

Keeping Connections Simple

Automotive

Communications and Data

Industrial

Consumer

Product Portfolio Overview

FCi Basics, the Amphenol PCB interconnect specialist

BASICS

The brand BASICS was established at Amphenol in the early 2000s, when a portfolio of industry leading Wire-to-Board and Board-to-Board connectors was broad together in a global Amphenol business unit. With industry recognized brand names like Dubox®, BergStik®, Quickie®, Minitex® and BergStak®, BASICS has developed itself in a global leader in PCB interconnect.

Today, BASICS offers a broad, modular interconnect platform of high quality and innovative solutions for all main industries and applications. The BASICS portfolio offers the right mix between industry proven solutions and state of the art connector technology.

Our solutions include:

- Wire to Board
- Board to Board
- Input/ Output
- FFC/ FPC
- Hybrid Wire to Board
- Hybrid Board to Board
- Customized Solutions
- Cable Assembly

Whatever you are designing, select BASICS to meet your connection needs

Modular & Flexible Product Range

With millions of configurable options, we have the products to meet your performance and quality requirements for your specific application.

Easy Design-In

Instant online access to all related info, a fast Sample Service, crimped leads and stocked items: it's very easy to complete your design with BASICS!

In Stock

Our global and regional distribution partners are stocking the most popular connectors for your designs, with over 6,000 products ready to ship.

Customized Solutions

Partner with us for your customized connection needs. With advanced engineering and fast prototyping, we provide solution proposals in a week or less.

Wire-to-Board

Product Family	NEW ComboLock®	BergStik®	Dubox®	PV®	Quickie®	Quickie® Receptacle
Pitch	3.00 mm Power / 1.00 mm Signal	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm
Positions	2 to 8 Power 5 to 19 Signal	2 to 72	2 to 72	1 to 72	4 to 64	4 to 64
Current Capacity Ampere	10 for Power 1.5 for Signal	3	3	3	3	1
Dielectric Withstanding Voltage	500	1500	1000	1000	500	IDC Receptacle 1000 DIL PCB 750
Operating Temperature	-40°C to +105°C	-65°C to +125°C	-65°C to +125°C	-40°C to +125°C	-65°C to +105°C	-65°C to +105°C
Wire Gauge (AWG)	20 ~ 18 Power / 30 ~ 24 Signal	-	20 ~ 32	18 ~ 36	-	28 ~ 30
Latching System	Yes	-	-	-	Yes	Yes
Configurations	Vertical, Right-Angle	Unshrouded or Stacking Vertical, Right-Angle Single Row, Double Row	Vertical, Right-Angle Single Row, Double Row	Vertical, Right-Angle Shrouded Single Row, Double Row	Vertical, Right-Angle Shrouded, Double Row	Vertical, Double Row IDC
PCB Terminations	SMT, CTW	THT, SMT, Pin-in-Paste, Press-fit	THT, SMT, CTW	THT, CTW	THT, SMT, PIP	-
Applications	- Data: Server, Storage - Consumer: Care Devices - Industrial: PLC	- Industrial: PLC - Communications: Hub & Router - Lighting: Outdoor	- Industrial: Vending Machines - Communications: Server & Printers - Consumer: Cameras	- Industrial: White Goods - Communications: Desktop & Server - Military: Avionics	- Industrial: Vending Machines - Communications: Desktop & Server	- Industrial: POS - Communications: Server & Printers

Product Family	NEW FlexLock™	Minitek® Board-In	Minitek® Header	Minitek®	Minitek® Blind Mate Interface (BMI)
Pitch	3.20 / 2.54 mm	2.50 / 2.00 mm	2.00 mm	2.00 mm	2.00 mm
Positions	10 to 30	2 to 16	4 to 50	4 to 50	8 & 12
Current Capacity Ampere	3	2 to 3	2	2	2
Dielectric Withstanding Voltage	500	800	500 - 650	650	650
Operating Temperature	-65°C to +105°C	-40°C to +105°C	-40°C to +125°C	-55°C to +125°C	-40°C to +125°C
Wire Gauge (AWG)	-	22 ~ 26	-	22 ~ 30	22 ~ 30
Latching System	Yes	-	Yes	-	-
Configurations	Vertical, Right-Angle Double Row	Vertical, Right-Angle	Vertical, Horizontal Shrouded, Unshrouded Single Row, Double Row	Vertical, Horizontal, Single Row, Double Row IDC, CTW	Vertical
PCB Terminations	SMT, THT	THT	THT, SMT PIP, CTW	THT, SMT, CTW	PIP
Applications	- Automotive: BMS, OBC & MCU	- Communications: Base Station - Consumer: White Goods - Industrial: Motion Control	- Communications: Server - Industrial: PLC - Medical: Monitoring	- Communications: Server - Industrial: PLC - Medical: Monitoring	- Communications: Data Center & Server - Industrial: Amplifier - Medical: Laser System & Resonance

Wire-to-Board

Product Family	WireLock® 	Multipitch® 	MicroSpace™ 	MicroSpaceXS™ Waterproof 	MicroSpaceXS™ 	MicroSpaceXS™ WtW 
Pitch	1.80 mm	1.50 / 1.25 mm	1.80 / 1.50 / 1.27 mm	1.27 mm	1.27 mm	1.27 mm
Positions	10 to 40	2 to 30	2 to 30	2 to 10	2 to 16	2 to 16
Current Capacity Ampere	2	2	4	3	4	4
Dielectric Withstanding Voltage	1000	500	500	500	500	500
Operating Temperature	-40°C to +105°C	-40°C to +105°C	-40°C to +130°C	-40°C to +130°C	-40°C to +130°C	-40°C to +130°C
Wire Gauge (AWG)	22 ~ 26	24 ~ 28	22 ~ 28	22 ~ 24	22 ~ 28	22 ~ 28
Latching System	Yes	Latch + CPA	Latch + CPA	Latch + CPA	Latch + CPA	Latch + CPA
Configurations	Vertical, Right-Angle Double Row	Vertical, Right-Angle Single Row Double Row	Vertical, Right-Angle Single Row, Staggered, Double Row	Right-Angle Double Row Staggered	Vertical, Right-Angle Double Row Staggered	In-line Double Row Staggered
PCB Terminations	SMT, THT	SMT, CTW	SMT	PiP	SMT	CTW
Applications	- Automotive: BMS, Lighting & ADAS	- Data: Home Automation - Industrial: Industrial Control - Consumer: Personal Care Devices	- Automotive: Camera/ Sensor & Cluster/ Navigation - Lighting: Headlight & Interior Lighting	- Automotive: BMS & Cluster/ Navigation - Lighting: Headlight & Interior Lighting	- Automotive: BMS & Cluster/ Navigation - Lighting: Headlight & Interior Lighting	- Automotive: BMS & Navigation - Lighting: Headlight & Interior Lighting

Product Family	Minitek® 	Minitek127® 	Minitek® 	Minitek® 	Minitek® 	Minitek® 
Pitch	1.50 mm	1.27 mm	1.25 mm	1.20 mm	1.00 mm	0.80 mm
Positions	2 to 28	6 to 100	2 to 15	3, 4, 6	2 to 50	2 to 20
Current Capacity Ampere	2	1	1	0.5	1	1
Dielectric Withstanding Voltage	500	500	500	500	500	200
Operating Temperature	-40°C to +125°C	-40°C to +105°C	-40°C to +105°C	-25°C to +85°C	-25°C to +85°C	-25°C to +85°C
Wire Gauge (AWG)	24 ~ 28	30	28 ~ 32	28 ~ 30	28 ~ 32	28 ~ 32
Latching System	Yes	Yes	Yes	-	Yes	-
Configurations	Vertical, Right-Angle Single Row, Double Row	Vertical, Right-Angle Shrouded Double Row IDC	Single Row, Double Row	Right-Angle, Single Row	Vertical, Right-Angle Single Row, Double Row	Vertical, Right-Angle Single Row
PCB Terminations	SMT, CTW	SMT	SMT, PiP, CTW	SMT, CTW	SMT, CTW	SMT, CTW
Applications	- Industrial: Interior Mirror & Telematics - Consumer: LCD TV	- Industrial: Industrial Controls - Communications: Server & Switch	- Industrial: Industrial Controls - Communications: Personal Care Devices	- Industrial: GPS - Consumer: Notebook & Mobile	- Industrial: Servo Motor - Consumer: Portable Device - Medical: Diagnostics Systems	- Industrial: Compact Battery - Consumer: Portable Device - Medical: Diagnostics Systems

Board-to-Board

Product Family	BergStik® Dubox® EconoStik™	Minitek®	ComboStak® and PowerStak®	Minitek127®	Ribcage®	Minitek® MicroSpeed
						
Pitch	2.54 mm	2.00 mm	2.00 mm (Power) 0.80 mm (Signal)	1.27 mm	1.27 mm	1.00 mm
Positions	2 to 72	4 to 50	2 to 10 Power 6 to 140 Signal	6 to 100	10 to 100	26, 32, 44, 56
Current Capacity Ampere	3	2	Power 20 Signal 0.8	1	1	1
Dielectric Withstanding Voltage	1500 - 1000	650	500	500	800	500
Operating Temperature	BergStik®: -65°C to +125°C EconoStik™: -55°C to +105°C Dubox®: -65°C to +125°C	-55°C to +125°C	-40°C to +125°C	-40°C to +105°C	-55°C to +125°C	-55°C to +125°C
Stack Heights	5 mm ~ 60 mm	3.8 mm ~ 20 mm	5 mm ~ 20 mm	2 mm ~ 9 mm	6.42, 8.26, 7.29, 9.94 mm	12 mm
Speed up to	-	-	12 Gb/s	-	-	25 Gb/s
Mating Cycles	200	100	200	100	200	500
Configurations	Vertical, Right-Angle Shrouded, Unshrouded Single Row, Double Row, Stacking	Vertical, Right-Angle, Single Row, Double Row	Vertical	Vertical, Right-Angle, Shrouded, Unshrouded, Double Row	Vertical, Double Row	Vertical, Right-Angle, Combo
PCB Terminations	THT, SMT (Pin-in-Paste, Press-fit only for BergStik®)	THT, SMT, PIP	SMT	SMT, THT	SMT, THT	SMT
Applications	- Communications: Router & Switch - Industrial: PLC	- Communications: Server - Industrial: PLC - Medical: Monitoring	- Data: Data Center - Industrial: Instrumentation - Automotive: Cluster	- Industrial: Measuring Equipment - Lighting: Outdoor - Medical: Wending Machine	- Industrial: Security Systems & POS - Medical: Handheld Test - Military: Communications	- Industrial: Industrial Automation & PLC - Data: Server & Storage

Product Family	Conan®	BTFW Floating	BergStak®Secure	BergStak®	BergStak® Lite
					
Pitch	1.00 mm	1.00 mm	1.00 mm	0.80 mm	0.80 mm
Positions	9 to 69; 11 to 69 for Right Angle plug	10 to 30	3-Row: 111 (3*37) 4-Row: 148 (4*37)	40 to 200	40 to 120
Current Capacity Ampere	1	1	1	0.8	0.5
Dielectric Withstanding Voltage	500	500	500	500	500
Operating Temperature	-55°C to +125°C	-55°C to +105°C	-55°C to +125°C	-40°C to +125°C	-40°C to +125°C
Stack Heights	4.15, 4.5, 5, 6, 7 mm	10.5 mm	3, 4 Row	5 mm ~ 20 mm	5 mm ~ 20 mm
Speed up to	8 Gb/s	-	32 Gb/s	12 Gb/s	12 Gb/s
Mating Cycles	200	100	200	100	50
Configurations	Vertical, Right-Angle	Vertical, Right-Angle, Double Row	Vertical, Right-Angle, Shielded, Unshielded, Multi-Row	Vertical, Double Row	Vertical, Double Row
PCB Terminations	SMT	SMT	SMT	SMT	SMT
Applications	- Industrial: PLC - Data: Server & Storage - Communication: Router & Base Station	- Industrial: Inverter & Motion Control - Automotive: Mirror Camera	- Industrial: Factory Automation - Data: Server & Storage - Communication: BBU	- Industrial: Test & Measurement - Data: Server & Router - Medical: Diagnostic System	- Industrial: POS - Consumer: Drone - Communication: IP Phone

Board-to-Board

Product Family	BergStak HS™	BergStak®Shielded	BergStak+™	BergStak®	BergStak® FX10	BergStak®
						
Pitch	0.80 mm	0.80 mm	0.80 mm	0.635 mm	0.50 mm	0.50 mm
Positions	40 to 140	40 to 140	80, 120	80, 140	144	10 to 80
Current Capacity Ampere	0.8	0.8	0.8	0.5	0.4	0.5
Dielectric Withstanding Voltage	500	500	500	100	150	150
Operating Temperature	-40°C to +125°C	-40°C to +125°C	-40°C to +125°C	-55°C to +85°C	-55°C to +105°C	-40°C to +125°C
Stack Heights	5 mm	9 mm ~ 20 mm	5, 8, 12, 16, 20 mm	3.0 mm	4, 30 and 6.00 mm	3, 4, 4.5, 5, 6.00 mm
Speed up to	32 Gb/s	8 Gb/s	16 Gb/s	80 Gb/s	15 Gb/s	2.5 Gb/s
Mating Cycles	100	100	100	50	100	50
Configurations	Vertical, Double Row	Vertical, Double Row	Vertical, Double Row	Vertical, Double Row	Vertical, Double Row	Vertical, Double Row
PCB Terminations	SMT	Hybrid Mount	SMT	SMT	SMT	SMT
Applications	- Industrial: Factory Automation & PLC - Data: Server & Storage - Medical: MRI Machines	- Industrial: Embedded Computer - Data: Server, Storage & 5G - Medical: MRI Machines	- Industrial: Embedded Computer - Data: Server, Storage & 5G - Communication: Datacom & Telecom	- Industrial: Automation Machines - Automotive: ADAS - Data: Server & Storage	- Industrial: Mobile Payment - Communication: Telecom & Router - Automotive: Display Module Camera	- Industrial: POS & Surveillance - Consumer: Video Digital Camera

Product Family	BergStak HS™	Mezzostak®	BergStak® Self-alignment	BergStak® Self-alignment	BergStak®
					
Pitch	0.50 mm	0.50 mm	0.50 mm	0.40 mm	0.40 mm
Positions	50, 60, 120	20 to 90	20 to 80	30	10 to 100
Current Capacity Ampere	0.5	0.5	0.5	0.3	0.3
Dielectric Withstanding Voltage	300	500	150	100	100
Operating Temperature	-40°C to +125°C	-55°C to +125°C	-40°C to +125°C	-40°C to +125°C	-40°C to +125°C
Stack Heights	10, 12 mm	4, 5, 5.5, 6, 6.5, 7 mm	3.0 mm	3.5 mm	1.5, 4 mm
Speed up to	32 Gb/s	5 Gb/s	2.5 Gb/s	8 Gb/s	16 Gb/s
Mating Cycles	100	50	50	30	30
Configurations	Vertical, Double Row	Vertical, Double Row	Vertical, Double Row	Vertical, Double Row	Vertical, Double Row
PCB Terminations	SMT	SMT	SMT	SMT	SMT
Applications	- Industrial: Embedded Computer - Data: Server & Storage - Communication: Datacom & Telecom	- Industrial: Portable Equipment - Data: Storage - Communication: Networking	- Industrial: Embedded Computer - Communication: 5G - Consumer: Home Automation	- Industrial: Factory Automation - Consumer: Gaming Device - Automotive: Camera	- Consumer: PC/ Laptop - Automotive: Camera - Data: Server

FFC FPC

Product Family	SFVL 	VLL 	SFV 	OPU 	SFW 
Part Number	59453	10051922	SFV	62684	SFW
Pitch	0.50 mm	0.50 mm	0.50 mm	0.50 mm	1.00 mm
Positions	4,5,6,7,8,9,12,13	8 up to 30	4 up to 35	32 up to 60	4 up to 30
Current Capacity Ampere	0.4	0.5	0.5	0.5	1
Dielectric Withstanding Voltage	200	200	200	200	500
Operating Temperature	-55°C to +85°C	-55°C to +85°C	-55°C to +105°C	-55°C to +85°C	-55°C to +105°C
Cable Thickness	0.2 mm	0.3 mm	0.3 mm	0.3 mm	0.3 mm
Height	0.9 mm	1.3 mm	1.8 mm	2.0 mm	2.7 mm
Options	Cable Lock	N/A	Cable Lock	N/A	Cable Lock; CIC Contact; Gold Plating
ZIF or Non-ZIF	ZIF Back Side Flip	ZIF Back Side Flip	ZIF Slider	ZIF Slider	ZIF Slider
Standard Plating	Gold Plating	Gold Plating	Gold Plating	Gold Plating	Tin Plating
Contact Direction	Bottom - Top	Bottom	Bottom - Top	Bottom - Top	Bottom - Top
Configurations	Right-Angle Surface Mount	Right-Angle Surface Mount	Right-Angle Surface Mount	Right-Angle Surface Mount	Right-Angle, Straight Surface Mount
Applications	Head Phone, Wearable & Medical	Camera unit, Printer & Network server	Sensor, Patient Monitor & Handheld	IP phone, Medical & Printer	Printer, Video Server & Handheld

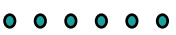
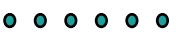
Product Family	HFW 	SLW 	HLW 	Clincher™ 	Duflex™ 
Part Number	HFW	SLW	HLW	65801, 67516, 66226, 95735, 95736	76785, 67013, 66987
Pitch	1.00 mm	1.00 mm	1.00 mm	2.54 mm	2.54 mm
Positions	4 up to 30	4 up to 30	4 up to 32	2 to 34	2 to 36 Single row 4 to 72 Double row
Current capacity Ampere	1	1	1	2	3
Dielectric Withstanding Voltage	500	500	500	1000	1000
Operating Temperature	-55°C to +105°C	-55°C to +85°C	-55°C to +85°C	-65°C to +105°C	-65°C to +126°C
Cable Thickness	0.3 mm	0.3 mm	0.3 mm	0.33 mm	0.11 to 0.38 mm Conductor Thickness: 0.076 ± 0.013 mm or 0.127 ± 0.013 mm
Height	1.9 - 5.3 mm	4.0 - 5.5 mm	3.9 - 5.9 mm	2.54 mm	3.80mm (Single Row) 6.34mm (Double Row)
Options	CIC Contact; Gold Plating	N/A	N/A	Gold Plating	Crimping Tool
ZIF or Non-ZIF	Non-ZIF	ZIF Slider	Non-ZIF	Non-ZIF	Non-ZIF
Standard Plating	Tin Plating	Tin Plating	Tin Plating	Gold & Tin	Gold & Tin
Contact Direction	Bottom - Top - Vertical	Bottom - Vertical	Top - Vertical	NA: Single Row, Top & RA Multi-Contact Point	NA: Single and Double Row Multi-Contact Point
Configurations	Right-Angle, Vertical Surface Mount	Right-Angle, Vertical Through Hole	Right-Angle, Vertical Through Hole	Right Angle, Straight, Cable to Board	Right Angle, Straight
Applications	Printer, Medical, Game & Sound Bar	Industry-Control, Handy Terminal & Lighting	Printer, Home Audio & LED Lighting	Power seat, Medical device & Industry-Control	Power seat, Medical device & Industry-Control

Input and Output

	USB Type C	USB 2.0	Power USB	Universal Contact
Product Family				
Pitch	0.50 mm	Type A: 2.50 mm Micro B: 0.65 mm	2.50 mm	N/A
Positions	6, 14, 16, 24	A/B Type 4 pins Mini/Micro type 5 pins	9	1
Current Capacity Ampere	5	15 - 3	5	2
Mating Cycles	10000	1500	1500	2500
Operating Temperature	-55°C to +85°C	-55°C to +85°C	-55°C to +85°C	-55°C to +85°C
Speed & Category	20 Gbps	480 Mbps	480 Mbps	N/A
Configurations	Vertical, Right-Angle	Vertical, Right-Angle	Right-Angle	Vertical, Right-Angle
PCB Terminations	SMT, THT	SMT, THT	THT	SMT
Applications	- Computer: Laptop - Consumer: Phone & Gaming Box	- Industrial: HMI - Automotive: Infotainment - Cosumer: Smart Device	- Industry: POS	- Consumer: Smart Device - Medical: Covid Tester

	HDMI	Modular Jack	SD Card Readers
Product Family			
Pitch	Type A: 0.50 mm Type D: 0.40 mm	2.54 mm	2.50 mm
Positions	19	4, 6, 8, 10	6, 8, 16
Current Capacity Ampere	0.5	1	0.5
Mating Cycles	10000	2500	From 2500 to 500000
Operating Temperature	-55°C to +85°C	-55°C to +85°C	-55°C to +85°C
Speed & Category	10 Gbps	CAT 3/5	100 Mbps
Configurations	Vertical, Right-Angle	Vertical, Right-Angle, Single Row, Double Row	Vertical, Right-Angle
PCB Terminations	SMT, THT	SMT, THT	SMT
Applications	- Cosumer: TV & Smart Device - Computer: Laptop	- Industry: Phone, Printer & PLC	- Industrial: PLC - Cosumer: Digital Camera

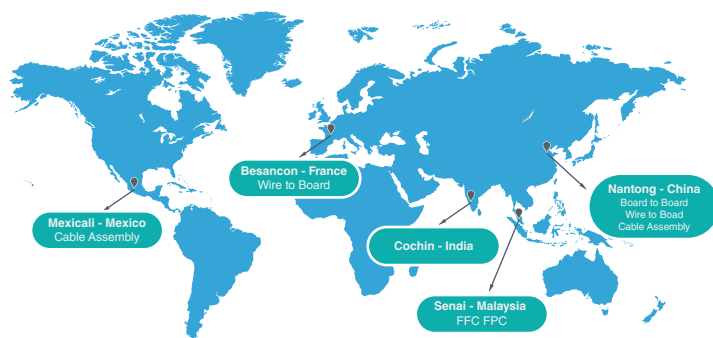
Glossary

Header	Housing With Pins (Male Connector)	
Receptacle	Housing with receptacle contacts (Female Connector)	
Terminal	Crimp to Wire Contact	-
TPA	Terminal Position Assurance	
CPA	Connector Position Assurance	
StS	Side to Side (Contacts Placed on Side to Side Row)	
StG	Staggered (Contacts Placed on Staggered Row)	
SR	Single Row (Contacts Placed on 1 Side to Side Row)	
DR	Double Row (Contacts Placed on 2 Side to Side Row)	
SL	Side Latch (Latch Between Header & Receptacle Placed on the Side of the Connector)	
TL	Top Latch (Latch Between Header and Receptacle Placed on the Top of the Connector)	
Horizontal	Connection Axis Parallel to the Board	-
Vertical	Connection Axis Perpendicular to the Board	
SMT	Surface-Mount Technology	-
THT	Through Hole Technology	-
PlP	Pin in Paste Technology	-

FCi Basics - Cable Assembly

- Wire to Board and Wire to Wire assemblies designed and optimized for maximum performance and value.
- Value added solutions based on our connector expertise, application knowledge, signal and power integrity management, manufacturing excellence and logistic skills.
- Collaborative I/O Design, Engineering and Manufacturing services in all regions.

Manufacturing Footprint



Cable Assembly Offering			Capability
Crimp to Wire	IDC	Input Output	Soldering Crimping Over-Molding
 Pitch 0.80 / 1.00 / 1.20 / 1.25 / 1.27 / 1.80 / 2.00 / 2.54 / 3.00 mm	 Pitch 1.27 / 2.00 / 2.54 mm	 USB and USB+P	

Crimp to Wire Solutions					
Product Family	ComboLock®	Dubox®	MiniPV®	Minitek®	WireLock®
Pitch mm	3.00 P / 1.00 S	2.54	2.54	2.00	1.80
Positions	2-8 P; 5-19 S	2 - 36	2 - 72	2 - 50	10 - 40
AWG	18-26 P; 24-30 S	20 - 32	18 - 32	22 - 30	22 - 26
Current Rating	10A; 1.5A	3A	3A	2A	2A

Product Family	MicroSpace™	Fine Pitch Minitek®	Fine Pitch Minitek®	Fine Pitch Minitek®	Fine Pitch Minitek®
Pitch mm	1.27	1.25	1.20	1.00	0.80
Positions	2 - 15 SR; 4-30 DR	2 - 15	3 - 4 - 6	2 - 20	2 - 20
AWG	22 - 28	28 - 32	28 - 32	28 - 32	28 - 32
Current Rating	4A	1A	0.5A	1A	1A

IDC Solutions			
Product Family	Quickie®	Minitek®	Minitek127™
Pitch mm	2.54	2.00	1.27
Positions	6 - 64	6 - 50	6 - 26
AWG	28 - 30	22 - 30	30
Current Rating	3A	2A	1A

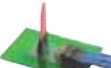
FCi Basics - Cable Assembly

Input / Output							
Product Family	USB 3.1	USB 3.1 Type C	USB 3.0	Micro USB 3.0	USB 2.0	Micro USB 2.0	Mini USB 2.0
							
Speed	5Gb/s	10Gb/s	5Gb/s	5Gb/s	480Mb/s	480Mb/s	480Mb/s
Cable Length	from 0.3 to 1M	from 0.3 to 1M	from 0.3 to 1M	from 0.3 to 1M	from 0.3 to 1M	from 0.3 to 1M	from 0.3 to 1M
Mating Cycles	10,000	10,000	1,500	10,000	12,000	10,000	5,000
Shielded Design	✓	✓	✓	✓	✓	✓	✓

Pre-Crimped Wire Leads - Fast and Cost-Effective Solution for Prototyping

FCI Basics offers a range of pre-crimped leads with a standard cable of 300mm length in receptacle-to-receptacle configurations.



Crimped Lead P/N	Product	Description	Wire Size	Plating	CTW Terminal
10156402-002LF	 WireLock® 1.80 mm	Crimped Lead with Tin Plated Terminals	AWG 22	Tin	1015312 6-4C2LF
10161198-N0030YYLF	 Multipitch® 1.25/1.50 mm	Crimped Lead with Tin Plated Terminals	AWG 26	Tin	10157551-0P10LF
10164491-001LF	 Minitex® 2.00 mm	Crimped lead with Tin Plated and Gold Plated Terminals	AWG 28	Tin	77138-T01LF
10164491-002LF				Gold	77138-101LF
10164490-001LF			AWG 24	Tin	10044403-T01LF
10164490-002LF				Gold	10044403-101LF
10164492-K0030TLF	 Dubox® 2.54 mm	Crimped Lead with Tin Plated and Gold Plated Terminals	AWG 20	Tin	76347-412LF
10164492-K0030GLF				Gold	76347-312LF
10164492-M0030TLF			AWG 24	Tin	76347-401LF
10164492-M0030GLF				Gold	76347-301LF
10162767-P0030YYLF	 MicroSpace™ 1.27 mm	Crimped Lead with Tin Plated Terminals.	AWG 26-28	Tin	10141272-112LF
10162767-M0030YYLF			AWG 24		10141272-113LF
10162767-L0030YYLF			AWG 22		10141272-111LF
10168684-001LF	 MicroSpaceXS™ 1.27 mm	Crimped Lead with Tin Plated Terminals. Female	AWG 22	Tin	10155447-111LF
10168685-001LF	 MicroSpaceXS™ 1.27 mm	Crimped Lead with Tin Plated Terminals. Male	AWG 22	Tin	10155449-111LF
10161663-001LF	 Mini PV® 2.54 mm	Crimped Lead with Tin Plated Terminals	AWG 22-26	Tin	47217-000LF
10161663-002LF			AWG 28-32		47213-000LF
10164064-M0030YYLF	 ComboLock® 1.00 mm Signal - 3.00 mm Power	Crimped Lead with Gold Plated Terminals	AWG 24	Gold	10162696-001LF
10164065-H0030YYLF			AWG 18		10162697-002LF
10163352-R0030YYLF	 Minitex® 0.80 mm	Crimped Lead with Tin Plated Terminals	AWG 30	Tin	10145493-10LF
10163353-P0030YYLF	 Minitex® 1.00 mm	Crimped Lead with Tin Plated Terminals	AWG 28	Tin	10147604-10LF
10163354-P0030YYLF	 Minitex® 1.25 mm	Crimped Lead with Tin Plated Terminals	AWG 28	Tin	10114827-001LF
10163355-P0030YYLF	 Minitex® 1.50 mm	Crimped Lead with Tin Plated Terminals	AWG 28	Tin	10135176-001LF

Hand Tool

FCI Basics' crimping hand tool is designed for applications in the prototyping phase or small production quantities. The hand tool has a mechanism which opens automatically after making the last advance of the ratchet with an ergonomic handle for an optimal grip.

Depending on the model, the pliers are provided with different crimping cavities giving you multiple possibilities for crimping your cable into one convenient tool: ALL CRIMPS IN ONE TOOL!



Image only for reference

Product	Part Number	Terminal (base part number)	AWG
Minitek® 2.00 wtb	10161577-001	10044403	22 24
	10161576-001	77138	26 28 30
Minitek MicroSpace™ 1.27 mm	10161117-001	10141272	28 26 24 22
WireLock® 1.80 mm	10159164-001	10153126-4C1LF	26
		10153126-4C2LF/5T2LF	22
		10163003-002LF	24
PV® 2.54mm	10162308-001	48250 - 48253- 48256 - 48266 - 48232 48233 - 47713 - 47746 - 48014 - 47716 - 47749	18 - 20
	10162309-001	47217	22 - 26
	10162310-001	47213	28 - 32
Minitek® Multipitch 1.25 / 1.50	10158871-001	10157551	26 - 28
Minitek® Board In	10161238-001	10156613 (Right Angle pitch 2.00)	26 24 22
	10161239-001	10156617 (Right Angle pitch 2.50)	26 24 22
	10161238-101	10156615 (Vertical pitch 2.00)	26 24
	10161239-101	10156619 (Vertical pitch 2.50)	26 24 22
Dubox® 2.54 mm	10164488-001	76347-412LF	20-22
		76347-312LF	
	10164489-001	76347-401LF	22-30
		76347-301LF	
ComboLock®	10164147-001HT	10162696 -001LF (Signal)	24 26
		10162696 -002LF (Signal)	28 30
	10164148-001HT	10162697 -002LF (Power)	18 20

Other hand tool will be coming soon.

Amphenol recommends using the hand tool for prototyping and small production quantities.

This tool should only be used for the terminals and wire gauges specified in our document.

To learn more about how to use our all-in-one Crimping Hand Tool, [click to watch the video](#).

FCi Basics

FCI Basics Products provides a modular interconnection platform of high quality and innovative solutions with a fast and competitive service model that helps to increase the competitiveness of our customer's equipment.

Our solutions include Wire to Board, Board to Board, Input/ Output, FFC/FPC, Hybrid Wire to Board, Hybrid Board to Board Customized Solutions & Cable Assembly.

www.amphenol-cs.com/basics | marketing@amphenol-cs.com