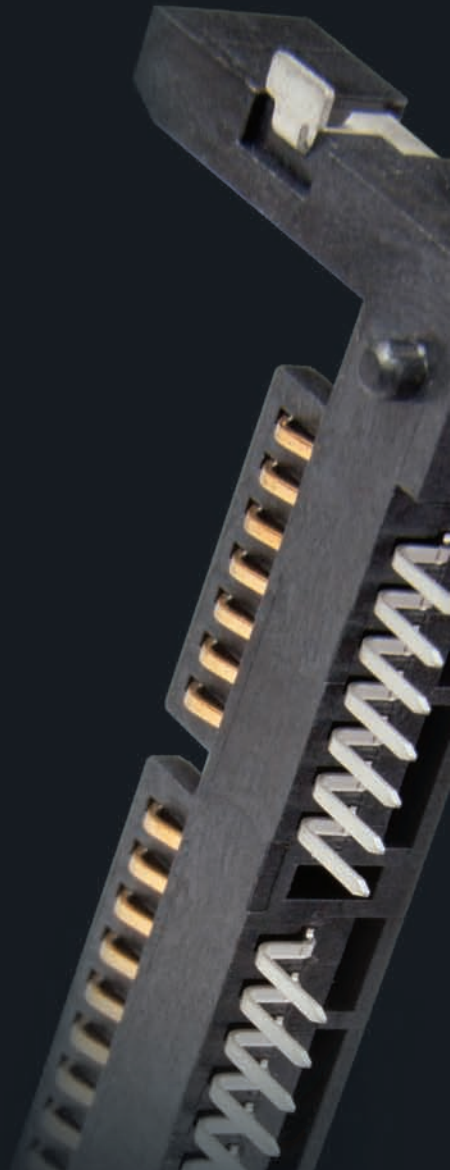




ITT

Interconnect Solutions  
Canon, VEAM, BIW

With 20 million  
ITT Compact Flash card kits  
in use today the future  
now looks to **CFast**

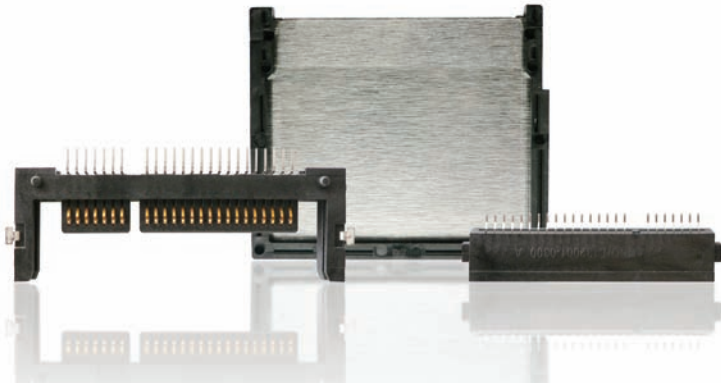


*Engineered for life*

# Rugged – Tamperproof – 100% Reliable

Noting the recent release of the new CFast standard from the Compact Flash Association, ITT Interconnect Solutions recognized the applicability to integrate our innovative card kit designs with this standard and address the growing consumer demand for increased functionality in smaller and lighter packaging. Recognizing that the new standard inte-

grates both parallel (PATA) and serial (SATA) interfaces into hot swappable 24 pin configurations, ICS utilized our comprehensive understanding of customer requirements for tamper resistance and 100% assured reliability to realize a complete line of CFast host / module connectors accommodating our industry leading and patented ultrasonic welding technology.



## THE FUTURE OF Compact Flash IS HERE

Driven by consumer requests, ITT Interconnect Solutions is pleased to introduce our new line of CFast two piece cover sets and 24 pin connectors in kits meeting both the Type I or Type II packaging requirements. Utilizing our patented ultrasonic welding technology, a process demonstrated with 100% reliability for nearly 12 years, the ICS CFast products provide the most secure (tamper proof), rigid, and robust card kit solution on the

market today. Our patented ultrasonic technology directly enables our customers to streamline their manufacturing processes by providing a lean, 6-sigma product realization capability, while ensuring a cost effective solution with the highest possible manufacturing yields. Recognizing our 20 years of collaborating, designing, and delivering innovative card kit solutions, many wireless and consumer customers consider Interconnect Solutions the card kit supplier of choice, with trust earned by the reliable supply of over 20 million card kits.

### WHY INNOVATIVE CUSTOMERS CHOOSE ITT

- **Card kits meet all Type I and Type II CFast specifications**  
*ensuring consistent and reliable functionality against industry expectations*
- **Innovative, surface mountable 24 position host and module connectors**  
*providing flexibility in PCB layouts and ensuring 10,000 mating cycles*
- **Flexibility in connector off-set and cover set design** *allowing additional capability for customer customization to specific product requirements*
- **Stainless steel metal stamping with insert molded frames** *yielding the optimum level of EMI shielding of any competitive offerings*
- **Customer specified selection of optional Mylar Insulation for either side of the cover sets** *providing optimal protection and shielding of all internal components*
- **Patented ultrasonic weld technology** *ensuring the highest level of rigidity, security and tamper resistance of any competitive offering*
- **Integrated and localized design, prototyping, and manufacturing realization** *showcasing our capability to rapidly realize specific customer requirements*

CFast card kits require only 3 to 10 seconds for ultrasonic welding. This process ensures reliable, repeatable, and cost effective manufacturing at high volumes.

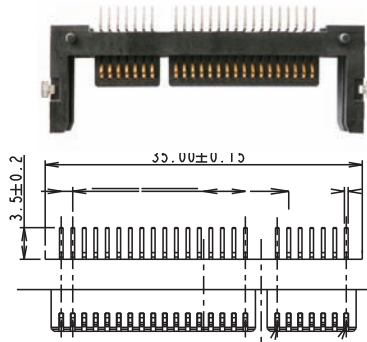
Guide pins and continuous shear welding lines ensure repeatable and accurate cover set orientation prior to welding. Our stainless steel cover sets offer an optional aesthetically superior durabrush finish.

CFast connectors utilize high temperature plastics with single side, single row surface mount tails, designed to withstand 10,000 mating cycles. Flexibility in connector off-set designs ensures additional customization to meet unique customer requirements.

CFast connectors incorporate gold flash contact wiping areas with contact solder tails plated in matte tin. This material combination minimizes contact resistance during repeated mating cycles. Judiciously designed locating pins and grounding clips simplify host connector orientation onto customer designed PCB's.

## Multiple, Customizable Mounting Configurations & 50% Size Reduction Relative to Typical PCMCIA Card Kits

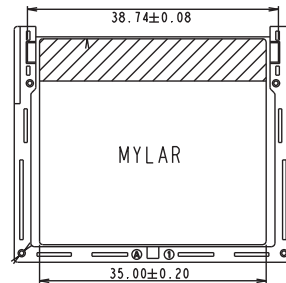
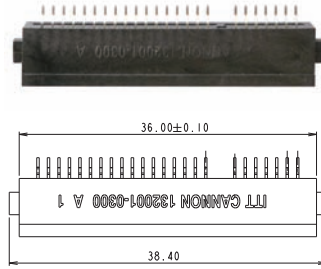
24 Way Surface Mount Host Connector



CFAST COVER



24 Way Surface Mount Module Connector



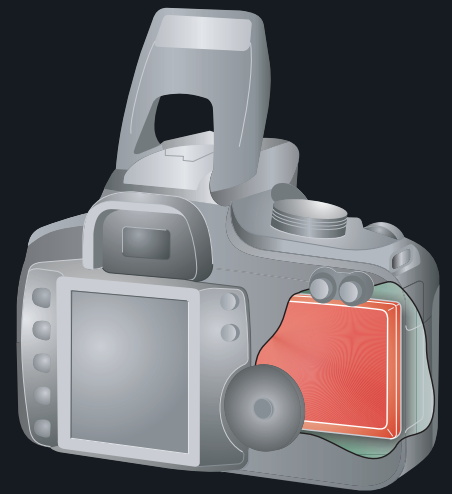
► For more specifications please see: [www.ittcannon.com/...](http://www.ittcannon.com/)

## Premiere Ruggedized Design & Global Execution

With the ITT Interconnect Solutions CFast series, customers may realize a nearly 50% size reduction relative to typical PCMCIA card kits while benefiting from the security and ruggedness afforded by our patented ICS ultrasonic welding capability. Partnered with ITT ICS's pioneering engineering expertise and globally deployed manufacturing excellence, we welcome the opportunity to define, execute, and produce your next generation of compact flash products, localized to your unique needs.

## APPLICATIONS

- Digital Cameras
  - ▶ Image and movie storage
  - ▶ Wireless media transfer
- Camcorders
  - ▶ Movie storage
- Security Devices
  - ▶ Situational monitoring storage
- Medical Instruction
  - ▶ Patient vital monitoring storage and replay
- Wireless Communications
  - ▶ Multimedia and contact storage
- Industrial and Enterprise
  - ▶ Back-Up and Hot Swapable Software
- Test and Measurement Devices
  - ▶ Diagnostics and Trending Storage
- Personal Computers and Printers
  - ▶ File transferring and Software storage



## THINK ABOUT ITT

Reliability, Innovation, and Engineered Solutions, these terms collectively describe ITT Interconnect Solutions and define a legacy of Interconnect Science spanning nearly a century, reflecting billions of quality products sold, and incorporating the three industry leading brands of Cannon,

VEAM, and BIW. Our Innovation Timeline uniquely defines a historical compendium of interconnect leadership spanning over 90 years and including many industry firsts; Audio Connectors, Aviation Circulars, D-Sub's, Micro's, fiber optic assemblies, Zero Insertion Force Technologies, and other advanced applications of Interconnect Science. When collaborating with a technology leader, choose a participant with documented trust, established through

multi-industry achievements as substantiated through the participation on every free world space mission, the creation of the first Mil / Spec interconnects, participation on the first talking movie, 100% reliability for over 45 years in Rail applications, and numerous additional achievements in major Military, Aerospace, Industrial, Medical, and Power markets. At ITT ICS, we truly are "Engineered for Life™."

Think about ITT.







# ITT



**Global Design & Manufacturing**

**Customer Support**

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