



**COMMUNICATIONS, DATA,
CONSUMER DIVISION**



**Connectors
for Consumer Applications**



ABOUT FCI

Created in 1989, FCI - an Areva Group company - rapidly secured its place among the world's top three manufacturers of connectors and interconnect systems. With a turnover of 1.29 billion Euros in 2004, FCI currently operates in 30 countries where it covers the following markets: communications, data, consumer, industrial, automotive and electrical power interconnect. The company employs around 13,000 staff worldwide.

For more information: www.fciconnect.com





FCI CONNECTORS

HOW TO USE THIS GUIDE

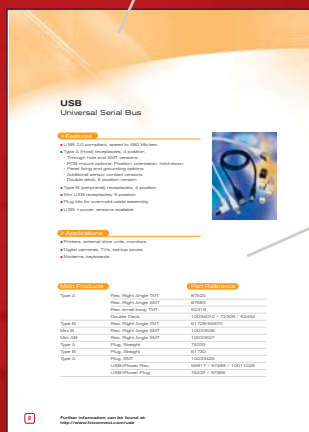
Welcome to the Connector selector guide for consumer application. This guide will help you to choose the right product for the type of connection you are looking for.

Here you will find an overview of each of our major product lines dedicated to consumer applications together with a list of some of the most popular parts within that connector family. Using those part references, you can go directly to FCI's home page on the internet, enter the part number and see full data sheets and drawings for that part. We also indicate the link to the landing page in our interactive catalog where you can obtain more information for these and other part numbers within each family.

Select the type of connection p4 & 5



Check the different proposed pages



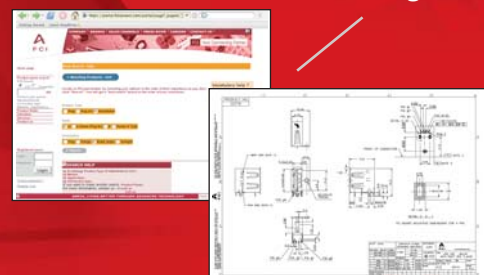
Enter the part reference in FCI web site

Or go directly to the landing page

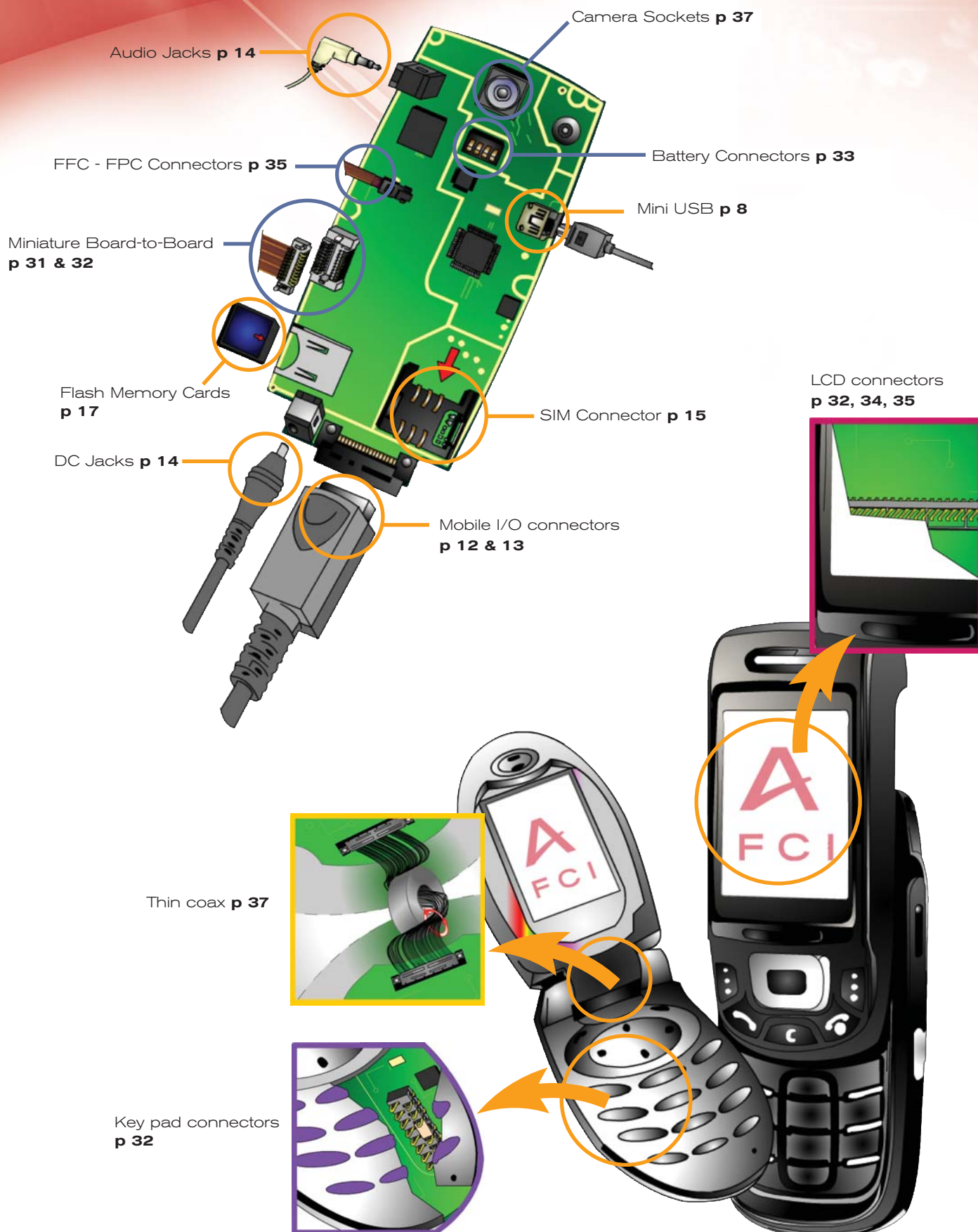
[www.fciconnect.com]



View data sheet and drawings online



CONNECTION TYPE SELECTOR

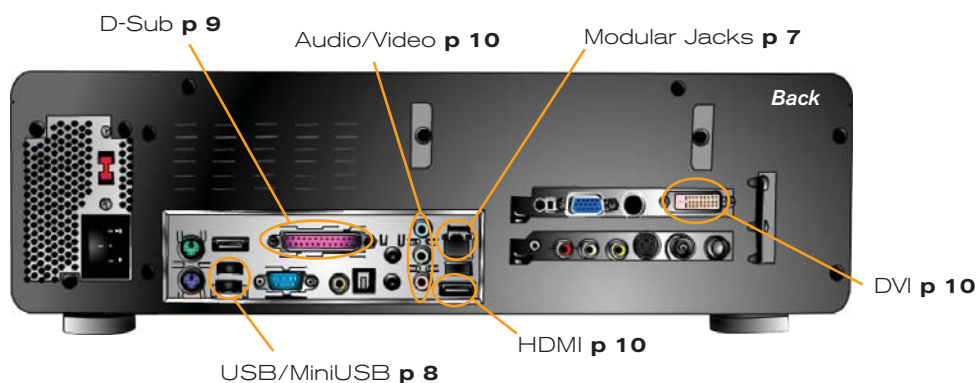
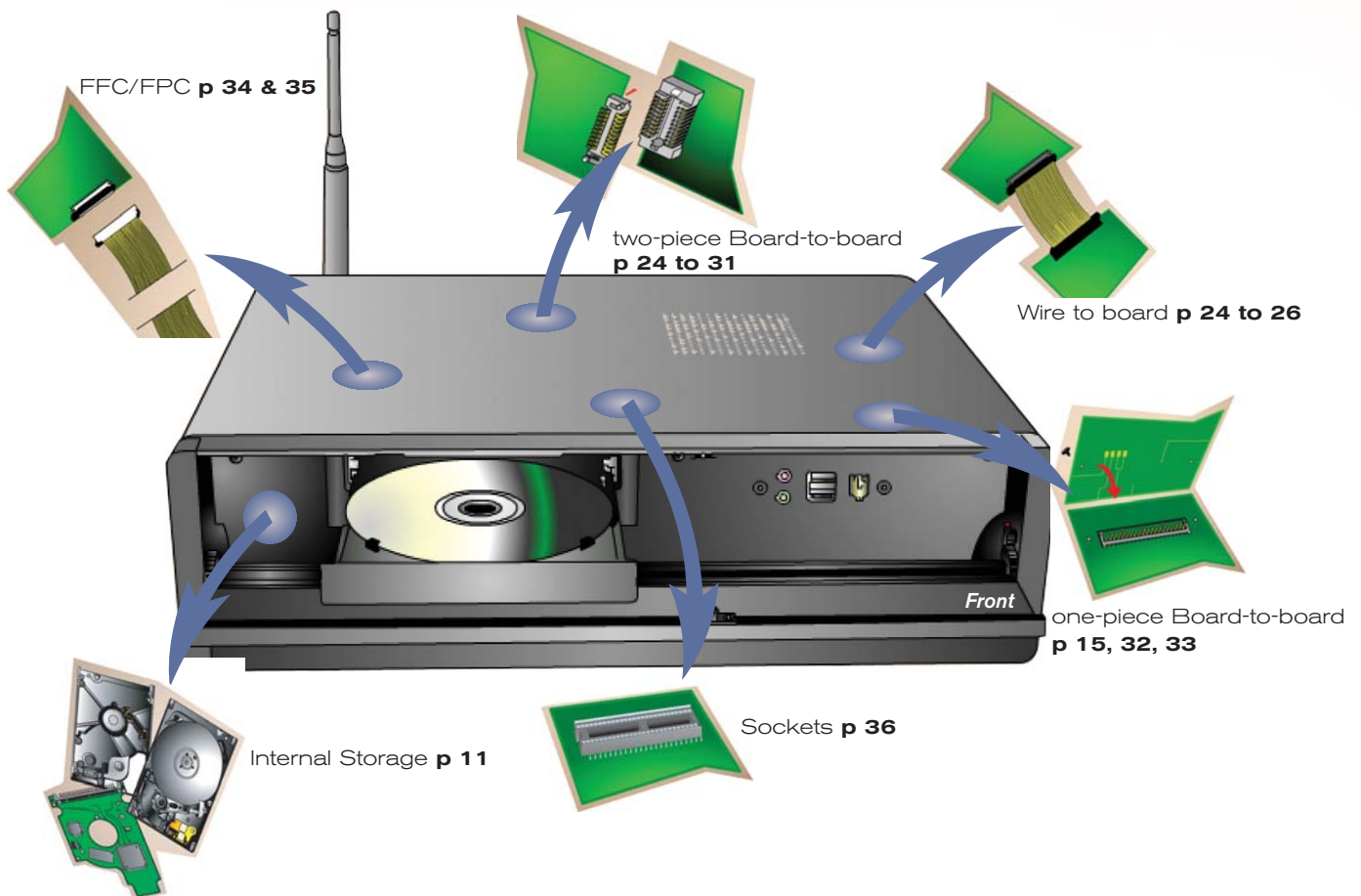


CONNECTION TYPE SELECTOR



Card systems

- SD/MMC p 17
- MiniSD p 17
- Compact flash p 17
- PC card p 18 & 19
- Express card p 20 & 21
- Smart card p 15 & 16
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Modular Jacks

> Features

- Right Angle or Straight
- Through mount or SMT
- Cat3, Cat5 performance category
- 4, 6, 8 positions, fully or selectively loaded
- Single to Stacked Multi-ports
- Shielded or non-shielded
- Magnetic option, with and without LEDs
- Flanged or flangeless versions
- Inverted latch options
- Standard, raised or low profile versions
- Snap or diamond pegs options
- RoHS compliant



> Applications

- Modems, Fax machines, Phone line security systems, Telephones, Set-top boxes, Multimedia systems

Main Products

Part Reference

Single Port Cat3		Positions	Pegs			
Right Angle	SMT	4 positions	73306/73327			
		6 positions	73305/73326/73334			
		8 positions	73304/73325/73333			
	Through mount	4,6,8 positions - Low profile	87180			
		4 positions - Standard profile	Snap	88400		
			Diamond	68897		
		6 positions - Standard profile	Snap	88400		
			Diamond	68898		
			8 positions	Diamond	68899	
Straight	SMT	4 positions	98431			
		6 positions	98432			
		8 positions / Shielded	98435 / 98320			
	Through mount	4 positions	Snap	90511		
			Diamond	69253		
		6 positions	Snap	90512		
			Diamond	69254		
			8 positions / Shielded	Diamond	69255 / 91139	
		Multiport Cat3				
Right Angle Through mount	8 positions shielded	1xN:10021244 2xN:10021246				
Single Port Cat5						
Right Angle Through mount	8 positions shielded	10034931				
Multiport Cat5						
Right Angle Through mount	8 positions shielded	N	1xN	2xN		
		2 ports	10034932	10034934		
		4 ports	10034933	10034935		
		6 ports	10035263	10035265		
		8 ports	10035264	10035266		

Further information can be found at:
<http://www.fciconnect.com/modjacks>

USB

Universal Serial Bus

> Features

- USB 2.0 compliant, speed to 480 Mb/sec
- Type A (Host) receptacles, 4 position
 - Through hole and SMT versions
 - PCB mount options: Position, orientation, hold-down.
 - Panel fixing and grounding options
 - Additional sensor contact versions
 - Double deck, 8 position version
- Type B (peripheral) receptacles, 4 position
- Mini USB receptacles, 5 position
- Plug kits for overmold cable assembly
- USB + power versions available
- RoHS compliant



> Applications

- Printers, external drive units, monitors
- Digital cameras, TV's, set-top boxes
- Modems, keyboards

Main Products

Part Reference

Type A	Rec. Right Angle TMT	87520
	Rec. Right Angle SMT	87583
	Rec. small body TMT	52319
	Double Deck.	10034010 / 72309 / 52454
Type B	Rec. Right Angle TMT	61729/55670
Mini B	Rec. Right Angle SMT	10033526
Mini AB	Rec. Right Angle SMT	10033527
Type A	Plug, Straight	74033
Type B	Plug, Straight	61730
Type A	Plug, SMT	10033425
	USB+Power Rec.	55917 / 57489 / 10011029
	USB+Power Plug	74233 / 57496

D-Subminiature

> Features

- Robust and proven design
- Cost competitive
- Complies to industry standards
- RoHS compliant

> Applications

- Set-top boxes
- Home multimedia centers
- Monitors, LCD, Plasma TV's



Main Products

Part Reference

Contacts	Gender	Mounting accessory	
9	socket	Female screw lock UNC 4-40	ID09S33E4GV00
		Insert M3	ID09S33E4GL00
		Insert UNC 4-40	ID09S33E4GX00
	Pin	Female screw lock UNC 4-40	ID09P33E4GV00
		Insert M3	ID09P33E4GL00
		Insert UNC 4-40	ID09P33E4GX00
15	Socket	Female screw lock UNC 4-40	ID15S33E4GV00
		Insert M3	ID15S33E4GL00
		Insert UNC 4-40	ID15S33E4GX00
	Pin	Female screw lock UNC 4-40	ID15P33E4GV00
		Insert M3	ID15P33E4GL00
		Insert UNC 4-40	ID15P33E4GX00
25	Socket	Female screw lock UNC 4-40	ID25S33E4GV00
		Insert M3	ID25S33E4GL00
		Insert UNC 4-40	ID25S33E4GX00
	Pin	Female screw lock UNC 4-40	ID25P33E4GV00
		Insert M3	ID25P33E4GL00
		Insert UNC 4-40	ID25P33E4GX00

Further information can be found at:
<http://www.fciconnect.com/dsub>

AUDIO/VIDEO I/O

> Applications

- Plasma Displays & TVs
- LCD Display & TVs
- Set-top boxes
- DVD Players/Recorders
- Audio/Video Receivers
- D-VHS Players
- High-Definition Monitors

DVI

Digital Visual Interface

> Features

- Compliant to DDWG DVI Standard
- Shielded robust I/O
 - PCB mount receptacle
 - Cable plug connector
- DVI-D, Digital version, 24 pins
- DVI-I, Combined digital / analog version, 29 pins



Main Products

Receptacle

Right Angle through mount

Part Reference

10030970

10025074

10025246

HDMI

High Definition Multimedia Interface

> Features

- Type A receptacle with 19 positions. Meets HDMI spec1.1
- Metal shield for better EMI
- Speed to 5Gbps uncompressed single transmit rate.
- Backward compatible with DVI
- SMT with a panel-mount flange or without panel-mount flange option.
- Low impedance mismatch
- RoHS compliant, 30u" Au plating in contact area, 100u" pure tin plating in solder tail
- Simple & flexible design



Main Products

Type A

Receptacle SMT without flange

Receptacle SMT with flange

Part Reference

10029449-001LF

10029449-002LF

SATA

Serial ATA I/O

> Features

- High density serial data transmission at 1.5 to 3.0 Gb/sec.
- Compliant with SATA 1.0a standard
- Signal and power combined device I/O
- 2 differential pairs signal (7 pins)
- 3 different voltage levels power (15 pins)
- Signal plugs for internal cable connection
- Combined signal / power receptacle for direct device plug-up
- Guide pegs for blind mate
- First-Make-Last-Break for hot plugging capability
- Through hole and SMT versions
- Solder hold-down / harpoon options
- RoHS compliant



> Applications

- Next generation disk-drive connection
- Equipment using an internal disk drive unit
- Video equipment, set-top boxes, HDTV

Main Products

Drive Device Plug		Contact FCI for customization
Signal Plug, 7 pos. (2 pair)	Right Angle, SMT	59335
	Straight though mount	59333 / 10028860
	Straight SMT	59334
Signal Plug, 7 pos. 4 wall	Vertical T/H	10035690
	Vertical SMT	10035691
Signal Plug, 7 pos. 3 wall	Right Angle SMT	10035692
Device Header	Straddle Mount SMTIL	10035541
	R/A SMTIL (Tail Gate)	10039651
	R/A SMTIL (4 wall Latch Feature)	10052369
Host Receptacles:	Vertical SMT	10029065
	Vertical T/H	10017660
	Vertical P/F	10022676
	Vertical (Cable Solder Tab)	10043820
	Right Angle SMT	10029364
	Right Angle SMT	10031659
	Right Angle SMT	10034814

Part Reference

Mobile I/O Sliding

> Features

- Blade on beam contact technology
- Optional charger contact configuration
- Shielded receptacle for a better EMC & EMS performance
- SMT solder with a good coplanarity
- Available in 18, 22 and 24 positions
- Polarized docking station configuration available in 34 positions
- RoHS compliant



> Applications

- Mobile phones
- PDA, Smart phones



Main Products

Part Reference

Key Position Type	I/O Positions	Plug	Receptacle
	18		10018308 10045017: 1+18+2 charger
I	22	10032078 10032075	10032073: 2+22+1 charger 10032074: 1+22+1 charger
II	22	10032072 10036313	10031377
I	24	10030646 10032076 10032070	10032079 10032077: 2+24+2 charger 10030918: 1+24+2 charger
II	24	10035701	10030645
Docking connector	34	10016521	10016514

Mobile I/O Compression

> Features

- 0,8 mm pitch I/O system
- High reliability and durability performance with compression contact technology
- High temperature plastic compatible with wave soldering or IR process
- Easy pick up and place
- SMT solder with good coplanarity
- Shielded receptacle for a better EMC and EMS performance
- RoHS compliant



> Applications

- Mobile phones
- PDA, Smart phones

Main Products

Part Reference

Applications	Product Title	
In-Phone	19 Pos. Receptable	
	19 Pos. Receptable	54040
	5 Pos. Recpetable	
Data Plug Kit	19 Pos. Data Terminal Block With PCB	54044
Desktop Charger	16 Pos. Desktop Terminal Block	54059
Hand-Free Kit	19 Pos. Desktop Terminal Block	54059
Cigar Lighter Charger Travel Charger	5 Pos. Data Terminal Block With PCB	54044

JACKS

> Applications

- Plasma Displays & TVs
- LCD Display & TVs
- Set-top boxes
- DVD Players/Recorders
- Audio/Video Receivers
- D-VHS Players
- High-Definition Monitors
- Mobile phone

DC and Audio Jacks

> Features

- High reliability and durability performance with two rings structure
- Dip type to ensure stability during mating and unmating
- Compact design for space saving
- RoHS compliant



Main Products

DC power jack
3.5 mm audio jack

Part Reference

61783
10038075

RCA Jacks

> Features

- Reliable and proven design
- Complies to industry standards
- Cost competitive
- Many configurations available upon request



Main Products

6 ports RCA jacks, Right Angle Through Mount
2 x yellow / red / white

Part Reference

10057291

SIM Connectors

> Features

- Various heights available
- All directions insertion option
- Sliding with and without stopper configuration available
- Switched versions available
- RoHS compliant



> Applications

- Mobile phone, smart phones
- Set-top boxes
- DECT phones

Main Products

Part Reference

Number of contacts	Soldering	Height	Card insertion	Switch	Guiding	
6	SMT	1,2	2 directions	no	no	10033985
		1,5	2 directions	no	no	10027621
		2,0	2 directions	no	no	10027622
		2,5	All directions	no	no	10040573
		2,5	2 directions	no	yes	10026115
		3,7	1 direction	yes	yes	7111S1615A02
8	SMT	1,5	2 directions	yes	no	7311S0725A02
		1,5	2 directions	no	no	7311S0625X01
		4,5	2 directions	yes	no	7312S0725A02
	TMT	1,5	2 directions	yes	no	7331S0725A01

Smart Card Connectors

> Features

- Through mount, SMT or Flex mounted
- Sliding or landing contact technology
- Durability: From 10 000 to 500 000 cycles
- Vandalism-proof designs
- Suitable for friendly, harsh, portable or automotive environments
- EMV, NDS approved
- Blade or sealed switch available
- 8 or 16 data contacts available
- Customization available upon request
- RoHS compliant



> Applications

- Analog or digital set-top boxes
- Internet decoder
- Home multimedia center
- E-purse

Main Products

Product	Number of cycles	Card size		Soldering		Contact technology		Switch type	
		Full	Through mount	SMT		Sliding	Landing	Blade	Sealed
F series	500k	●	●				●		●
E series	200k	●	● + Flex	●			●		●
V series	12k	●		●		●	●		●
L series	100k	●	●			●		●	●
L26 series	30-100k	●	●			●		●	
Z series	30-100k	●	● + Flex			●		●	
C series	100k	●	●			●			
P series	100k	●		●		●		●	

Flash Memory Cards

> Features

FCI offers a wide range of connectors suitable for:

- CompactFlash: Headers and card kits, wireless options
- Secure Digital: Headers, push-push, normal type
- Multi-Media Card: Headers, push-push, normal type
- Mini Secure Digital: Headers
- T-Flash : push-push Headers
- 5 in 1 : SD,MMC, xD, MS, SM, Normal type header
- RoHS compliant

> Applications

- PDA's
- Set-top boxes
- MP3 players
- Mobile phones
- Digital cameras
- DVD players
- High-end TVs
- Hand-held devices utilizing socketed flash memory

Main Products

Part Reference

SD Card Header, Push-Push Type	10022711
	10033295
	10042841
SD Card Header, Manual Type	10026206
miniSD™ Card Header	10034050
Compact Flash	
Header	10017963
	10017964
	10038393
Ejector (right)	10044080
Ejector (left)	10044081
Ejector (push)	10017964
Compact Flash Card Kit	
Receptacle (50 positions)	10014748
	10031303
Top shield	10022679
Bottom shield	10022680
T-Flash Header, Push-Push type	10056619
Combo 5 in 1	10058350
SD, MMC, xD, MS, SM	



**CompactFlash (CF)
Card Kit and Headers**



Combo 5 in 1



SD Card Headers



T-Flash



miniSD™ Card Headers

PC Card Headers



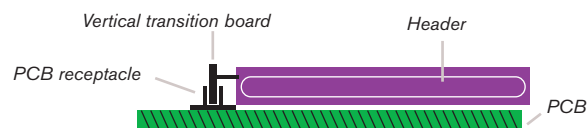
> Features

- Conform to PCMCIA and CardBus standards
- CardBus PC Cards can meet high signal transmission requiring bandwidth (32 bits) and clock rate (33 MHz)
- Suitable for type I, II, III, 3.3 and 5V Standard and CardBus PC Cards
- Various stand-off options available
- Single and double deck
- Eject and non eject mechanism available
- Through Mount, SMT In-Line, SMT Staggered, Flex or patented SMT Vertical Transition Board versions available
- Optional EMI metal shield cover (CardBus)
- RoHS compliant



> Applications

- Set-top boxes, digital TV, home entertainment devices, PVR



The Header is connected via a vertical transition PCB that plugs into an SMT receptacle previously soldered on the main board

Main Products

Part Reference

Type	Voltage	Deck	Mounting Style	Card guidance	Ejector	Stand off	
CardBus	3,3	Single	VTB*	Yes	Yes	0-5mm	71209
	3,3	Single	VTB*	Yes	2-steps	0-5mm	74054
PCMCIA	3,3	Double	VTB*	Yes	Yes	0-5mm	61124
	3,3	Single	VTB*	Yes	None	0-5mm	74423
	3,3	Single	TMT / SMT	Yes	None	0-5mm	84648
	3,3	Single	TMT / SMT	No	None	0-5mm	94898
PCMCIA	5,0	Double	VTB*	Yes	Yes	0-5mm	95562
	5,0	Single	TMT / SMT	Yes	Yes	0-5mm	74443
	5,0	Single	TMT / SMT	No	None	0-5mm	92140
	5,0	Single	TMT / SMT	Yes	Yes	0-5mm	92193
	5,0	Single	TMT / SMT	Yes	Yes	0-5mm	95620

* VTB : Vertical Transition Board see illustration

ROCard™ and Wireless ROCard™ PC Card Kit

> Features

- Hermaphroditic stainless steel material with (matt) surface finish
- Conform to CardBus and PCMCIA standards
- Snap fit design allows easy assembly and low applied cost (no welding or adhesive)
- Optional label recess & insulator
- Variable I/O configurations (4pos, 15 pos) available
- Standard and customized antenna covers for wireless application
- 0, 0.3, 0.6 mm or custom PCB offset for receptacle connector
- 3.3 or 5V keyed
- Compliance to PC Card standard torque and bend tests
- Extreme ruggedness
- Easy pre-positioning of shields and simple parallel closing movement
- Suitable for manual, semi-automated or automated assembly
- RoHS compliant



> Applications

- Set-top boxes, digital TV, home entertainment devices
- Digital cameras and printers

Main Products

Part Reference

PCMCIA card shield	57924 / 83818 / 83808
CardBus card shield	10017657
68 position SMT receptacle - CardBus	10014747
68 position SMT receptacle - PCMCIA	10014744
Bottom antenna cover (1)	53534
Top antenna cover (1)	53537

(1): Please consult your FCI rep for customizations and availability

ExpressCard™ System

ExpressCard Module Card Kit

> Features

- Meet high-speed electrical requirements as outlined in ExpressCard™ Standard
- Simple beam-on-blade contact interface is rated for up to 10,000 cycles
- Single-row, in-line solder tail configuration for easy soldering
- Longer power and ground contacts on the module connector provide first-mate and last-disconnect in relation to signal contacts.
- Snap-together module design enables card assembly without requiring the use of adhesives or ultrasonic equipment
- Modules provide EMI/ESD contact areas, notches to facilitate optional security lock, and a finger grip ridge for manual module removal
- ExpressCard™ technology will replace PC Card and CardBus technology in desktop and notebook PCs
- RoHS compliant



> Applications

- Multimedia - TV tuners, PVR
- Adapters - Consumer memory cards
- Set-top boxes

Main Products

Part Reference

ExpressCard 34/54 Module Card Kit Connector	10030570
ExpressCard 34 Module Card Kit Top Shield	10030573
ExpressCard 34 Module Card Kit Bottom Shield	10030574
ExpressCard 54 Module Card Kit Top Shield	10030581
ExpressCard 54 Module Card Kit Bottom Shield	10030582

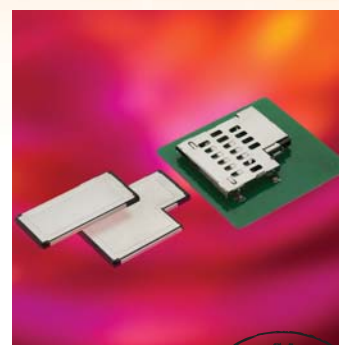
Note: ExpressCard™ is a registered trademark of PCMCIA

ExpressCard™ System

ExpressCard Host System

> Features

- Meet high-speed electrical requirements as outlined in ExpressCard™ Standard
- Simple beam-on-blade contact interface is rated for up to 5,000 cycles
- Single-row, in-line solder tail configuration for easy soldering
- Longer power and ground contacts on the corresponding module connector provide first-mate and last-disconnect in relation to signal contacts.
- Available with either card push or push rod ejection mechanism and with various standoff heights
- ExpressCard™ technology will replace PC Card and CardBus technology in desktop and notebook PCs
- RoHS compliant



> Applications

- Set-top boxes, digital TV, home entertainment devices

Main Products

Part Reference

2.2mm standoff Host Connector	10056265
0.0mm standoff Host Connector	10030584
Universal (54mm) Host System, Card Push for 2.2mm Host connector	10038774

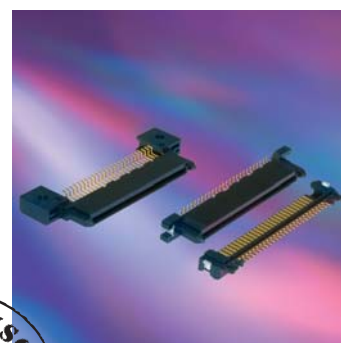
Note: ExpressCard™ is a registered trademark of PCMCIA

iVDR connector kit

Information Versatile Disk for Removable usage

> Features

- Complies to iVDR standardization committee specification
- Right Angle configuration available, vertical under preparation
- Card and host side available
- RoHS compliant



> Applications

- Consumer electronics goods using removable memory such as PVRs, HDD - DVDs, set-top boxes

Main Products

iVDR	26 positions plug (card side)
iVDR	26 positions (Right Angle) receptacle (PCB side)

Part Reference

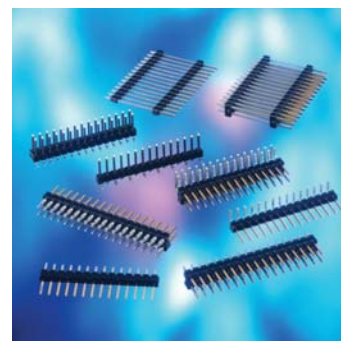
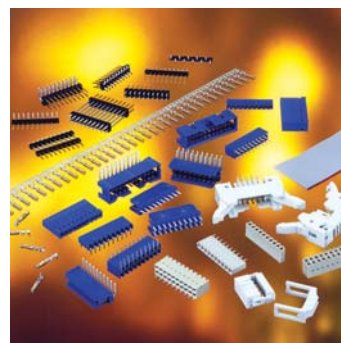
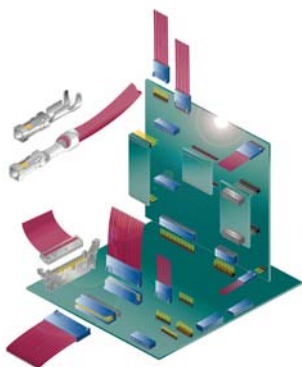
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Notes

BergStik® / Dubox™ / Quickie® 2.54 mm Modular System

> Features

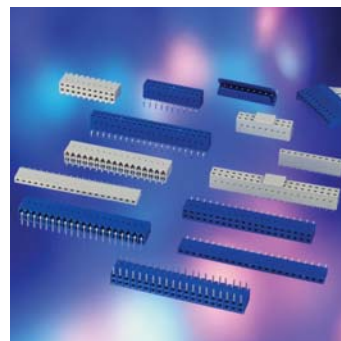
- Versatile 2.54 mm modular system includes board-to-board, wire-to-board and flat cable interconnects, offering complete design flexibility
- Range: 1x2 to 2x36 positions
- Selective plating is reliable and economical
- Easy part number selection at FCI Basics+ web site
- Bergstik unshrouded headers available in custom configurations
- RoHS compliant



BergStik®

> Applications

- Electronic equipment or devices requiring a parallel, planar or perpendicular board-to-board, wire-to-board or flat cable interconnects



Dubox™

For extensive part number selection at FCI Web site, go to Alphabetical list Search and select "BergStik" or "Dubox" or "Quickie":
<http://www.fciconnect.com/bergstik>
<http://www.fciconnect.com/dubox>
<http://www.fciconnect.com/quickie>

Main Products

Part Reference

BergStik® Unshrouded Headers

Straight	77311 / 77313 / 95293 / 95278 / 98401 / 67997 / 68000
Right Angle	77315 / 77317 / 68015 / 68020
Stacking	54111 / 54121 / 54112 / 54122 / 54242

Dubox™ Shrouded Headers

Straight	76384 / 76385
Right Angle	76382 / 76383

Dubox™ PCB-Mounted Receptacles

Vertical	76341 / 76342 / 71991 / 91601 / 89898
Horizontal	71607 / 71609 / 89882 / 89883

Crimp-to-Wire Receptacles

Dubox™ contacts	76347 / 76357
Dubox™ housings	65239 / 65240
PV® contacts	48048 / 48049 / 48235 / 48236 / 47217
PV® housings	65039 / 65043 / 65846 / 78211

Quickie® IDC System

IDC receptacles	71600 / 69830 / 66900
Eject latch headers	71918 / 71922 / 65823 / 65863 / 66429 / 88880
Low profile headers	75867 / 75869 / 66506 / 69064

Shunts

68786 / 71363 / 65474 / 65771 / 93987

Minitek™

2 mm Modular System

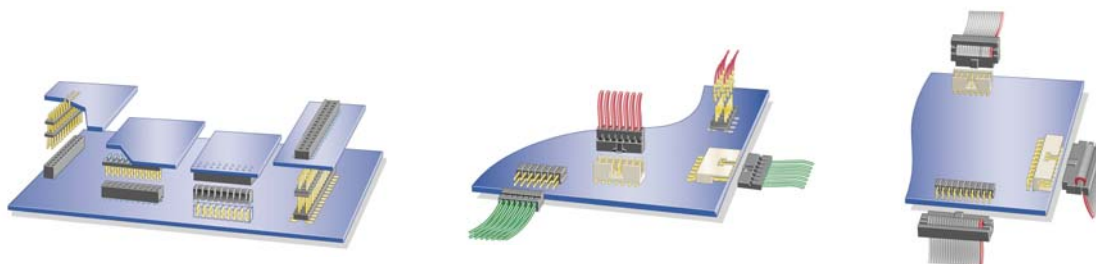


> Features

- Versatile 2 mm modular system includes board-to-board, wire-to-board and flat cable interconnects, offering complete design flexibility
- Up to 38% space saving compared to 2.54 mm pitch
- Range: 2x2 to 2x25 positions
- Early point-of-contact on low profile receptacles enhances reliability
- Selective plating is reliable and economical
- Easy part number selection at FCI Basics+ web site
- RoHS compliant

> Applications

- Electronic equipment or devices requiring a parallel or perpendicular board-to-board, wire-to-board or flat cable interconnects



Main Products

Unshrouded Headers
 Shrouded Headers
 Stacking Headers
 PCB receptacles (4.5 and 2.3mm)
 IDC receptacles
 CTW housings
 CTW contacts
 Shunts

Part Reference

57102 / 57202 / 98423 / 58102
 98414 / 98424 / 98464 / 91269 / 95000
 59112 / 59132 / 59202
 55510 / 55508 / 91596 / 63453
 89361 / 89947
 69307 / 90311 / 69305
 77138 / 77139
 86730

Rib-Cage™

High Density .050" Pitch Connector System

> Features

- Exclusive Rib-Cage™ multi-point receptacle contacts provide optimal reliability in high vibration and shock-prone applications.
- High density 1.27mm (.050 in.) x 1.27mm (.050 in.) system for connecting parallel PCBs
- Multiple stack height options
- Polarization option prevents mis-mating
- Surface mount and through-hole attachment options
- RoHS compliant



> Applications

- Set-top boxes
- Multimedia system

Main Products

Headers

Vertical Surface Mount

Vertical Through Hole

Right Angle Through Hole

Receptacles

Vertical, Surface Mount

Vertical, Through Hole

Part Reference

87401 / 87409 / 90098 /
91036 / 93289

72449 / 87407 / 87434 /
87850

87402

73542 / 87021 / 87022 /
87023 / 87024 / 91407

87011 / 87012

PHEC

> Features

- 1.27 mm spacing
- 30 to 120 positions available
- Termination : solder & SMT (receptacle only)
- 1.3 mm allowed mis-alignment
- Multi pieces on the board
- Housing design robustness
- Closed bottom prevents flux from moving up
- Low insertion force and high hertz stress
- Wiping length : 2.4 mm
- RoHS compliant



> Applications

- TV, LCD, PVR, DVD and CD players, Set-top boxes

Main Products

Straight Plug

Right Angle Plug

Straight Receptacle

Right Angle Receptacle

Part Reference

PHECxxP-S

PHECxxP-R

PHECxxR-S

PHECxxR-R

Conan® 1.0 mm and BergStak® 0.8 mm High Density, Board-Stacking Connectors



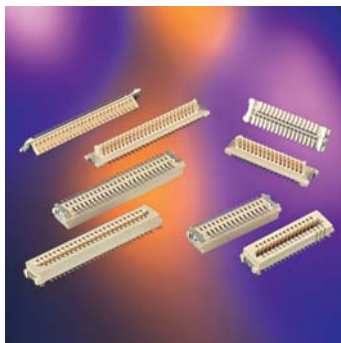
BergStak® 0.8 mm system

> Features

- Parallel board-to-board interconnects
- Surface mount
- Blade-on-beam contacts allow "peeling" and prevent "stutting"
- BergStak® 0.8 mm pitch connectors offer 5 mm-16 mm stack heights and 40-200 contacts (in increments of 20)
- Conan® 1.0 mm pitch connectors offer 4.15 mm-7 mm stack heights with options for 9, 11, 15, 21, 25, 31, 41, 51 or 69 contacts. Snap together for sure mating
- Reliable & economic selective plating
- Tape & reel or tube packing (with or without cap)
- RoHS compliant

> Applications

- Mobile phones, PDA's, Pagers
- Digital cameras, scanners
- Mobile, personal and high end computing



Conan® 1.0 mm system

Main Products

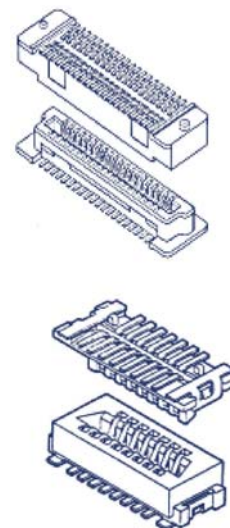
BergStak® system

Receptacle	61082
Header	61083

Conan® system

Receptacle	91921 / 91931
Header	91901 / 91911

Part Reference



Floating Board-to-Board

> Features

- BTFN (1.25 mm pitch), BTFW (1.0 mm), BTFE (0.635 mm)
- Surface mount and Through mount versions
- Straight and Right Angle versions
- Reliable mechanical performance due to wide floating allowance (in pitch, width and Z direction)
- Easy handling due to rigid guiding design
- RoHS compliant



> Applications

- CD and MD players, chargers, VCRs, DVD and CD players, Set-top boxes, Satellite tuners
- CCD and CRT TVs

Main Products

Series

BTFN 1.25 mm

Plug	Right Angle, TMT	BTFN
	Right Angle, TMT & Mounting latch	BTFN
Receptacle	Straight, TMT	BTFN
	Straight, SMT	BTFN

BTFW 1.00 mm

Plug	Straight, SMT	BTFW
Receptacle	Right Angle, TMT	BTFW
	Right Angle, SMT	BTFW

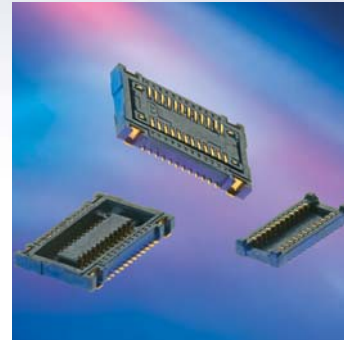
BTFE 0.635 mm

Plug	Right Angle TMT	10018704
Receptacle	Right Angle TMT	10018710

Miniature Board-to-Board

> Features

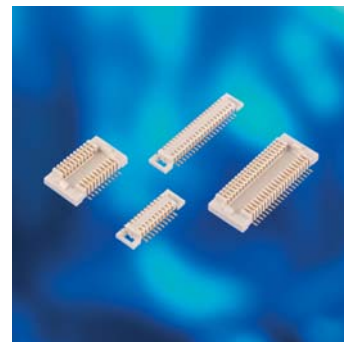
- 2 pieces board to board system
- 0.95 and 1.5 mm stacking height
- 0.4 and 0.5 mm pitch, dual row
- Small PCB outline dimensions
- RoHS compliant



0.4 mm

> Applications

- Mobile Phones, PDA, Smart Phones, Digital Cameras, PVRs
- Parallel board to board configuration



0.5 mm

Main Products

0.5 mm

Header	16 positions
Receptacle	16 positions

Part Reference

10044596
10044593

0.4 mm

Header	24/40 positions
Receptacle	24/40 positions

10058320
10058321

Compression connectors

One-piece board to board

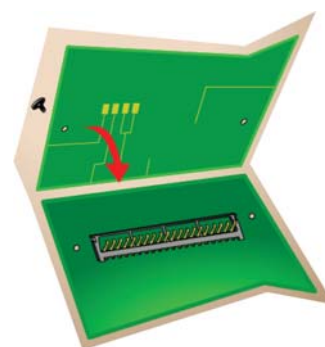
> Features

FCI provides a wide range of SMT miniature compression connectors. With different pitches, stacking heights and number of contacts, the one-piece board-to-board connector range from FCI will cover most of your needs.

- RoHS compliant

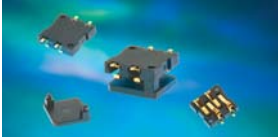
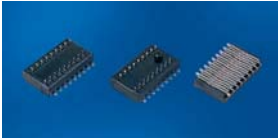
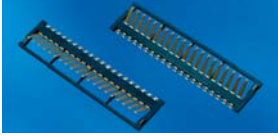
> Applications

- Mobile Phones, PDA, Smart Phones : LCD and keypad
- Digital Camera, PVR
- Applications involving spin motor : HDD, DVD, CD-drives



Main Products

Part Reference

Pix	Height (mm)	Pitch (mm)	Number of contacts	
	2.38	1.1	4	10044351
	1.00	1.1	4	10038772
	1.5	1.2 staggered	4	10032069
	2.65	0.625 staggered	8;18 - 22	55527
				10014599
				10035434
	2.1	1.8 staggered	12 ; 14	10044398
	0.6	1.4	20	10041423

Battery Connectors

> Features

- Horizontal configuration
- Pitches from 2,5 to 3,5 mm
- Using spring contacts or spring loaded contacts
- 2 to 6 contacts available
- RoHS compliant



> Applications

- Mobile Phone : battery and antenna connections
- Board to board connections : Right Angle
- PDA, Smart Phones
- Digital cameras, PVRs

Main Products

Part Reference

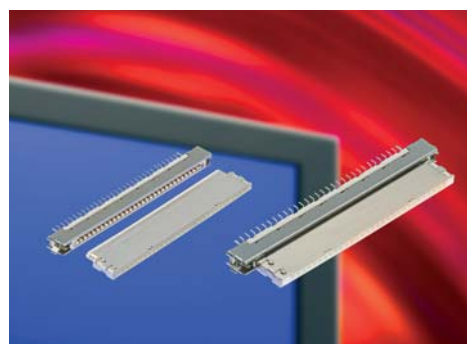
	Pitch (mm)	Positions	
Spring contacts	2,5	4	10008317
			10018318
	3		10030054
			10007118
	Pitch (mm)	Positions	
Spring loaded contacts	2,5	4	10033640
	3,5	4	10035544
	3.0	6	10025282

LVDS Connectors

Low Voltage Differential Signaling Connector

> Features

- On-board or Offset receptacle
- Locking or non-locking plugs
- RoHS compliant



> Applications

- 17" or larger LCD screens

Main Products

Plug Terminals

Locking Plug

Unlocking Plug

On Board Receptacle

Offset Receptacle

Part Reference

10040572

10040571

10050869

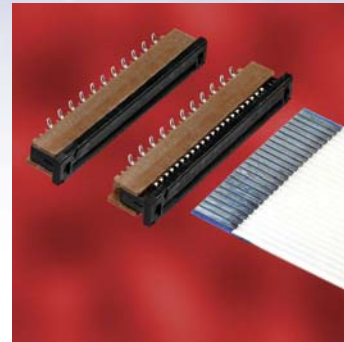
10041195

10039767

FFC - FPC connectors

> Features

- Suitable for FFC / FPC / CIC cable
- 0.30 - 0.50 - 1.00 - 1,25 mm pitch sizes
- Highly reliable Gas Tight High pressure (GTH) contact system
- Zero Insertion Force (ZIF) and Low Insertion Force (LIF) options
- Straight and Right Angle versions
- Surface Mount and Through Hole
- Upper or lower contacts options (Right Angle)
- RoHS compliant



> Applications

- LC Display to Board connections
- Interior Automotive electronics
- Membrane Switches
- DVD / HDD connection

Main Products

Part Référence

Pitch (mm)	Mating	Soldering	Orientation	
0.30	ZIF/LIF SMT	SMT	Right Angle	62789
				10013057
				10017251
0.50	ZIF	SMT	Straight	62674
				59453
				SFVxxR
			Right Angle	62684
				10014265
0.80	LIF	SMT	Right Angle	HFRxxR
			Right Angle	SFRxxR
	LIF	SMT	Right Angle	HFVxxR
			Straight	HFVxxS
		TMT	Right Angle	HLVxxR
			Straight	HLVxxS
		SMT	Right Angle	SFVxxR
			Straight	SFVxxS
	ZIF	TMT	Right Angle	SLVxxR
			Straight	SLVxxS
1.25	LIF	TMT	Right Angle	HLEMxxR
			Straight	HLEMxxS
	ZIF	SMT	Right Angle	SFDxxR

SOCKETS

> Applications

- Almost every consumer appliance is using sockets. Different form factors are available at FCI, all RoHS compliant.

DILB Sockets

> Features

- 2.54 mm grid
- Open Frame
- 8 through 42 contacts
- Hi-Rel multi-finger contacts
- No solder wicking or flux intrusion
- End-to-End and Side-to-Side stackable

SOJ Sockets

> Features

- Available in 28, 32, 40 and 42 pin versions
- Design incorporates a central pick-and-place tab
- All solder joints are 100 % inspectable
- Work with a standard PLCC extraction tool
- Same footprint as the device they socket

PLCC Sockets

> Features

- Available in surface-mount and through mount configurations.
- 20 to 84 contacts
- Low-profile design minimizes overall height
- Polarization pegs available in the surface-mount connector ensure proper positioning of socket to PC board
- Inspection windows in surface-mount configuration allow for inspection of solder joint



Main Products

Dual Inline Rec
SMT SOJ Socket
SMT PLCC
SMT Mini PLCC
TMT PLCC

Part Reference

DILB
52465
69802
56484
54020

INNOVATIVE PRODUCTS

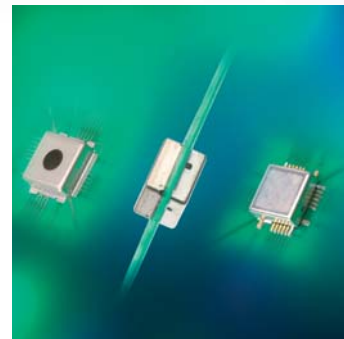
> Applications

- Mobile Phones, PDA, Smart Phones

Camera Sockets

> Features

- Helps to automate assembly process
- Increases system performance
- Reduces total applied costs
- Different pin configurations, pitch and size available



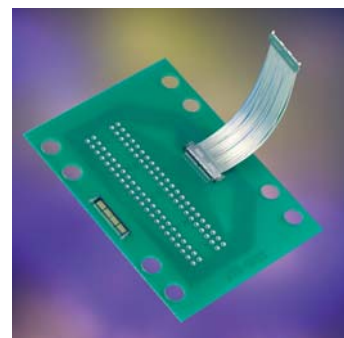
Thin Coax Cable Connectors

> Features

- Verified signal integrity
- Assembles through a 4 mm hinge diameter
- Reduced applied cost
- High cable retention and durability (>200k cycles)
- 0.3 mm pitch



BEST PROVEN
SOLUTION FOR ROTATING APPLICATION



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With manufacturing facilities in over 40 countries and a sales network in over 100, AREVA offers customers technological solutions for highly reliable nuclear power generation and electricity transmission and distribution.

The group also provides interconnect systems to the telecommunications, computer and automotive markets.

These businesses engage AREVA's 70,000 employees in the 21st century's greatest challenges: making energy available to all, protecting the planet, and acting responsibly towards future generations.

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