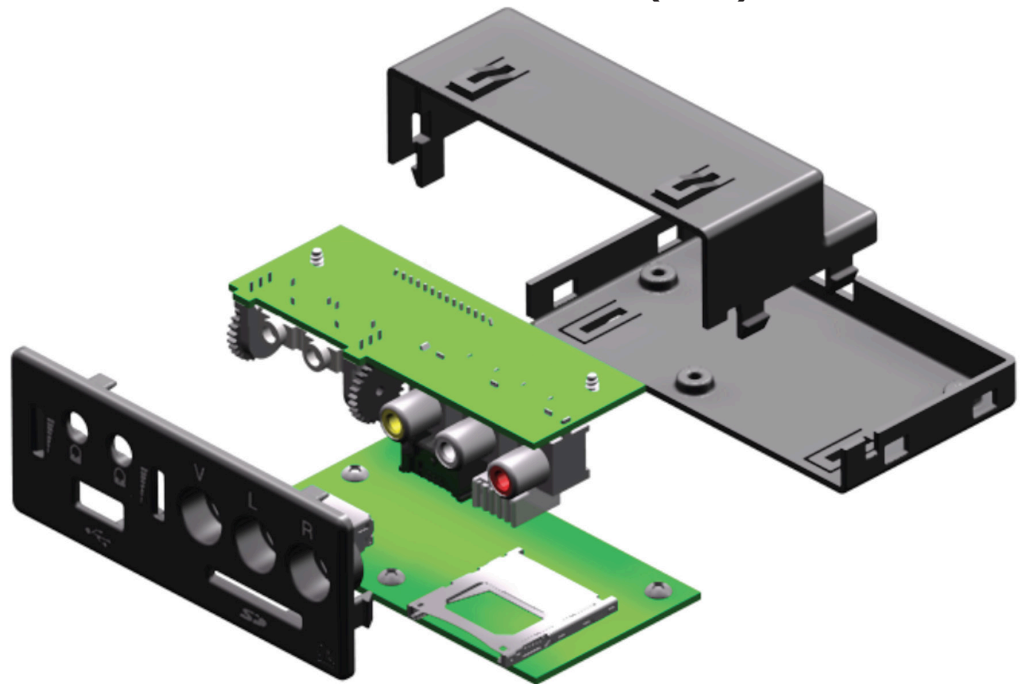
### Markets

- Automotive
  - OEM's
  - Tier 1 suppliers
- Non Automotive Transportation
  - Trucks
  - Agriculture
  - Bus
  - RV's
  - Military Vehicles
  - Boat/Marine
  - Airplane
  - Construction

### CCP Options

- USB
- SD Memory Card
- RCA Jack
- Auxiliary Jack
- HDMI
- 1394
- Ethernet
- Smart Card
- Headphone Jack
- DisplayPort
- Bluetooth
- Flywheel (volume control)
- Capacitive Controls

## Customer Convenience Port (CCP) Modules



Active CCP



Customer Convenience Port Module  
Ports Displayed (additional ports available):  
HDMI, USB, SD Memory Card, RCA Jack, Headphone Jack and Bluetooth