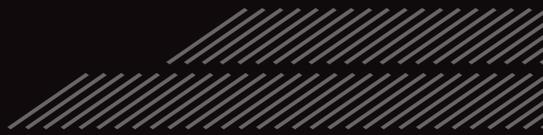
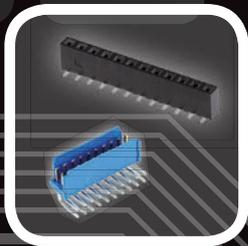
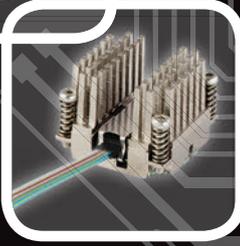
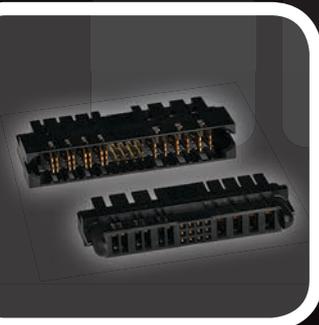




PRODUCT PORTFOLIO & APPLICATION OVERVIEW



BACKPLANE CONNECTORS



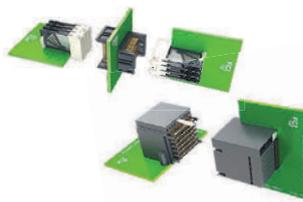
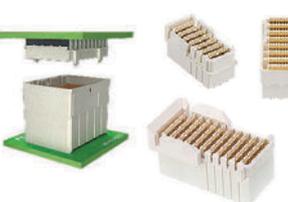
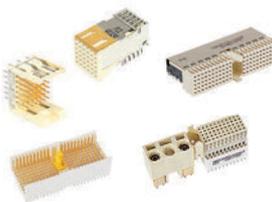
Speed
Up to 56Gb/s
Up to 25Gb/s
Up to 12.5Gb/s
Up to 5Gb/s

Amphenol FCI (AFCI)'s backplane connectors addresses the increasing demand for higher network bandwidths and data transfer rates with high bandwidth capabilities ranging from 5Gb/s (Metral® High Speed) up to 56Gb/s (ExaMAX®). Providing high speed and scalability, it is ideal for applications in networking, communications, data equipment, industrial and instrumentation such as supercomputers, control and medical equipment.

AFCI's backplane connectors have a wide range of card pitch and connector sizes. They have the highest connector density compared to other similar products in the market. Superior signal integrity performance via impedance control and low crosstalk is delivered while eliminating insertion loss resonances. Simple modular designs enable engineers and designers to quickly populate new designs with standard modules, while the connectors' consistent form factor allows forward and backward compatibility between AFCI's backplane connector families. This innovative design allows the same building modules to be used for many generations of equipment which ensures minimizing design investment for upgrades or new systems.

AFCI's range of backplane connectors includes ExaMAX®, ExaMAX® VS, AirMax VSe®, AirMax VS2®, AirMax VS®, ZipLine®, DIN 41612, HPC, Metral®, Millipacs®, Xcede® and Xcede® HD.

Most AFCI's backplane connectors are compliant to OIF CEI-25G-LR, IEC 917, IEC 1101, IEC 61076-4-101, IEC 61076-4-104, IEC 60950, and UL 1950 requirements.

High Speed Backplane	High Speed Coplanar	High Speed Orthogonal	High Speed Card Edge
 <ul style="list-style-type: none"> • AirMax VSe® (up to 25Gb/s); ExaMAX® (up to 56Gb/s); ExaMAX® VS (up to 25Gb/s); Xcede® HD (Up to 25Gb/s); ZipLine® (up to 12.5Gb/s) • ExaMAX® features beam-on-beam contact interface • AirMax VSe® features World's first innovation in Shieldless High Speed Connectors 	 <ul style="list-style-type: none"> • AirMax VSe® (up to 25Gb/s); ExaMAX® (up to 56Gb/s) • Permits mating of 2 boards in the same plane • One base card can mate to many I/O cards to cost effectively offer different system I/O options 	 <ul style="list-style-type: none"> • AirMax VS® (up to 25Gb/s); ExaMAX® Direct-Mate Orthogonal (up to 56Gb/s); ExaMAX® Midplane Orthogonal (up to 56Gb/s) • Provides capability to support 16 differential pair crossovers in a single module • Reduces electrical length between switch chips and I/O transceivers • Improves signal integrity performance 	 <ul style="list-style-type: none"> • MicroTCA Card Edge (up to 12.5Gb/s) • Meets MicroTCA PICMG specification and standards • Press-fit connector per MicroTCA specification
High Speed Mezzanine	2.00mm Backplane	2.54mm Backplane	Accessories
 <ul style="list-style-type: none"> • ExaMEZZ® (up to 56Gb/s); AirMax VS® (up to 12.5Gb/s) • Including TwinMezz®, GIG-Array®, MEG-Array® and Infinx® • High density and high speed (ranging from 10Gb/s to 56Gb/s) • Press-fit or Ball Grid Array (BGA) termination 	 <ul style="list-style-type: none"> • Metral® High Speed (up to 10 Gb/s); Millipacs® (up to 10Gb/s) • Metral® offers modular Board-to-Board or Cable-to-Board interconnection system designed in accordance with IEC 61076-4-101 and Telcordia GR-1217-CORE • Millipacs® Hard Metric offers modular Board-to-Board or Cable-to-Board designed in accordance with IEC 61076-4-101 and IEC 917 	 <ul style="list-style-type: none"> • DIN 41612; High Pin Count (HPC) • DIN 41612 conforms to DIN 41612 and IEC 603-2 specifications • HPC Backplane enables 3 and 4 row daughter cards to the backplane interface 	 <ul style="list-style-type: none"> • Mechanical Guidance Modules; Power Connector Modules; Metral® Accessories; Millipacs® Accessories • Enhances the usability and flexibility of connector systems • Accessory products required for mechanical packaging

POWER SOLUTIONS



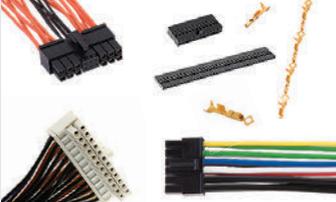
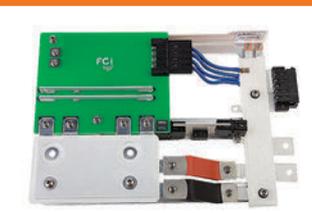
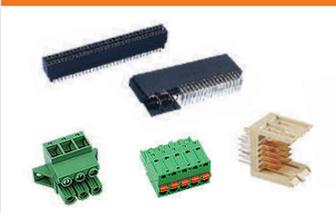
Current
Above 70Amp
Up to 70Amp
Up to 15Amp
Up to 5Amp
Other Power Solutions
Busbar
Power Cables

AFCI’s broad range of power connectors and power distribution assemblies features innovative and cost-effective solutions. Featuring some of the highest current carrying capacities in the industry ranging from 7A (Power Card Edge) up to 300A (Barklip®). It is ideal for data communications equipment such as servers, storage systems, routers and switches and industrial applications including solar, electric vehicles, energy storage, industrial control and embedded computing.

Addressing the increasing demand for higher-density packaging of electronic power distribution equipment, AFCI’s power connectors are produced in a wide range of standard and customizable power/signal configurations for connections between circuit boards, cables and busbars. This ensures the overall density resulting in less system size, weight and overall assembly cost.

Extensive research and development has resulted in new power connectors with less electrical resistance and better heat dissipation compared to competing designs from alternative suppliers.

AFCI’s power connectors are designed and tested in accordance with industry standards such as IEC 61076-4-104 and IEC 60950, EIA 364-1000, and are recognized and/or certified by UL and CSA.

1-Piece Card Edge	2-Piece Board-to-Board	Low Power I/O	Medium & High Power I/O
 <ul style="list-style-type: none"> • PCE® (up to 7A); HPCE® (up to 30A) • Low profile designs • High linear current density and low power loss 	 <ul style="list-style-type: none"> • HCI® (up to 113A); PwrBlade® (up to 40A); PwrBlade ULTRA® (up to 75A); PwrBlade+™ (up to 63A); PwrLoPro® (up to 70A); HPCE® (up to 30A) • Right angle, vertical and straddle mount versions available • Configurable power and signal mix for PwrBlade® family 	 <ul style="list-style-type: none"> • Minitek® Pwr 3.0 & 4.2 (up to 9A); Minitek® Pwr Hybrid 3.0 & 4.2 (up to 9A); Minitek® Pwr High Current Connector 3.0 & 4.2 (up to 13.5A); Mini PV (up to 3A); Jumbo PV (up to 7A) • Right angle, vertical versions available • Wire-To-Wire and Wire-To-Board applications 	 <ul style="list-style-type: none"> • Perma-Tap™ Power Cable (up to 40A); Pwr TwinBlade® (up to 100A); PwrProfile® (up to 20A); PwrProfile+® (up to 34A); HPCE® (up to 30A); PwrBlade® (up to 40A); PwrBlade+™ (up to 63A); Barklip® (up to 300A) • Cable-To-Board application • Wire size ranges from 26AWG to 2AWG
Busbar Connectors	Busbar Power Distribution	Low Power Connector	Medium & High Power Connector
 <ul style="list-style-type: none"> • BarGuide™ (up to 250A); Barklip® (up to 300A) • Low resistance and quick connections • PCB-To-Busbar connections 	 <ul style="list-style-type: none"> • Busbar for Industrial and Instrumentation • Simplify power distribution • Minimize power loss 	 <ul style="list-style-type: none"> • PCE® (up to 7A); Metral® Power (up to 3A); PCB Terminal Blocks (up to 20A) • Minimize power consumption • Specific for low power applications 	 <ul style="list-style-type: none"> • AirMax VS® Power (up to 30A); HPCE® (up to 30A); D-Sub Power (up to 40A); DIN Rail Terminal Blocks (up to 850A); PCB Terminal Blocks (up to 50A); PwrBlade® (up to 40A); PwrBlade ULTRA® (up to 75A); PwrBlade+™ (up to 63A); HCI® (up to 113A); BarGuide™ (up to 250A); PwrMAX® Ortho (up to 100A) • Suitable for high power applications • Excellent performance in harsh environments

BOARD-TO-BOARD CONNECTORS



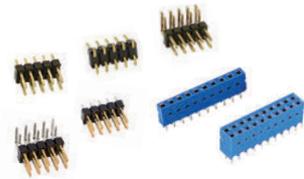
Pitch
3.00mm
2.54mm
2.00mm
1.27mm
1.00mm
0.80mm
0.50mm

AFCI's board-to-board connector systems feature contact pitch ranging from 0.5mm to 3.0mm. The comprehensive family of modular, rugged pin and receptacle interconnects are used in board-to-board applications. They are suitable for data communications equipment, industrial & instrumentation market, car multimedia applications, wireless infrastructure, servers and external storage systems.

The connectors are available in low-profile form factor and supports different stack heights. They are also available in multiple contact position options and have the lowest coplanarity at 0.1mm, offering high connector densities.

The connectors' modular systems enable increased mechanical design and flexibility, and compatibility with other connector families. They have polarized mating geometry to prevent mis-mating with PCB header, while the friction lock feature secures retention force. Exclusive Rib-Cage® multi-point receptacle contacts for optimal reliability in high vibration and shock-prone applications. The connector systems feature excellent signal integrity performance of 56Gb/s per differential pair in mezzanine applications. Independent SMT contact such as Universal Contact provides electrical connection between a device and PCB.

AFCI's diverse portfolio of board-to-board connectors includes 2.54mm contact-pitch products such as Dubox®, PV®, BergStik®, Quickie® as well as Minitek® connectors with a contact pitch of 2.00mm. Other leading series include Minitek127®, which has a 1.27mm pitch as well as 1.25mm and 1.2mm pitch for wire-to-board connections. Selective and duplex plating and different plating variations are offered for the product families.

0.50mm Pitch	0.80mm Pitch	1.00mm Pitch	1.27mm Pitch
 <ul style="list-style-type: none"> • BergStak® 0.5mm; MezzoStak® • BergStak® 0.5mm offers 10 to 60 positions in 10 position increments and 3mm to 6mm stack height in 0.5mm increments • MezzoStak® has a hermaphroditic design that provides precise mating interface 	 <ul style="list-style-type: none"> • BergStak® 0.8mm • 40 to 200 positions in 20 position increments and 5mm to 20mm stack height in 1mm increments • Compliant with PCIe 4.0 	 <ul style="list-style-type: none"> • BTFW Series; Conan® • Designed for high density and high reliability applications • BTFW Series features floating allowance that permits self-alignment during mating 	 <ul style="list-style-type: none"> • Minitek127®; PHEC Series; Rib-Cage® • Minitek127® offers an extensive modular range of connectors • PHEC Series has robust housing design • Rib-Cage® provides cost-effective optimal precision and reliability
2.00mm Pitch	2.54mm Pitch	3.00mm Pitch	Universal Contacts
 <ul style="list-style-type: none"> • Minitek® 2.00mm • Minitek® 2.00mm connector system is fully intermateable • Wide variety of headers, receptacles, cable connectors and wire connectors 	 <ul style="list-style-type: none"> • BergStik®; PV®, Dubox®, EconoStik™ • Surface mount, through hole and press fit versions available • 0.76µm, 0.36µm, 0.25µm, 0.025µm gold plating options for headers 	 <ul style="list-style-type: none"> • RotaConnect® Rotatable BTB • Hermaphroditic "mates to itself" design enables multiple mating angles • Hold-down and locating peg options available 	 <ul style="list-style-type: none"> • Universal Contacts • Incorporates pre-load and anti-lift features • Connects with components in any direction and configuration

WIRE-TO-BOARD CONNECTORS



Pitch
4.20mm
3.00mm
2.54mm
1.50mm
1.27mm
1.25mm
1.20mm
Griplet®

AFCI offers a wide variety of wire-to-board connector systems feature contact pitch ranging from 1.2mm to 4.2mm. The comprehensive family of modular, rugged pin and receptacle interconnects are used in wire-to-board applications and is suitable for data communications equipment, industrial & instrumentation market, car multimedia applications, wireless infrastructure, servers, and external storage systems. The connectors are available in low-profile form factor and multiple contact position options to offer high connector densities.

The connectors' modular systems enable increased mechanical design and flexibility, and compatibility with other connector families. They have polarized mating geometry to prevent mis-mating with PCB header, while the friction lock feature secures retention force. The connectors also have exclusive Rib-Cage® multi-point receptacle contacts for optimal reliability in high vibration and shock-prone applications.

AFCI's diverse portfolio of wire-to-board connectors includes 2.54mm contact-pitch products such as PV® and Quickie® Connectors compatible with automotive lighting standards are also offered in 1.50mm or 1.27mm pitch.

Independent Surface-mount technology (SMT) contact such as Griplet® provides highly reliable connection where direct connection between individual wires and PCB are required.

Minitek® Pwr 4.2mm	28 to 16 AWG	Minitek® 2.00mm	30 to 26 AWG	Minitek MicroSpace™ 1.27mm	up to 22 AWG
Minitek® Pwr 3.0mm	30 to 20 AWG	Minitek® 1.50mm	28 to 24 AWG	1.25mm Wire-to-Board	32 to 28 AWG
BergStik® 2.54mm	20 to 18 AWG	Minitek MicroSpace™ 1.5mm	up to 22 AWG	1.2mm Wire-to-Board	32 to 28 AWG
Dubox® 2.54mm	30 to 20 AWG	1.27mm Wire-to-Board	up to 22 AWG	Griplet® Miniature IDC	36 to 20 AWG
PV® 2.54mm	30 to 20 AWG	Minitek127® 1.27mm	30 AWG		

1.20mm Pitch	1.25mm Pitch	1.27mm Pitch	1.50mm Pitch
<ul style="list-style-type: none"> • 1.20mm Wire-To-Board • Low profile with mated height of 2.50mm • Compact design with pin count availability for 3, 4 and 6 pin counts 	<ul style="list-style-type: none"> • 1.25mm Wire-To-Board • Conforms to EU Industry Safety Standard • Terminals, crimp housings and PCB headers in vertical, right angle, surface mount and through hole configurations 	<ul style="list-style-type: none"> • Minitek MicroSpace™ 1.27mm; Minitek127® • Minitek MicroSpace™ 1.27mm reduces PCB footprint by 50% and is LV214-Severity 2 compatible • Minitek127® is ideal for all types of Wire-To-Board and Cable-To-Board applications 	<ul style="list-style-type: none"> • Minitek MicroSpace™ 1.5mm; Minitek® 1.50mm • Connector density reduces PCB footprint by 50% • LV214-Severity 2 compatible
2.54mm Pitch	3.00mm Pitch	4.20mm Pitch	Griplet Miniature IDC Connector
<ul style="list-style-type: none"> • PV® Crimp; Quickie® IDC; Latch-N-Lok™ Crimp • PV® Crimp connects discrete wire to PCB • Quickie® IDC offers Cable-to-Board connectors for Pin-In-Paste processes • Latch-N-Lok™ Crimp is a shielded latching i/o connector system 	<ul style="list-style-type: none"> • Minitek® Pwr 3.0; Minitek® Pwr Hybrid 3.0; Minitek® Pwr High Current Connector 3.0; RotaConnect® WTB • Right angle, vertical versions available • Wire-To-Wire and Wire-To-Board applications 	<ul style="list-style-type: none"> • Minitek® Pwr 4.2; Minitek® Pwr Hybrid 4.2; Minitek® Pwr High Current Connector 4.2 • Right angle, vertical versions available • Wire-To-Wire and Wire-To-Board applications 	<ul style="list-style-type: none"> • Griplet® • Accommodates multiple wire sizes from 32AWG to 20AWG • Unique design allows allocation anywhere on the PCB

STORAGE & SERVER SYSTEM CONNECTORS



Product Type
Storage
Memory Module Sockets
Card Edge

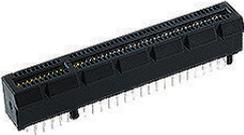
AFCI offers a wide range of connectors to support industry-standard interfaces such as Serial Attached SCSI (SAS), Serial ATA (SATA) or SCA-2 (Single Connect Attachment-2), between hard disk drives/solid state drives (HDD/SSD) and backplanes or drive carrier boards for applications in servers and storage system.

AFCI's latest range of SAS connectors supports high speed serial storage interfaces up to 12Gb/s data and is designed to comply with SAS 3.0 and SFF-8680 specifications in mating interface, performance and signal integrity. The new SFF-8639 connectors support SATA, SAS, or PCIe interfaces which enable PCIe-based SSDs to achieve up to 32Gb/s data transfers with four lanes of PCIe Express® 3.0.

AFCI's vertical card edge connectors enable all generations of PCI Express® signaling and is designed to support 2.5Gb/s (Gen1), 5.0Gb/s (Gen2), and 8.0Gb/s (Gen3) per differential signal pair.

The PCIe M.2 connector is designed to support PCI Express 3.0, USB 3.0, and SATA 3.0 applications and reduces PCB board space with its compact form factor and low connector height.

AFCI's memory module sockets conform to the JEDEC industry standards for DIMM (Dual In-line Memory Modules). AFCI's newest DDR4 DIMM sockets accept memory modules that conform to JEDEC MO-309. The sockets facilitate convenient memory expansion in servers, workstations, desktop PCs, and embedded applications in communications and industrial equipment.

SAS	SAS PCIe	SATA	SCA-2
 <ul style="list-style-type: none"> • 12G/6G SAS • Storage Drive Interface • Superior 12G SAS signal integrity performance • Conforms to SFF8482 and SFF8680 	 <ul style="list-style-type: none"> • 12G/6G SAS PCIe • Storage Drive Interface • Enables high speed SAS HDD interfaces well as PCIe devices • Conforms to SFF8482, SFF8639 and SFF8680 	 <ul style="list-style-type: none"> • SATA • Designed for hot plugging and blind mating of HDD • Conforms to SFF8482 	 <ul style="list-style-type: none"> • 12G SCA-2 Receptacle; 8G SCA-2 Header & Receptacle • Improves PCB footprint which results in improved performance • 12G SCA-2 Receptacle conforms to SFF8680
PCIe Card Edge	M.2	DDR4/3/2	Compression Connector
 <ul style="list-style-type: none"> • PCIe Gen 1/2/3 • Comes in 1.0mm pitch • PCIe Gen 3 vertical card edge connectors supports higher bandwidth versions 	 <ul style="list-style-type: none"> • PCIe M.2 • Reduces PCB footprint • Supports higher data rates (PCI Express 3.0, USB 3.0 & SATA 3.0) 	 <ul style="list-style-type: none"> • DDR2; DDR3; DDR4 Memory Module Socket • Slim latch design optimizes airflow and reduces board space • DDR4 offers special housing and ultra low profile design options • Conforms to JEDEC MO-309/224 and JEDEC 80-007 standards 	 <ul style="list-style-type: none"> • Compression Connector • Independent single piece connector used together with flexible circuit or PCB • Available in single or double row contact

INPUT/OUTPUT CONNECTORS



Product Type
USB
Modular Jack
D-Sub
HDMI
Memory & Media Card
Outdoor I/O
High Speed I/O
AFCI Proprietary I/O

AFCI's diverse portfolio of Input/Output connector solution provide high density and high speed interfaces for interconnect technologies used in networking, data communications, storage, memory and complementary products for power distribution, industrial and instrumentation applications, and consumer electronics.

The range of I/O solutions include High Speed, Outdoor, Backplane, Signal Wire-to-Board, D-Subminiature, USB, HDMI connectors, Modular Jacks, Memory & Media card sockets and connectors are in full compliance to applicable industry standards such as SFF, IEEE802.3, Infiniband, SAS, PCIe, USB, PCMCIA, HDMI, DIN 41652 and MIL-C-24308.

AFCI's versatile I/O connectors are available in a wide range of connector configurations and come in single or stacked multiports. The highly reliable connectors feature 360° shielding and ensures mating cycle capability ranging from 100 to 200,000 cycles. The connector supports a wide range of signaling densities and protocols ranging from 100Mb/s per channel up to and including 25 to 28Gb/s and 40Gb/s per channel requirements. It supports aggregate cable assembly bandwidths from 10Gb/s up to 400Gb/s.

AFCI's newest OCTIS™ Outdoor I/O for outdoor telecom, industrial and harsh environment meets multiple industry standard interfaces like SFP/SFP+, Signal, PoE (Power over Ethernet), Power, Hybrid of Signal & Power and RJ45, features high speed signal and power, lightning protection, EMI shielding and ease to installation.

High Speed I/O	Outdoor I/O	Backplane I/O	Signal Wire-To-Board
<ul style="list-style-type: none"> • SFP+, QSFP+, Mini-SAS; Mini-SAS HD Connector and Cage • SFP+ interconnect meets SFF-8431 requirements • QSFP+ interconnect meets IEEE802.3ba, IEEE802.3bj, Infiniband QDR, FDR and EDR specifications • Mini-SAS HD solutions meets the SAS 2.1, SAS 3.0, SFF-8643 and SFF-8644 requirements 	<ul style="list-style-type: none"> • OCTIS™ Outdoor I/O System • Features high speed signal and power, lighting protection, EMI shielding and ease of installation for outdoor, industrial and harsh environments • SFP/SFP+, RJ45, Signal, Power, Hybrid (Combo) connector interface available <p style="text-align: center;"><small>OCTIS™ is a trademark of Radiall</small></p>	<ul style="list-style-type: none"> • ExaMAX® I/O; AirMax VS® Cable; Metral®; Metral® HDXS Cable; Sofix® Shielded Cable; Millipacs® Cable; DIN IDC Cable • Millipacs® shielded and non-shielded cable connectors are designed in accordance with IEC 917 and IEC 61076-4-101 • Metral® HDXS is designed in accordance with IEC 61076-4-104 	<ul style="list-style-type: none"> • Dubox®; Minitek® • Minitek® 2.00mm connector system is fully intermateable • Dubox® is available in surface mount, through hole and press fit versions
D-Subminiature	Memory & Media Card	Modular Jack	USB
<ul style="list-style-type: none"> • D-Sub Standard; D-Sub High Density; D-Sub Power; D-Sub Cable Connector and D-Sub Accessories • Comprehensive range of robust and reliable connectors for wide variety of applications • Offered in large number of mounting options 	<ul style="list-style-type: none"> • PCMCIA™; Smart Card; and Flash Memory Products • PCMCIA™ short body design helps achieve excellent signal transmission • Smart card connectors includes SIM/SAM or full size card connectors • Flash memory products are shock proof and able to withstand vibrations 	<ul style="list-style-type: none"> • RJ45; RJ11 • RJ45 and RJ11 modular jack support Cat 3 (16Mb/s) and Cat 5 (100Mb/s) performance category • Modular jacks are offered as a horizontal or vertical solution with 4,6,8 positions 	<ul style="list-style-type: none"> • USB 3.1 Type C; USB 3.0 & USB 2.0; Micro USB 3.0 & 2.0; Mini USB 2.0; Power USB • USB 3.1 Type C meets USB 3.1 specification and supports SuperSpeed 10Gb/s • Micro USB 3.0 and USB 3.0 is fully backwards compatible • USB connectors are offered in various configurations and terminations

CABLE ASSEMBLIES

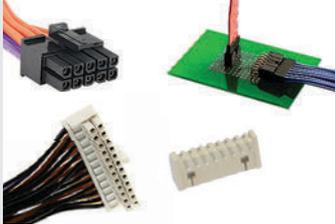


Product Type
Backplane
High Speed I/O
Crimp-To-Wire
I/O
IDC
Power
Outdoor I/O
AFCI Proprietary I/O

AFCI's cable assembly offerings are designed to support both electrical and optical high speed signal transmissions across an extensive range of applications across global industries. The diverse range of cable assembly include Backplane, High Speed I/O, Crimp-to-Wire Solution, Insulation Displacement Contact (IDC) Solution, Power Cables and Outdoor I/O. They are designed to conform to industry standards such as Infiniband, Ethernet, FibreChannel, IEEE, SAS, OIF and other industry protocols including SFP+, QSFP+, CXP, Mini-SAS, Mini-SAS HD passive copper cables. Customized, professional-grade cable assemblies are also supported by AFCI's flexible manufacturing capabilities from design to production.

The high performance cable assembly portfolio feature cables used in external (outside the box), internal (inside the box). All cables are engineered to deliver superior signal integrity performance covering signaling speeds up to 40Gb/s per channel requirements.

AFCI's newest OCTIS™ Outdoor I/O features high speed signal and power, lightning protection, EMI shielding and ease to installation and conform to various industry standards.

Backplane I/O	High Speed I/O	Crimp-To-Wire	I/O Solution
			
<ul style="list-style-type: none"> • ExaMAX® I/O; AirMax VS® Cable; Metral® and Metral® HDXS Cable; Sofix® Shielded Cable; Millipacs® Cable; DIN IDC Cable • ExaMAX® I/O signal integrity performance meets 25G and 40G per channel requirements • AirMax VS® Cable is capable of differential signal transmission from 2.5Gb/s per channel up to 10Gb/s per channel 	<ul style="list-style-type: none"> • DensiShield® Cable; QSFP+ Copper Cable; SFP+ Copper Cable; Mini-SAS; Mini-SAS HD Copper Cable • QSFP+ Copper Cable is a high density cabling interconnect system capable of delivering aggregate data bandwidths of 40Gb/s, 56Gb/s and 112Gb/s • SFP+ Copper Cable is a high density cabling interconnect system capable of delivering channel bandwidths of 10Gb/s and 25Gb/s 	<ul style="list-style-type: none"> • Dubox®; Minitek® 2.00mm, Minitek® 1.50mm, Minitek® Pwr 3.0; Minitek® Pwr 4.2; PV® Crimp; 1.25mm Wire-to-Board; 1.20mm Wire-to-Board; Minitek MicroSpace™ 1.27/1.5mm • Dubox® has surface mount, through hole and press fit versions available • Minitek® Pwr 3.0 and Minitek® Pwr 4.2 are designed for Wire-To-Wire and Wire-To-Board applications • 1.20mm Wire-To-Board has a low profile with mated height of 2.50mm 	<ul style="list-style-type: none"> • Latch-N-Lok™ Crimp; D-Sub Cable; CAT 6A SFTP Patch Cable • Latch-N-Lok™ Crimp is a shielded latching i/o connector system • D-Sub Cable provides excellent performance in harsh environment conditions • CAT 6A SFTP Patch Cable supports up to 10Gb/s data transmission in accordance with IEEE802.3an standard
IDC Solutions	Power Cables	Outdoor I/O	
			
<ul style="list-style-type: none"> • Minitek® 2.00mm; Minitek127®; Quickie® IDC • Minitek® 2.00mm connector system is fully intermateable • Minitek127® offers different plating options and up to 100 positions 	<ul style="list-style-type: none"> • HPCE® (up to 30A); Perma-Tap™ Power Cable (up to 40A); PwrBlade+™ (up to 63A); Pwr TwinBlade® (up to 100A); PwrProfile® (up to 20A); PwrProfile+® (up to 34A) • PwrBlade+™ comes in configurable power and signal mix • Pwr TwinBlade® has new sensing contacts to ensure proper mating 	<ul style="list-style-type: none"> • OCTIS™ Outdoor I/O System • Features high speed signal and power, lightning protection, EMI shielding and ease of installation for outdoor, industrial and harsh environments • SFP/SFP+, RJ45, Signal, Power, Hybrid (Combo) connector interface available 	

OCTIS™ is a trademark of Radiall

OPTICAL INTERCONNECT



Standards
SFP+ Transceivers & AOC
SCFF Transceiver
QSFP/QSFP+ Transceiver & AOC
OBT Transceiver & Cable
Mini-SAS HD AOC
CXP AOC
Optical Couplers
Fiber Optic Cable Assemblies

AFCI's high speed optical interconnect solutions feature high performance optical transceivers, Active Optical Cables (AOC), optical couplers and passive optical cable assemblies. They deliver the highest bandwidth/port and highest hardware faceplate port density for emerging data center and high performance computing application needs.

These product offerings are suitable for data and telecommunications applications that include servers, switches, routers, optical transport and wireless infrastructure hardware. The optical transceiver offerings are fully compliant to various high speed industry application standards ranging from 10Gb/s Ethernet, 2, 4, 8 and 10Gb/s FibreChannel, Infiniband QDR & FDR and various IEEE 802.3 specifications including IEEE 802.3ba (40Gb/s) and IEEE 802.3bj (100Gb/s).

The range of optical interconnects includes XFP, SFP+ and SCFF transceivers as well as AOC offerings that include SFP+, QSFP+, CXP, Mini-SAS HD and related splitter cables. Passive optical cable assemblies include SC, ST, LC, MTRJ and MPO based terminations, break out cable assemblies as well as both single mode and multi-mode optical coupler configurations.

AFCI's optical transceivers and cable assemblies are capable of delivering aggregate data bandwidths ranging from 10Gb/s up to 150Gb/s and support signal transmission distances up to 10km.

The optical transceivers and AOCs feature industry standard interfaces, low power consumption, rugged diecast connector ends and multiple cable exit/boot options.

SFP+ AOC & Transceiver	QSFP+ AOC	CXP AOC	Mini-SAS HD AOC
<ul style="list-style-type: none"> • SFP+ Transceiver (SR/LR/LRM) (up to 10Gb/s); SFP+ Active Optical Cable • SFP+ transceivers meets SFF-8431, SFF-8432, SFF-8472, 10G Ethernet and Fibre Channel, 1200-MX-SN-I, and RoHS 6/6 requirements • SFP+ AOC is capable of transmitting data up to 19Gb/s and supporting signal transmission at distances between 1m and 100m 	<ul style="list-style-type: none"> • QSFP+ Active Optical Cable (up to 10Gb/s and 14Gb/s per channel); QSFP+ Splitter Cable Assembly (up to 25Gb/s per channel) • Capable of delivering aggregate data bandwidths up to 40Gb/s and 56Gb/s • Meets SFF-8436, 40GBASE-SR4, Infiniband SDR, DDR, QDR, FDR specifications 	<ul style="list-style-type: none"> • CXP Active Optical Cable • Capable of delivering aggregate data bandwidths up to 120Gb/s and 150Gb/s • Meets SFF-8642, Infiniband SDR, DDR, QDR specifications 	<ul style="list-style-type: none"> • Mini-SAS HD Active Optical Cable • Low power consumption of 0.8W • Meets SFF-8643, SAS 2.1 and SAS 3.0 requirements
On-Board Transceiver	Optical Coupler	Fiber Cable Assemblies	Fiber Optic Cable Assemblies
<ul style="list-style-type: none"> • Leap® On-Board Transceiver (up to 300Gb/s) • Capable of aggregated data bandwidths up to 300Gb/s (12 channels at 25Gb/s) • Meets 100GBASE-SR4, Infiniband EDR, PCIe Gen 4, SAS 4.0 • MT ferrule (2x12) fiber optical interface • Various heatsink options available 	<ul style="list-style-type: none"> • Canstar® Tap Coupler; Canstar® Splitter; Star Coupler • Designed for data acquisition, test and measurement, data distribution systems • 1x1 and 2x2 single mode and multimode couplers configurations 	<ul style="list-style-type: none"> • Ribbon and Multiple Fiber Cable Assemblies (MPO, MT, MXC) • NX12 fiber cable assemblies based on MPO and MXC connector standard • Meets Telcordia GR-326-CORE specifications 	<ul style="list-style-type: none"> • Standard Patch Cords (SC/LC/ST/FC) • Simplex and duplex cable assemblies including SC/LC/ST/FC • Single mode and Multimode fiber • Meets Telcordia GR-326-CORE specifications

TERMINAL BLOCKS



Product Type
PCB Terminal Blocks
Din Rail Terminal Blocks

AFCI's Terminal Blocks include the Printed Circuit Board (PCB) and DIN Rail version. Available in various pluggable and fixed configurations, this technology incorporates various pitch-sizes and wire sizes for signal and power solutions.

The suite of PCB Terminal Blocks is available in a wide range of connection technologies including the Wire Protector, Rising Clamp, Screw Pluggable, Spring Clamp Pluggable and Spring Clamp Systems. These proven technologies ensure long-lasting and reliable connections to meet the most demanding applications in industrial, instrumentation and communication environments.

A distinctive feature of the PCB Terminal Blocks is the small footprint available in pitch sizes between 2mm up to 20mm. They can handle currents ranging up to 125A and soldering temperatures up to 250°C. Accessories are available as an option.

The suite of modular DIN Rail terminal blocks are designed based on Screw Clamp, Spring Clamp, Universal, Pluggable and Power connection technologies using standardized accessories to improve wire installation time and reduces inventory cost.

The DIN Rail terminal blocks can be used in a wide variety of applications such as control cabinets for machinery and plant construction, energy technology, and building installation. DIN Rail Terminal Blocks supports conductor sizes from 2.50mm² to 95mm² and current rating up to 850A.

PCB Terminal Blocks					
Wire Protector System	Rising Clamp System	Screw Pluggable System	Spring Clamp Pluggable System	Spring Clamp System	Barrier Terminal Blocks
<ul style="list-style-type: none"> • 2.50mm to 19.00mm pitch; 2-24 positions • Current rating up to 30A; 26-22AWG 	<ul style="list-style-type: none"> • 2.54mm to 19.00mm pitch; 2-48 positions • Current rating up to 125A; 30-18AWG 	<ul style="list-style-type: none"> • 3.50mm to 15.00mm pitch; 2-24 positions • Current rating up to 125A; 30-20AWG 	<ul style="list-style-type: none"> • 3.50mm to 15.00mm pitch; 2-48 positions • Current rating up to 125A; 30-20AWG 	<ul style="list-style-type: none"> • 2.50mm to 20.00mm pitch; 2-48 positions • Current rating up to 76A; 22-6AWG 	<ul style="list-style-type: none"> • 7.62mm to 16.00mm pitch; 2-30 positions • Current rating up to 20A; 22-6AWG
DIN Rail Terminal Blocks					
Screw Terminal Blocks	Spring Clamp	Pluggable Terminal Blocks	Universal Terminal Blocks	Power Terminal Blocks	Interface Modules
<ul style="list-style-type: none"> • Conductor sizes from 2.50mm² to 95.00mm² • Current rating up to 232A 	<ul style="list-style-type: none"> • Conductor sizes from 2.50mm² to 10.00mm² • Current rating up to 57A 	<ul style="list-style-type: none"> • Conductor sizes from 2.50mm² to 10.00mm² • Current rating up to 24A 	<ul style="list-style-type: none"> • Conductor sizes from 2.50mm² to 4.00mm² • Current rating up to 25A 	<ul style="list-style-type: none"> • Conductor sizes from 2.50mm² to 240.00mm² • Current rating up to 850A 	<ul style="list-style-type: none"> • Enables additional electronic components into a rail-mounted printed board assembly

FLEX CONNECTORS



Pitch
0.20mm
0.21mm
0.30mm
0.40mm
0.50mm
1.00mm
2.54mm

AFCI's range of flex connectors feature the most innovative and complete range of products in the industry. They are ideal for applications in data communications equipment such as switches, routers, servers and consumer electronics which includes mobile phones, wearable devices and car multimedia applications.

Available in front flip, back flip, or slider configurations with Low Insertion Force (LIF) or Zero Insertion Force (ZIF) models, the connectors are available in heights of 5.30mm down to 0.70mm. It features top and bottom contact options, vertical and right angle orientations, surface mount and through hole terminations. Contact pitches range from 2.54mm down to 0.20mm.

Flex connectors now provides an option of an FFC/FPC connector below 1mm in height. These features combine to insure your application has the highest connection quality possible.

AFCI's flex connectors have an insulation resistance of 50M and can withstand soldering temperatures up to 240°C. The housings are end-to-end stackable. Additional features include robust cable locking, passive latching, anti-reverse and anti-mismatch. Halogen-free options are also available.

0.20mm Pitch	0.21mm Pitch	0.30mm Pitch	0.40mm Pitch
<ul style="list-style-type: none"> • XL-D • 11 and 29 contacts • ZIF (FF) • 0.90mm height 	<ul style="list-style-type: none"> • HFMK • 16 contacts • Non-ZIF • 0.50mm height 	<ul style="list-style-type: none"> • High Speed FPC (10Gb/s); YLL-D; YLL-U • High Speed FPC-40 contacts; YLL-D-13 to 51 contacts; YLL-U-15 to 41 contacts • ZIF (FF), Non-ZIF (FF) • 0.90mm height 	<ul style="list-style-type: none"> • SFGL • ZIF (BF) • 9 and 18positions • 0.90mm height
0.50mm Pitch	1.00mm Pitch	2.54mm Pitch	
<ul style="list-style-type: none"> • OPU-D; OPU-U; SFVE; SFVL-D; SFVL-U; SFV-R; SFV-S; VHC; VLH; VLL; VLP • 4 to 70 contacts • ZIF (SL/BF/FF) • 0.70 to 4.10mm height 	<ul style="list-style-type: none"> • SFW-S; HFW-S; SFW-R; HFW-R; SLW-R; SLW-S; HLW-R; HLW-S • 4 to 30 contacts • ZIF (SL), Non-ZIF • 1.90 to 5.90mm height 	<ul style="list-style-type: none"> • Clincher™; Duflex™ • 2 to 36 contacts • Clincher™ family includes single-row pin and receptacle connectors designed for termination to flat flexible circuitry • Duflex™ connector combines the advantage of the well proven Dubox® receptacle with the assembly speed of IDC termination techniques 	<p>Legend</p> <p>SL: Slider action</p> <p>FF: Front side flip</p> <p>BF: Back side flip</p>

▶ PRODUCT APPLICATION OVERVIEW

PRODUCT CATEGORIES

MARKETS & APPLICATIONS

	DATA					COMMUNICATION			INDUSTRIAL INSTRUMENTATION & MEDICAL			CONSUMER		AUTOMOTIVE				
	Rack Mount Server	Blade Server	Storage Server	Storage Drives	Printers	Switches/Routers Access/Transmission	Wireless Base Station	Wireless Technology Premises Equipment	Business & Retail Equipment	Industrial Control Equipment	Instrumentation & Medical	Lighting	Home Entertainment Equipment	Mobile Devices	Mobile/Smart Phones	Vehicle Telematics	Electric Vehicle	Lighting
BACKPLANE CONNECTORS																		
High Speed Backplane																		
	AirMax VS® (up to 12.5Gb/s)	●	●	●		●	●	●	●	●	●							
	AirMax VS2® (up to 20Gb/s)	●	●	●		●	●	●	●	●	●							
	AirMax VSe® (up to 25Gb/s)	●	●	●		●	●	●	●	●	●							
NEW	ExaMAX® (up to 56Gb/s)	●	●	●		●	●	●	●	●	●							
NEW	ExaMAX® VS (up to 25Gb/s)	●	●	●		●	●	●	●	●	●							
	Xcede® & Xcede® HD (up to 25Gb/s)	●	●	●		●	●	●	●	●	●							
	ZipLine® (up to 12.5Gb/s)	●	●	●		●	●	●	●	●	●							
High Speed Coplanar																		
	AirMax VS® (up to 12.5Gb/s)	●	●	●	●	●	●	●	●	●	●							
	AirMax VS2® (up to 20Gb/s)	●	●	●	●	●	●	●	●	●	●							
	AirMax VSe® (up to 25Gb/s)	●	●	●	●	●	●	●	●	●	●							
NEW	ExaMAX® Coplanar (up to 56Gb/s)	●	●	●	●	●	●	●	●	●	●							
	ZipLine® (up to 12.5Gb/s)	●	●	●	●	●	●	●	●	●	●							
High Speed Orthogonal																		
	AirMax VS® (up to 12.5Gb/s)		●	●		●	●	●	●	●	●							
NEW	ExaMAX® Direct-Mate Orthogonal (up to 56Gb/s)		●	●		●	●	●	●	●	●							
NEW	ExaMAX® Midplane Orthogonal (up to 56Gb/s)		●	●		●	●	●	●	●	●							
	ZipLine® (up to 12.5Gb/s)		●	●		●	●	●	●	●	●							
High Speed Card Edge																		
	MicroTCA	●	●	●	●	●	●	●	●	●	●							
High Speed Mezzanine																		
	AirMax VS® (up to 12.5Gb/s)	●	●	●		●	●	●	●	●	●							
NEW	ExaMEZZ® (up to 56Gb/s)	●	●	●		●	●	●	●	●	●	●						
	GIG-Array® (up to 10Gb/s)	●	●	●	●	●	●	●	●	●	●	●						
	InfinX™ (up to 25Gb/s)	●	●	●	●	●	●	●	●	●	●	●						
	MEG-Array® (up to 25Gb/s)	●	●	●	●	●	●	●	●	●	●	●						
	TwinMezz® (up to 12.5Gb/s)	●	●	●	●	●	●	●	●	●	●	●						
	ZipLine® (up to 12.5Gb/s)		●	●		●	●	●	●	●	●							
2.00mm Backplane																		
	Metral® (up to 5Gb/s)	●	●	●		●	●	●	●	●	●							
	Metral® High Speed (up to 10Gb/s)	●	●	●		●	●	●	●	●	●							
	Millipacs® Hard Metric (up to 5Gb/s)	●	●	●	●	●	●	●	●	●	●							
NEW	Millipacs® High Speed (up to 10Gb/s)	●	●	●		●	●	●	●	●	●							
2.54mm Backplane																		
	DIN 41612	●	●	●		●	●	●	●	●	●							
	High Pin Count (HPC)	●	●	●		●	●	●	●	●	●							
Accessories																		
	Mechanical Guidance Modules	●	●	●		●	●	●	●	●	●							
	Metral® Accessories	●	●	●		●	●	●	●	●	●							
	Millipacs® Accessories	●	●	●	●	●	●	●	●	●	●							
	Power Connector Modules	●	●	●		●	●	●	●	●	●							

▶ PRODUCT APPLICATION OVERVIEW

PRODUCT CATEGORIES

MARKETS & APPLICATIONS

	DATA					COMMUNICATION			INDUSTRIAL INSTRUMENTATION & MEDICAL			CONSUMER			AUTOMOTIVE			
	Rack Mount Server	Blade Server	Storage Server	Storage Drives	Printers	Switches/Routers Access/Transmission	Wireless Base Station	Wireless Technology Premises Equipment	Business & Retail Equipment	Industrial Control Equipment	Instrumentation & Medical	Lighting	Home Entertainment Equipment	Mobile Devices	Mobile/Smart Phones	Vehicle Telematics	Electric Vehicle	Lighting
POWER SOLUTIONS																		
1-Piece Card Edge																		
HPCE® High Power Card Edge (up to 30A)	●	●	●			●	●		●	●	●							
PCE Power Card Edge (up to 7A)	●	●	●			●			●									
2-Piece Card Edge																		
HCI® (up to 113A)	●	●	●			●	●			●	●							
HPCE® High Power Card Edge (up to 30A)	●	●	●			●	●		●	●	●							
NEW PwrBlade ULTRA® (up to 75A)	●	●	●	●		●	●	●	●	●	●							
NEW PwrBlade+™ (up to 63A)	●	●	●			●	●			●	●							
PwrBlade® (up to 40A)	●	●	●			●	●			●	●							
Pwr LoPro® (up to 70A)	●	●	●			●	●			●	●							
Low Power I/O																		
D-Sub Power (up to 40A)	●	●	●	●		●	●	●			●	●						
Jumbo PV (up to 7A)	●	●	●	●		●				●	●	●				●		
Mini PV (up to 3A)	●	●	●	●		●				●	●	●				●		
Minitek® Pwr 3.0 (up to 5A)	●	●	●	●			●	●	●	●	●	●						
Minitek® Pwr 4.2 (up to 9A)	●	●	●	●			●	●	●	●	●	●						
NEW Minitek® Pwr High Current Connector 3.0 (up to 12.5A)	●	●	●	●			●	●	●	●	●	●						
NEW Minitek® Pwr High Current Connector 4.2 (up to 13.5A)	●			●				●	●	●	●							
NEW Minitek® Pwr Hybrid 3.0 (up to 5A)	●			●				●	●	●	●							
NEW Minitek® Pwr Hybrid 4.2 (up to 9A)	●			●				●	●	●	●							
Sofix® Power	●	●	●	●		●					●							
USB+ Power	●	●	●			●			●									
Medium & High Power I/O																		
NEW BarKlip® (up to 300A)	●	●	●			●	●			●	●						●	
HPCE® High Power Card Edge (up to 30A)	●	●	●			●	●		●	●	●							
NEW Perma-Tap™ Power Cable (up to 40A)			●	●		●	●			●							●	
NEW PwrBlade+™ (up to 63A)	●	●	●			●	●			●	●							
PwrBlade® (up to 40A)	●	●	●			●	●			●	●							
Pwr Profile+® (up to 34A)	●	●	●			●	●			●	●							
Pwr Profile® (up to 20A)	●	●	●			●	●			●	●							
NEW Pwr TwinBlade® (up to 100A)	●	●	●			●	●			●	●							
Busbar Connector																		
NEW BarGuide™ (up to 250A)	●	●	●			●	●			●	●						●	
NEW BarKlip® (up to 300A)	●	●	●			●	●			●	●						●	
Busbar Power Distribution																		
Busbars	●	●	●			●	●			●	●						●	
Low Power Connector																		
Metral® Power (up to 3A)	●	●	●	●		●	●	●	●	●	●							
PCB Terminal Blocks (up to 20A)						●	●	●	●	●	●	●						
PCE Power Card Edge (up to 7A)	●	●	●			●			●									
Medium & High Power Connector																		
AirMax VS® Power (up to 30A)	●	●	●	●		●	●	●	●	●	●							
NEW BarGuide™ (up to 250A)	●	●	●			●	●			●	●						●	
NEW BarKlip® (up to 300A)	●	●	●			●	●			●	●						●	
D-Sub Power (up to 40A)	●	●	●	●		●	●	●	●	●	●	●						
NEW DIN Rail Terminal Blocks (up to 850A)						●	●	●	●	●	●							
HCI® (up to 113A)	●	●	●			●	●		●	●	●							
HPCE® High Power Card Edge (up to 30A)	●	●	●			●	●		●	●	●							
PCB Terminal Blocks (up to 50A)						●	●	●	●	●	●	●						
NEW PwrBlade ULTRA® (up to 75A)	●	●	●	●		●	●	●	●	●	●							
PwrBlade+™ (up to 63A)	●	●	●			●	●			●	●							
PwrBlade® (up to 40A)	●	●	●			●	●			●	●							
NEW PwrMAX® Ortho (up to 100A)	●	●	●			●	●			●	●						●	

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	DATA					COMMUNICATION			INDUSTRIAL INSTRUMENTATION & MEDICAL				CONSUMER			AUTOMOTIVE		
	Rack Mount Server	Blade Server	Storage Server	Storage Drives	Printers	Switches/Routers Access/Transmission	Wireless Base Station	Wireless Technology Premises Equipment	Business & Retail Equipment	Industrial Control Equipment	Instrumentation & Medical	Lighting	Home Entertainment Equipment	Mobile Devices	Mobile/Smart Phones	Vehicle Telematics	Electric Vehicle	Lighting
BOARD-TO-BOARD CONNECTORS																		
0.50mm Pitch																		
NEW BergStak®					●				●	●	●		●	●	●			
MezzoStak®					●				●	●	●							
0.80mm Pitch																		
BergStak®						●	●	●	●	●	●							
1.00mm Pitch																		
BTFW Series Floating BTB									●				●	●			●	
Conan®									●	●	●			●			●	
1.27mm Pitch																		
Minitek127®					●	●	●		●	●	●						●	
Phec Series									●	●	●		●	●			●	
Rib-Cage®									●	●	●						●	
2.00mm Pitch																		
Minitek® 2.00mm					●	●	●		●	●	●						●	
2.54mm Pitch																		
BergStik®					●	●	●	●	●	●	●	●					●	
Dubox®					●	●	●	●	●	●	●	●					●	
EconoStik™					●	●	●	●	●	●	●	●					●	
PV®					●	●	●	●	●	●	●	●					●	
3.00mm Pitch																		
RotaConnect® Rotatable BTB										●	●	●						
Universal Contacts																		
Universal Contacts							●			●	●	●		●	●		●	

WIRE-TO-BOARD CONNECTORS

1.20mm Pitch																		
1.20mm pitch WTB														●			●	
1.25mm Pitch																		
1.25mm pitch WTB					●	●	●		●	●	●						●	
1.27mm Pitch																		
NEW Minitek MicroSpace™ 1.27mm Crimp-To-Wire												●					●	●
Minitek127®					●	●	●		●	●	●						●	
1.50mm Pitch																		
NEW Minitek® 1.5mm					●	●	●		●	●	●						●	
NEW Minitek MicroSpace™ 1.5mm Crimp-To-Wire												●					●	●
2.54mm Pitch																		
Latch-n-Lok™ Crimp						●			●	●	●							
PV® Crimp	●	●	●	●		●				●	●		●				●	
Quickie® IDC	●	●	●	●		●			●	●	●		●				●	
3.00mm Pitch																		
Minitek® Pwr 3.0 (also suitable for Wire-to-Wire application)	●	●	●	●			●	●	●	●	●	●	●					
NEW Minitek® Pwr High Current Connector 3.0 (also suitable for Wire-to-Wire application)	●	●	●	●			●	●	●	●	●	●	●					
NEW Minitek® Pwr Hybrid 3.0 (also suitable for Wire-to-Wire application)	●			●				●	●	●	●							
NEW RotaConnect® WTB										●	●	●						
4.20mm Pitch																		
Minitek® Pwr 4.2 (also suitable for Wire-to-Wire application)	●	●	●	●			●	●	●	●	●	●	●					
NEW Minitek® Pwr High Current Connector 4.2 (also suitable for Wire-to-Wire application)	●			●				●	●	●	●							
NEW Minitek® Pwr Hybrid 4.2 (also suitable for Wire-to-Wire application)	●			●				●	●	●	●							
Griplet®																		
NEW Griplet® Miniature IDC Connector										●	●	●					●	

▶ PRODUCT APPLICATION OVERVIEW

PRODUCT CATEGORIES

MARKETS & APPLICATIONS

	DATA					COMMUNICATION			INDUSTRIAL INSTRUMENTATION & MEDICAL				CONSUMER		AUTOMOTIVE			
	Rack Mount Server	Blade Server	Storage Server	Storage Drives	Printers	Switches/Routers Access/Transmission	Wireless Base Station	Wireless Technology Premises Equipment	Business & Retail Equipment	Industrial Control Equipment	Instrumentation & Medical	Lighting	Home Entertainment Equipment	Mobile Devices	Mobile/Smart Phones	Vehicle Telematics	Electric Vehicle	Lighting
CABLE ASSEMBLIES																		
Backplane I/O																		
AirMax VS® I/O (up to 12.5Gb/s)	●	●	●			●	●			●	●							
AirMax VS2® I/O (up to 20Gb/s)	●	●	●			●	●			●	●							
AirMax VSe® I/O (up to 25Gb/s)	●	●	●			●	●			●	●							
DIN 41612 (up to 5Gb/s)	●	●	●							●								
NEW ExaMAX® I/O (up to 40Gb/s)	●	●	●			●	●			●	●							
NEW Metral® HDXS Cable (up to 5Gb/s)						●		●			●							
Millipacs® Cable (up to 5Gb/s)						●	●	●	●	●	●							
High Speed I/O																		
CXP Copper (up to 14Gb/s per channel)	●		●			●	●											
Densi-Shield® I/O (up to 2.5Gb/s per channel)	●		●			●	●											
Mini-SAS HD Copper (up to 14Gb/s per channel)	●	●	●			●	●	●										
Mini-SAS/ SATA Copper (up to 6Gb/s per channel)	●		●			●												
QSFP+ Copper (up to 28Gb/s per channel)	●	●	●			●	●	●		●								
NEW SFP+ Copper (up to 25Gb/s per channel)	●	●	●			●	●	●		●	●							
Crimp-to-Wire Solution																		
1.20mm pitch WTB														●		●		
1.25mm pitch WTB					●	●	●		●	●	●					●		
Dubox®					●	●	●	●	●	●	●					●		
NEW Minitek MicroSpace™ 1.27mm Crimp-To-Wire									●	●	●	●				●		
NEW Minitek® 1.50mm					●	●	●		●	●	●					●		
NEW Minitek MicroSpace™ 1.5mm Crimp-To-Wire									●	●	●	●				●		
Minitek® 2.00mm					●	●	●		●	●	●					●		
Minitek® Pwr 3.0 (for Wire-to-Wire application)	●	●	●	●			●	●	●	●	●	●	●					
Minitek® Pwr 4.2 (for Wire-to-Wire application)	●	●	●	●			●	●	●	●	●	●	●					
PV® Crimp	●	●	●	●		●			●	●	●		●			●		
I/O Solution																		
NEW CAT 6A SFTP Patch Cable	●	●	●			●	●		●	●	●							
D-Sub Cable Connector						●			●	●	●							
Latch-n-Lok™ Crimp						●			●	●	●							
IDC Solution																		
Minitek127®					●	●	●		●	●	●					●		
Minitek® 2.00mm					●	●	●		●	●	●					●		
Quickie® IDC	●	●	●	●		●			●	●	●		●			●		
Power Cables																		
HPCE® High Power Card Edge (up to 30A)	●	●	●			●	●		●	●	●							
NEW PwrBlade+™ (up to 63A)	●	●	●			●	●			●	●							
PwrBlade® (up to 40A)	●	●	●			●	●			●	●							
Pwr Profile+® (up to 34A)	●	●	●			●	●			●	●							
Pwr Profile® (up to 20A)	●	●	●			●	●			●	●							
NEW Pwr TwinBlade® (up to 100A)	●	●	●			●	●			●	●							
Sofix® Power (up to 10A)	●	●	●	●		●					●							
Outdoor I/O																		
NEW OCTIS™ Outdoor I/O System						●	●	●	●	●	●	●				●		

Amphenol FCI

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