D-SUB HIGH DENSITY RANGE PCB connectors

December 2009

FCI
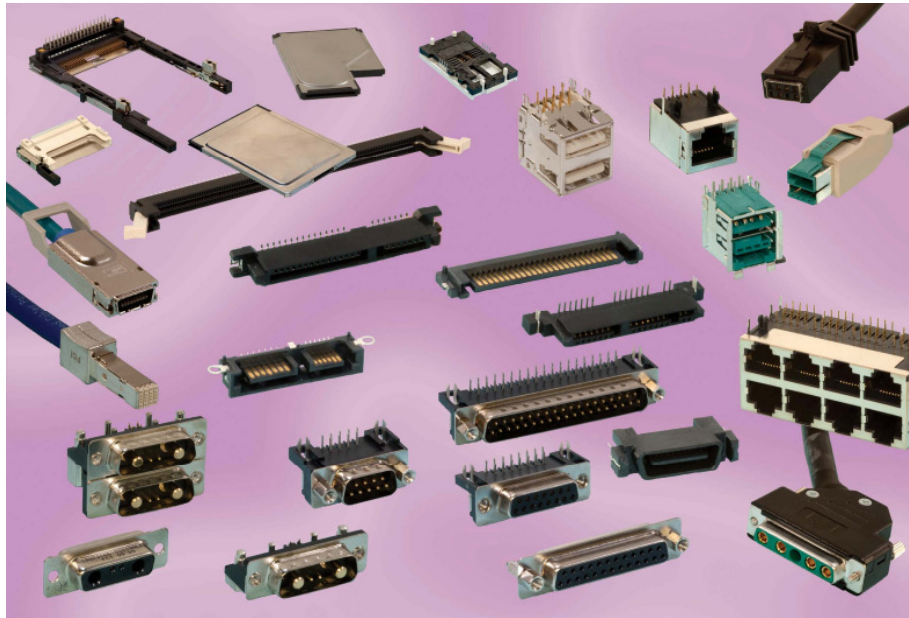
◀ FCI's I/O connector solutions:
  ◀ high-density
  ◀ high-speed interfaces

◀ Applications:
  ◀ networking, storage, and memory, power distribution, media card systems, etc

◀ Industry standards:
  ◀ Ethernet, SFF, Infiniband, USB, PCMCIA™ or HDMI™ , Compact Flash ™, SAS, SATA, etc.

◀ Custom solutions:
  ◀ Cable assemblies.

CONNECTI/ONS

CONNECTIONS

Data & Multimedia I/O's
- HDMI™
- USB
- Modular Jacks
- Latch-N-Lok™

High Speed I/O's
- DensiShield™ Systems
- Eyemax®
- Multilane SAS and SATA Connectors

D-Sub
- Standard Density
- High Density
- Cable Connectors
- Power Connectors
- see more

Cable Assemblies
- DensiShield™ I/O System
- Eyemax® - Infiniband Cable Assembly
- Fiber Optics
- Metral® Cable Assembly
- see more...

Memory & Media Card Systems
- Smartcard
- PCMCIA™
- ExpressCard™
- DDR Memory
- Flash memory products

Storage Interface
- Serial Attached SCSI (SAS) Connectors
- Serial-ATA (SATA) Connectors
- eSATA Connectors
- iVDR Connectors
- see more...

◢ More information can be found on a dedicated website at www.fci.com/io

  ◢ Product selector tables;

  ◢ Data sheets;

  ◢ Product presentations;

  ◢ 3D view models & 2D drawings;

  ◢ Product specifications;

  ◢ Distributor inventory information;

  ◢ etc

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- **Available products:**

  - Press-fit : High pin counts in 62 and 78 ways.

  - Solder-to-board : 15, 26 & 44 ways in right angle socket version. (Pls consult for 62 & 78 ways).

CONNECTIONS

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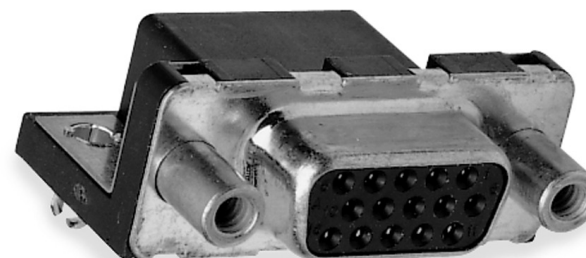
- Segment : Mainly Telecom

- Applications :
  - Applications requiring Thick multilayer PCB's and Large backplanes.

CONNECTI/ONS

- **Higher connector density**
  - Stay with a robust D-sub IO connector for applications requiring more signal density :
    - Higher density with same space usage

	Standard density	High density	
Shell size C	37 contacts	62 contacts	+ 67%
Shell size D	50 contacts	78 contacts	+ 56%

- **Compatible with any thick multilayer PCB**
  - The FCI D-sub press-fit terminations are compatible with any PCB thickness starting from 1.6 mm.

- **Avoid wave soldering**

D-SUB HD press-fit – Product range

- **Lay-outs and versions**
  - 62 ways
    - Straight socket (female) – ex CD62S91C6GV00LF

  - 78 ways
    - Straight pin (male) – ex CD78P91C6GV00LF
    - Right angle socket (female) – ex CD78S80C6GV00LF

- **Available accessories**
  - Female screw locks and female insert with harpoon for electrical continuity.

- **Segment :**
  - Telecom
  - Industrial and Instrumentations
  - Data and Consumer

- **Applications :**
  - Small boards or daughter cards.

- **Higher connector density**
  - Stay with a robust D-sub IO connector for applications requiring more signal density :
    - Higher density with same space usage

	Standard density	High density	
Shell size E	9 contacts	15 contacts	+ 67%
Shell size A	15 contacts	26 contacts	+ 73%
Shell size C	25 contacts	44 contacts	+ 76%
Shell size C	37 contacts	62 contacts	+ 67%
Shell size D	50 contacts	78 contacts	+ 56%

- **Version : Right angle socket (female)**
- **Lay-outs**
  - 15 ways – ex ICD15S13E6GV00LF
  - 26 ways – ex ICD26S13E6GV00LF
  - 44 ways – ex ICD44S13E6GV00LF
  - 62 ways – ex ICD62S13E6GV00LF (Pls consult us)
  - 78 ways – ex ICD78S13E6GV00LF (Pls consult us)
- **Available accessories**
  - Female screw locks and female insert with harpoon for electrical continuity.
- **Plating performances**
  - 200 cycles or 500 cycles