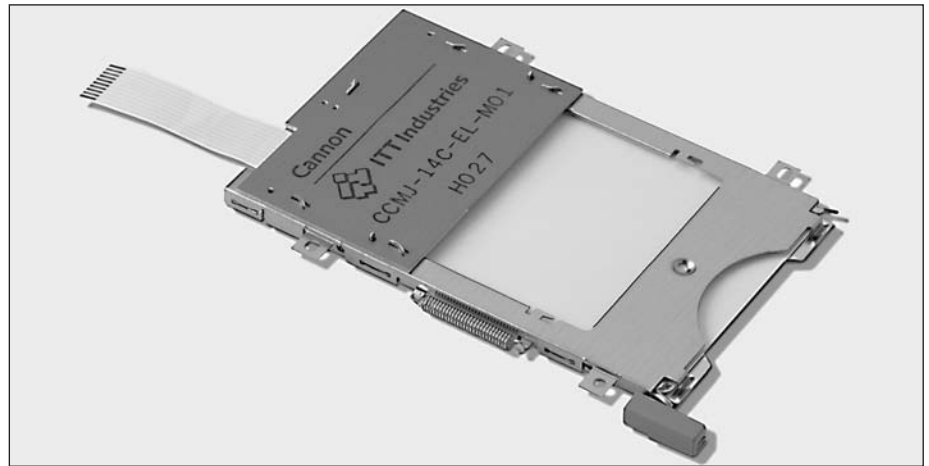


The CCMJ-014C-E with an ejector mechanism and landing system opens new opportunities for future on board applications. It offers higher reliability, durability, maximized space savings, and easy installation. This product delivers higher performance in the most compact, lower profile (4 mm height) design.

**Applications:**

- Access Control
- Electronic Fund Transfer
- Electronic Toll collection
- Identification
- Intelligent Transportation System



 For more information: [www.ittcannon.com/cat213](http://www.ittcannon.com/cat213)

**Product Features**

- Landing Method, a Cannon patent, lifts the card to the contacts with a guaranteed connection and minimal wiping. The connector itself is highly durable and protects the IC card as well. The card is fully inserted into the connector.
- Data Security – The sequential delay time for card extraction between switch and contact is more than 10 ms.
- Easy installation – no soldering is necessary. Only a simple connection of FFC interface cable to the user's interface connector.
- Available with left side ejector button.
- Reads cards of the ISO standard 7816 (full size smart card).

**Performance Specifications**

Card Detection Switch	Card insertion: After IC card's terminal is activated, the card detection switch indicates "off" more than 1 ms.
	Card ejection: When eject button is pushed, card detector is activated. Then required more than 10 ms delay time until contact is removed from IC card.
Card Ejector Button Push Force	12 N min.
Card Insertion Force	10 N max.
Connector Durability	200,000 mating cycles
Contact Resistance	100 mΩ max.
Current	10 μA min./1 A max.
Dielectric Strength	500 V ac rms min.
Insulation Resistance	1,000 MΩ min.
Number of Circuits	8
Operating Temperature	-30°C to 85°C (-22°F to 185°F)
Packaging	6 per tray, 30 trays per box.
Rc Card Detection Switch	1 mΩ max.
Shock	Peak value 20 g – Duration 6 ms, 3 shocks in each direction of each axis. Electrical discontinuity 1 μs max.
Sweep Vibration	Frequency 10 to 200 Hz, Acceleration 5 g (50.0 m/s <sup>2</sup> ) constant, Logarithm sweep, sweep speed 10-200-10 Hz (15 min). Number of sweeps, vertical 8 cycles-2H, horizontal.
Switch Current Rating	0.1 mA min./10 mA max.
Vibration	Frequency 33 Hz. Acceleration 6.8 g (66.6 m/s <sup>2</sup> ) constant. Duration: vertical 8H, horizontal (left-right 2H) (forward-backward 2H). Dielectric discontinuity 1 μs max.

**Materials & Finishes**

Description	Material	Finish
Eject Mechanism	Stainless Steel	—
Contact	Copper Alloy	Gold Alloy inlay

 Please contact your local Cannon representative: [www.ittcannon.com/support/ContactUs](http://www.ittcannon.com/support/ContactUs)