



GLOBAL
PRODUCT OVERVIEW

www.amphenol-aipg.com

Global Operations

Amphenol Alden Products (ALDEN)

117 North Main Street
Brockton, MA 02301 | USA
(508) 427-7000
amphenolalden.com

Amphenol Anytek (ANYTEK)

5F-6, No.77, Sec. 1, Xintai 5th Rd., Xizhi
Dist., New Taipei City, 22175 | Taiwan
886-02-26980366-625 | 886-02-26980377
www.anytek.com.tw

Amphenol Australia (AAL)

22 Industry Blvd.
Carrum Downs, Victoria 3201 | Australia
61-3-8796-8888
www.amphenol.com.au

Amphenol Daeshin (ADS)

Songnae-Dong 14, Gyeonggin-ro
133 Beon-gil, Sosa-gu, Bucheon-si,
Gyeonggi-do 14724 | Korea
82-32-610-3800
82-32-673-2507/665-6219
www.amphenol.co.kr

Amphenol DC Electronics, Inc. (ADCE)

1870 Little Orchard Street
San Jose, CA 95125 | USA
1-408-947-4500
www.dcelectronics.com

Amphenol GEC (GEC)

No. 11 Fengxiang Road, New District
Changzhou, Jiangsu 213125 | China
86-519-89819713
www.gecamphenol.com

Amphenol Goldstar Electronic Systems (Baicheng) Co. Ltd (AGSE)

177 Hengwei Road Baicheng, Jinlin
137000 | China
86-436-3667676
www.jinshida.cn

Amphenol Goldstar Electronic Systems (Yulin) Co. Ltd (AGSE)

No. 27 East 2nd Ring Road
Yulin, Guangxi 537001 | China
86-775-5809885
www.jinshida.cn

Amphenol Industrial Operations (AIO)

191 Delaware Avenue
Sidney, NY 13838 | USA
1-888-364-9011 | 1-520-397-7169
www.amphenol-industrial.com

Amphenol Technologies Shenzhen (ATS)

Building C, 2nd Industrial Zone of
Xia Shi Jia Gongming Sub-District,
Guangming New district, Shenzhen
518106 | China
86 0755 29918389 | 86 0755 29918310
www.amphenol-sustainable.com

Amphenol LTW Technology Co. Ltd. (ALTW)

5F-3, No.51, Sec.4, Zhongyang Rd.,
Tucheng Dist.,
New Taipei City 23675 | Taiwan
886-2-77416888
www.amphenolltw.com

Amphenol Oil & Gas Technologies (AOGT)

14505 Torrey Chase Blvd Suite 209
Houston, TX 77014 | USA
1-832-461-1831
www.amphenol-industrial.com

Amphenol PCD Shenzhen (APCD SZ)

Building 21, 1st Liao Keng Industrial
Zone, Shi Yan District, Shenzhen
518108 | China
86-755-8173-8000
www.amphenolpcd.com.cn

Amphenol Sine Systems (SINE)

44724 Morley Drive
Clinton Township, MI 48036 | USA
1-800-394-7732 1-586-465-1216
www.amphenol-sine.com

Amphenol Sine Systems (SINE)

Building 21, 1st Liao Keng Industrial
Zone, Shi Yan District, Shenzhen 518108
China
86-592-593-6666 | 86-592-593-1111
www.amphenol-sine.com

Amphenol Technical Products International (ATPI)

2110 Notre Dame Avenue
Winnipeg MB R3H 0K1 | Canada
1-204-697-2222
www.amphenol-tpi.com

Amphenol Tuchel Electronics (ATE)

44724 Morley Drive
Clinton Township, MI 48036 | USA
1-800-394-7732 | 1-586-465-1216
www.amphenol-sine.com

Amphenol Tuchel Industrial GmbH (ATE)

August - Haeusser Strasse 10 74080
Heilbronn | Germany
49-7131-929-0 | 49-7131-929-486
www.amphenol-industrial.de

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

#A Wan An Industrial Park Lanhe Town
Nansha District, Guangzhou 511480
China
86 20 3483 9801
www.amphenol-gasf.com

Amphenol Technology (Zhuhai) Co., Ltd. (ATZ)

No.63, Xinghan Road, Sanzao Town,
Jinwan, Zhuhai, 519040, China
+86-756-398 9725 | +86-756-398 9768
www.amphenol-industrial.com

Note from the CEO

Ladies and Gentlemen,

For over 85 years Amphenol has enjoyed success as the interconnection technology provider of choice to industry-leading companies around the world. One of our key strategic areas of focus has been and is the Industrial market. Our organization works with leading manufacturers across a wide range of applications - including Energy, Transportation, Heavy Equipment, Factory Automation, Medical, Oil & Gas – enabling smarter, faster and better technologies to connect products to customer solutions.

The Industrial market footprint of Amphenol covers over eighteen divisions globally. Our successful expansion into new regions as well as new industrial applications is a direct reflection of our agile, entrepreneurial management team and our unwavering commitment to execute Amphenol's strategies for the benefit of our customers, shareholders and employees.

This product overview highlights our primary Industrial end-markets and our comprehensive portfolio of leading interconnection technologies. It is designed to help you understand Amphenol's capabilities to achieve its high-technology aspirations.

Thank you for partnering with Amphenol. Our entire organization is at your service.



A handwritten signature in black ink, appearing to read 'R. Adam Norwitt'. The signature is fluid and cursive, with a large initial 'R' and a long, sweeping tail.

R. Adam Norwitt

President & CEO, Amphenol Corporation

Expanding the Industrial Presence

Amphenol Corporation is one of the world's largest interconnect manufacturers. Founded in 1932, Amphenol designs, manufactures, and markets electrical, electronic, and fiber optic connectors, interconnect systems, and coaxial and specialty cables.

The market for industrial interconnect technology globally is expanding as the world becomes more modernized. Some of the major driving forces behind this come from the expansion of energy, oil & gas exploration, medical advancements, transportation, and communications. Amphenol's Industrial Products Group (AIPG) combines decades of experience with the latest technology to provide the best solutions in the industry. Our products are engineered and manufactured to the highest degree of quality and sold by a worldwide sales and marketing organization.

Amphenol Industrial Products Group Markets



BATTERY & EV
Pg. 6



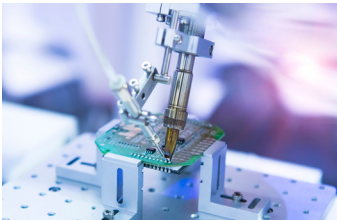
COMMUNICATIONS / SECURITY
Pg. 22



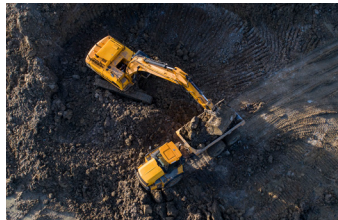
ENERGY
Pg. 32



ENTERTAINMENT / LIGHTING
Pg. 44



FACTORY AUTOMATION
Pg. 52



HEAVY EQUIPMENT
Pg. 68



INDUSTRIAL
Pg. 80



MEDICAL
Pg. 106



OIL AND GAS
Pg. 116



TRANSPORTATION
Pg. 122



**WIRELESS / BROADBAND /
DATA CENTER**
Pg. 140

BATTERY AND ELECTRIC VEHICLES

A progression away from gasoline and towards a new automotive energy market, including Electric Vehicles (EV) has many demanding electrical requirements. The electrical systems used on these 21st century vehicles require higher amperages and voltages, smaller component footprints and more reliable and safer operation. Battery demands for these vehicles and other everyday life technologies has accelerated as well.

With over eighty years of experience in the interconnect industry, Amphenol Industrial Products Group (AIPG) brings its design, manufacturing, and innovation to the Battery & EV markets. As an undisputed global leader of interconnect solutions for harsh environments, AIPG has solutions to solve any technical challenge. Whether it's a new connector design or one of our existing products, an over molded or mechanically terminated cable assembly, complex harness, or complete electrical packaging solution, AIPG has the expertise to satisfy all Battery & EV needs.

GLOBAL OPERATIONS

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol LTW Technology Co. Ltd. (ALTW)

Taiwan | www.amphenolltw.com

Amphenol PCD Shenzhen (APCD SZ)

China | www.amphenolpcd.com.cn

Amphenol Technical Products International (ATPI)

Canada | www.amphenol-tpi.com

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

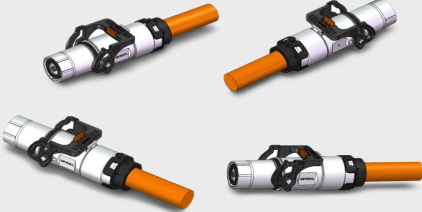

China | www.amphenol-gasf.com

Amphenol Sine Systems (SINE)


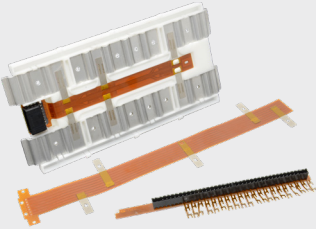

USA & China | www.amphenol-sine.com



BATTERY AND ELECTRIC VEHICLES

Series	450A HV Power Cable Assembly	AHVB
		
Coupling System	Lever Lock	Integral Latch
Contact Positions	1-pole (optional HVIL)	4
Housing Material	Metal	Plastic
AWG	3/0 AWG	18 thru 16 AWG
Contact Current Ratings	up to 410A	5A
IP Ratings	IP67 (mated), IP6K9K (mated)	IP67 mated
Mating Cycles	100 cycles	up to 100k for the contacts
Contact Types	Machined	Machined Crimp, PCB
Business Unit	ATPI	AIO / ATZ

Series	Ampe-Lite™	Ampe-PD™
		
Coupling System	ACME Threads	Integral Latch
Contact Positions	2 to 128	2
Housing Material	Composite	Plastic
AWG	24 thru 10 AWG	12 thru 4 AWG
Contact Current Ratings	5A to 33A	up to 120A
IP Ratings	IP67 / IP69K mated	N/A
Mating Cycles	500+	N/A
Contact Types	Machined Crimp, PCB, Fiber	RADSOK® Crimp, PCB or Busbar
Business Unit	AIO / ATZ	AIO / ATZ

ATHD	Battery Flex	BSM
		
Integral Latch	Connector termination	Floating
Thermoplastic	Any as defined by design	2,10
16 AWG	Polyimide	Metal
35A, 70A	Various as defined by design	0.5 to 25 mm ²
IP67 mated	N/A	100A
100+	Dependant on termination system	IP67, IP6K9K
Machined Crimped	Copper on flex or usable with any variety of SMT or through hole connector systems.	50+
AIO / ATZ	GASF	APCD SZ




Cable Gland	Cable Glands Industrial	Ceres
		
Threaded Coupling	Threaded Coupling	Screw Thread, Lock Bayonet
Thermoplastic	Nylon and Metal	2-31
IP67, IP68	IP65, IP67 and IP68	Thermoplastic
		14 ~ 26AWG
		2A ~ 20A
		IP67 (Unmated & Mated)
		1000+
		PCB, Solder, Crimp, Screw
ALTW	AIO / ATZ	ALTW

BATTERY AND ELECTRIC VEHICLES



Series	ePower	ePower-Lite
		
Coupling System	Press-fit Screw	Integral Latch
Contact Positions	2 to 3	2, 3, 4
Housing Material	Aluminum	Plastic
AWG	4 thru 600 AWG MCM	14 thru 4 AWG
Contact Current Ratings	up to 700A	up to 120A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	N/A	100
Contact Types	RADSOK® Crimp or Busbar	RADSOK® Crimp
Business Unit	AIO / ATZ	AIO / ATZ

Series	EXCEL MATE CC COMBO	EXCEL MATE CC HVCO GB AC
		
Coupling System	Handle lock	Handle lock
Contact Positions	9	7
Housing Material	Plastic	Plastic
AWG	16 to 70 mm ²	2.5 to 6 mm ²
Contact Current Ratings	200A	32A
IP Ratings	IP44	IP55
Mating Cycles	10000+	10000+
Contact Types	Crimp	Crimp
Business Unit	APCD SZ	APCD SZ

EXCEL MATE CC HVCO GB DC	EXCEL MATE CC IEC	EXCEL MATE Eco HVSL280
		
Handle lock	Handle lock	Secondary Lock
9	7	3
Plastic	Plastic	Plastic
16 to 70 mm ²	2.5 to 16 mm ²	2.5 to 4 mm ²
250A	63A	32 A
IP55	IP55	IP68, IP6K9K
10000+	10000+	50+
Crimp	Crimp	Crimp
APCD SZ	APCD SZ	APCD SZ

EXCEL MATE Eco HVSL282	EXCEL MATE Eco HVSL362	EXCEL MATE Eco HVSL364
		
Secondary Lock	Secondary Lock	Secondary Lock
2	3	4
Plastic	Plastic	Plastic
2.5 to 4 mm ²	6 to 16 mm ²	2.5 to 6 mm ²
32 A	80 A	46 A
IP68, IP6K9K	IP68, IP6K9K	IP68, IP6K9K
50+	50+	50+
Crimp	Crimp	Crimp
APCD SZ	APCD SZ	APCD SZ

BATTERY AND ELECTRIC VEHICLES

Series	EXCEL MATE Eco HVSL365	EXCEL MATE Eco HVSL366
		
Coupling System	Secondary Lock	Secondary Lock
Contact Positions	5	6
Housing Material	Plastic	Plastic
AWG	4 to 6 mm ²	4 to 6 mm ²
Contact Current Ratings	40 A	40 A
IP Ratings	IP68, IP6K9K	IP68, IP6K9K
Mating Cycles	50+	50+
Contact Types	Crimp	Crimp
Business Unit	APCD SZ	APCD SZ

Series	EXCEL MATE Eco HVSL600	EXCEL MATE Eco HVSL630
		
Coupling System	Secondary Lock	Secondary Lock
Contact Positions	1	2
Housing Material	Plastic	Plastic
AWG	25mm ²	4 to 6 mm ²
Contact Current Ratings	120A	40 A
IP Ratings	IP68, IP6K9K	IP68, IP6K9K
Mating Cycles	50+	50+
Contact Types	Crimp	Crimp
Business Unit	APCD SZ	APCD SZ




EXCEL MATE Eco HVSL633	EXCEL MATE Max HVSL1200	EXCEL MATE Metal HVSL600
		
Secondary Lock	Secondary Lock	Secondary Lock
3	2	2 to 3
Plastic	Plastic	Metal
2.5 to 6 mm ²	70 to 95 mm ²	16 to 25 mm ²
40 A	350A	120A
IP68, IP6K9K	IP68, IP6K9K	IP68, IP6K9K
50+	50+	50+
Crimp	Crimp	Crimp
APCD SZ	APCD SZ	APCD SZ



EXCEL MATE Metal HVSL800	EXCEL MATE MINI MSD	EXCEL MATE MONO EX402
		
Secondary Lock	Lever latch	Push-pull
2	2	2
Metal	Plastic	Metal
25 to 50 mm ²	25 to 70 mm ²	2.5 to 6 mm ²
180A	170A	40A
IP68, IP6K9K	IP67, IP6K9K	IP68, IP6K9K
50+	50+	200+
Crimp	Crimp	Crimp
APCD SZ	APCD SZ	APCD SZ

BATTERY AND ELECTRIC VEHICLES



Series	EXCEL MATE MONO EX403	EXCEL MATE MONO HVBI
		
Coupling System	Push-pull	Push-pull
Contact Positions	3	1
Housing Material	Metal	Metal
AWG	2.5 to 6 mm ²	16 to 70 mm ²
Contact Current Ratings	40A	250A
IP Ratings	IP68, IP6K9K	IP68, IP6K9K
Mating Cycles	200+	200+
Contact Types	Crimp	Crimp
Business Unit	APCD SZ	APCD SZ



Series	EXCEL MATE MSD XL	EXCEL MATE MSD
		
Coupling System	Lever latch	Lever latch
Contact Positions	2	2
Housing Material	Plastic	Plastic
AWG	25 to 120 mm ²	25 to 70 mm ²
Contact Current Ratings	300A	230A
IP Ratings	IP67, IP6K9K	IP67, IP6K9K
Mating Cycles	50+	50+
Contact Types	Crimp	Crimp
Business Unit	APCD SZ	APCD SZ




EXCEL MATE MSD V	EXCEL MATE MONO HVG	EXCEL MATE Plus HVSL1000
		
Lever latch	Push-pull	SECONDARY LOCK
2	2 to 6	1 to 3
Plastic	Metal	Plastic
25 to 70 mm ²	2.5 to 6 mm ²	25 to 70 mm ²
230A	50A	250A
IP67, IP6K9K	IP68, IP6K9K	IP68, IP6K9K
50+	200+	50+
Crimp	Crimp	Crimp
APCD SZ	APCD SZ	APCD SZ

EXCEL MATE PT HVP B 2A	EXCEL MATE PT HVPC	EXCEL MATE PT HVPC 800
		
Pass through	Screw	Screw
2	1	2
Plastic	Metal	Metal
2.5 to 6 mm ²	35 to 50 mm ²	35 to 50 mm ²
40A	180A	180A
IP68, IP6K9K	IP68, IP6K9K	IP68, IP6K9K
50+	50+	50+
Crimp	Crimp	Crimp
APCD SZ	APCD SZ	APCD SZ

BATTERY AND ELECTRIC VEHICLES


Series	EXCEL MATE PT HVPT	EXCEL MATE PT HVPT B
		
Coupling System	Pass through	Pass through
Contact Positions	1 to 3	2 to 3
Housing Material	Plastic	Plastic
AWG	25 to 70 mm ²	26 to 70 mm ²
Contact Current Ratings		
IP Ratings	IP68, IP6K9K	IP68, IP6K9K
Mating Cycles		
Contact Types	Crimp	Crimp
Business Unit	APCD SZ	APCD SZ

Series	EXCEL MATE S HVSL800	HC Series, Power and Signal Connector
		
Coupling System	Secondary Lock	Lever Lock, Reverse Flange Mount
Contact Positions	2 to 3	26 Signal, 6 Power
Housing Material	Plastic	Thermoplastic
AWG	24 to 50 mm ²	Signal: 22 thru 20 AWG, Power: 18 thru 14 AWG
Contact Current Ratings	180A	Signal: 5A, Power: 13A
IP Ratings	IP68, IP6K9K	IP67, IP6K9K (in mated condition)
Mating Cycles	50+	100 cycles
Contact Types	Crimp	Pin & Socket, Stamped and Formed Crimp
Business Unit	APCD SZ	ATPI

Heater Flex	High Speed Flex	HS-Lok
		
No	Connector termination	Push-Lock
1-2	Any as defined by design	2-6
Polyimide	Polyimide	Thermoplastic
No	Various as defined by design	24 thru 20 AWG
		2A to 5A
N/A	N/A	IP68 unmated & mated
Dependant on termination system	Dependant on termination system	2000+
Copper	Copper on flex or usable with any variety of SMT or through hole connector systems.	Solder
GASF	GASF	ALTW

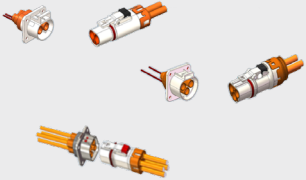


LPT Series	LVRC	MagnaMate™ ATHP Mini
		
Bayonet Coupling	Latch	Integral Latch
4 to 55	26, 35	2
Metal	Plastic	Thermoplastic UL94 VO
22 thru 12 AWG	22 thru 14 AWG	8-14AWG
7.5A to 23A	5 to 13 A	3.5A, 20A, 25A
IP67 mated	IP67 (In mated condition)	IP67 (in mated condition)
500	50 cycles	100 cycles
Machined Crimp, Stamped & Formed Crimp	Crimp	Machined RADSOK®
AIO / ATZ	APCD SZ	SINE

BATTERY AND ELECTRIC VEHICLES

Series	MagnaMate™ ATHP QL	MagnaMate™ ATHP Standard
		
Coupling System	Integral Latch	Integral Latch
Contact Positions	1	2
Housing Material	Thermoplastic UL94 VO	Thermoplastic UL94 VO
AWG	8-14AWG	8-14AWG
Contact Current Ratings	130A, 180A	180A
IP Ratings	IP67 (in mated condition)	IP67 (in mated condition)
Mating Cycles	50 cycles	100 cycles
Contact Types	Machined RADSOK®	Machined RADSOK®
Business Unit	SINE	SINE


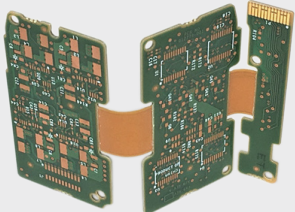
Series	Max-M12	M-Series
		
Coupling System	Threaded Coupling	Threaded Coupling, Snap-in
Contact Positions	3/4/5/8/12	2-17
Housing Material	Metal	Metal, Thermoplastic
AWG	24 thru 16 AWG	26 thru 16 AWG
Contact Current Ratings	4A max	0.5A to 28A
IP Ratings	IP67 mated	IP68 unmated & mated, IP69K
Mating Cycles	100+	1000+
Contact Types	Machined Solder	PCB, Solder, Crimp, IDC, Push-in, Screw
Business Unit	AIO / ATZ	ALTW

OM RADSOK® on Cable & Busbar	Power	PowerLok
		
Bolt Down, Latch, Custom	Threaded Coupling, Lock Bayonet	Latch, Lever Lock
1 - 3, Custom	2-12	1, 2, and 3 Position
Thermoplastic	Thermoplastic	Metal
8 thru 300 MCM AWG	18 thru 10 AWG	8 thru 300 MCM AWG
70A to 400A	8A to 50A	up to 500A
IP2X, IP67, IPx9k, as Required	IP67 unmated & mated	IP2X unmated, IP67 mated
100+	1000+	100+
Machined, Stamped & Formed	Solder, Screw, Crimp	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post
ATPI	ALTW	ATPI

PowerLok 4.0	PowerLok G2	RadLok
		
Latch, Lever Lock	Lever Lock	Pushbutton Latch
2, 3, and 4 Position	1, 2, and 3 position Power w/ HVIL	1
Metal	Aluminum	Thermoplastic
14 thru 8 AWG	2 thru 4/0 AWG	8 thru 300 MCM AWG
up to 60A	up to 450A	70A to 500A
IP2X unmated, IP67 mated	IP67, IP6K9K (in mated condition)	IP2X / IP30 mated
100+	100 cycles	100+
Machined	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post
ATPI	ATPI	ATPI

BATTERY AND ELECTRIC VEHICLES

Series	RBL	RJ
		
Coupling System	Push-Lock with Latch	Threaded Coupling, Lock Bayonet
Contact Positions	2-18	8
Housing Material	Thermoplastic	Thermoplastic
AWG	20 thru 12 AWG	24 AWG
Contact Current Ratings	5A to 20A	2A
IP Ratings	IP67	IP67
Mating Cycles	250+	750+
Contact Types	Solder, Crimp	PCB, Solder
Business Unit	ALTW	ALTW

Series	Sculptured	Standard Flex (Type I-IV)
		
Coupling System	Connector termination	Connector termination
Contact Positions	Any as defined by design	Any as defined by design
Housing Material	Polyimide	Polyimide
AWG	Various as defined by design	Various as defined by design
Contact Current Ratings		
IP Ratings	N/A	N/A
Mating Cycles	Dependant on termination system	Dependant on termination system
Contact Types	Copper on flex or usable with any variety of SMT or through hole connector systems.	Copper on flex or usable with any variety of SMT or through hole connector systems.
Business Unit	GASF	GASF

SurLok Plus™	Tru-Loc®	UPC
		
Compression with Secondary Lock	Integral Latch	Lever Latch
1	24/6	2 to 3
Plastic	Thermoplastic	Plastic
6 thru 3/0 AWG	16 AWG	4 thru 300 AWG MCM
up to 350A	13A	up to 450A
IP67 mated	IP67 mated	IP67 & IP69k mated
N/A	100+	100
RADSOK® Crimp, Busbar, or Threaded Post	Stamped & Formed Crimp (RADSOK®)	RADSOK® Crimp or Busbar
AIO / ATZ	AIO / ATZ	AIO / ATZ

UPT Series	VENT	X-Lok
		
Bayonet Coupling	Threaded Coupling, Snap-In	Push-Lock
7 to 48		2-18
Thermoplastic	Stainless, Metal, Thermoplastic	Thermoplastic
22 thru 12 AWG		24 thru 12 AWG
7.5A to 23A		2A to 20A
IP67 mated	IP68, IP69K	IP68
500		1000+
Machined Crimp, Stamped & Formed Crimp		Solder, Crimp, Screw, Push-in
AIO / ATZ	ALTW	ALTW

BATTERY AND ELECTRIC VEHICLES

Series	USB
	
Coupling System	Threaded Coupling, Lock Bayonet, Snap-In
Contact Positions	4-24
Housing Material	Metal, Thermoplastic
AWG	32 thru 23 AWG
Contact Current Ratings	1A to 5A
IP Ratings	IP67, IP68 unmated & mated
Mating Cycles	USB A/B: 1000 cycles, USB C: 10000 cycles, Micro USB: 10000 cycles
Contact Types	PCB, Solder
Business Unit	ALTW

COMMUNICATIONS AND SECURITY

Amphenol is a world leader in communication products with industry-leading engineering, design and manufacturing expertise. Amphenol offers a broad range of products to service the growing communications market, from customer premises cables and interconnect devices to distribution cable and fiber optic components. Amphenol also has diverse interconnect products deployed on a wide range of equipment from sophisticated head-end equipment to digital set-top boxes, high-speed cable modems, and DBS interface devices. Along with communications products Amphenol connectors and cable assemblies equip CCTV cameras, traffic control and fast deployable homeland security communication networks.

GLOBAL OPERATIONS

Amphenol Industrial Operations (AIO / ATZ)
USA | www.amphenol-industrial.com

Amphenol LTW Technology Co. Ltd. (ALTW)
Taiwan | www.amphenolltw.com

Amphenol Tuchel Electronics (ATE)
USA | www.amphenol-sine.com

Amphenol Anytek (ANYTEK)
Taiwan | www.anytek.com.tw

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)
China | www.amphenol-gasf.com



COMMUNICATIONS AND SECURITY


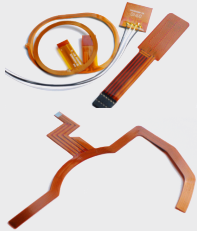
Series	Amphe-Lite	Amphe-Lite M3
		
Coupling System	ACME Threads	ACME Threads
Contact Positions	2 to 128	2 to 128
Housing Material	Composite	Metal
AWG	24 thru 10 AWG	24 thru 10 AWG
Contact Current Ratings	5A to 33A	5A to 33A
IP Ratings	IP67 / IP69K mated	IP67 / IP69K mated
Mating Cycles	500+	500+
Contact Types	Machined Crimp	Machined Crimp
Business Unit	AIO / ATZ	AIO / ATZ


Series	Amphe-PPM	Cable Gland
		
Coupling System	Push-Pull	Threaded Coupling
Contact Positions	2/3/4/5/7/9/12	
Housing Material	Metal	Thermoplastic
AWG	24 thru 14 AWG	
Contact Current Ratings	5A to 13A	
IP Ratings	IP67 mated	IP67, IP68
Mating Cycles	500+	
Contact Types	Machined Solder	
Business Unit	AIO / ATZ	ALTW


Cable Glands Industrial	Cable Joiner	Ceres
		
Threaded Coupling	Threaded Coupling / Snap-In with Latch	Threaded Coupling, Lock Bayonet
	4	2-31
Nylon and Metal	Thermoplastic	Thermoplastic
	16 thru 10 AWG	26 thru 14 AWG
	10A to 30A	2A to 20A
IP65, IP67 and IP68	IP67	IP67 unmated & mated
		1000+
	Crimp	PCB, Solder, Crimp, Screw
AIO / ATZ	ALTW	ALTW




CMB Series	Double Sided Flex - Type II	FICX
		
Bayonet Coupling	Yes	Threaded Coupling
1 to 61	2	2-5
Metal	Polyimide	Thermoplastic
22 thru 12 AWG	Yes	18 thru 12 AWG
7.5A, 23A		8A to 20A
IP67 mated	N/A	IP68
500	Dependant on termination system	
Machined Solder	Copper	Screw
AIO / ATZ	GASF	ALTW

COMMUNICATIONS AND SECURITY


Series	FLO & FLO+	Heater Flex
		
Coupling System	Push-Pull	No
Contact Positions	2-32	1-2
Housing Material	PPS	Polyimide
AWG	26 thru 10 AWG	No
Contact Current Ratings	1.5A to 35A	
IP Ratings	IP50/IP68 (Mated)	N/A
Mating Cycles	5000+	Dependant on termination system
Contact Types	PCB, Solder	Copper
Business Unit	ALTW	GASF

Series	High Speed Flex	HS-Lok
		
Coupling System	Connector termination	Push-Lock
Contact Positions	Any as defined by design	2-6
Housing Material	Polyimide	Thermoplastic
AWG	Various as defined by design	24 thru 20 AWG
Contact Current Ratings		2A to 5A
IP Ratings	N/A	IP68 unmated & mated
Mating Cycles	Dependant on termination system	2000+
Contact Types	Copper on flex or usable with any variety of SMT or through hole connector systems.	Solder
Business Unit	GASF	ALTW

LED Indicator	LPT Series	Micro-B
		
Threaded Coupling	Bayonet Coupling	Bayonet Coupling
	4 to 55	7/10/15
Thermoplastic, Metal	Metal	Metal
	22 thru 12 AWG	24 thru 20 AWG
	7.5A to 23A	5A
IP67	IP67 mated	IP67 mated
	500	500+
Solder	Machined Crimp, Stamped & Formed Crimp	Stamped & Formed Crimp
ALTW	AIO / ATZ	AIO / ATZ

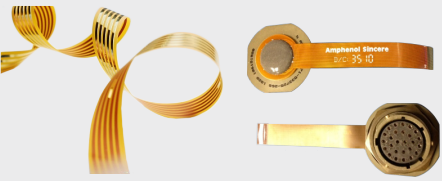
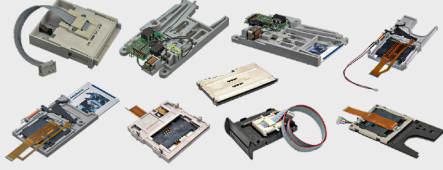
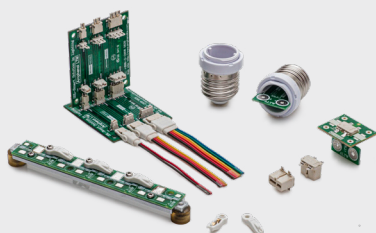
M-Series	Multilayer Flex - Type III	NS Series
		
Threaded Coupling, Snap-in	Yes	
2-17	3-10	1P (Pitch: 5.75)
Metal, Thermoplastic	Polyimide	Thermoplastic
26 thru 16 AWG	Yes	22 thru 18 AWG
0.5A to 28A		7A (150V)
IP68 unmated & mated, IP69K	N/A	
1000+	Dependant on termination system	200+
PCB, Solder, Crimp, IDC, Push-in, Screw	Copper	Push-In Spring
ALTW	GASF	Anytek

COMMUNICATIONS AND SECURITY

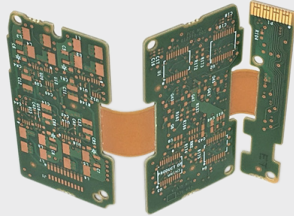

Series	NU Series	NY & OL Series
		
Coupling System		
Contact Positions	1-24P (Pitch: 3.5)	2-24P (Pitch: 3.5)
Housing Material	Thermoplastic	Thermoplastic
AWG	2*(26 thru 20) AWG	22 thru 16 AWG
Contact Current Ratings	2A (300V)	2A (150V)
IP Ratings		
Mating Cycles	200+	200+
Contact Types	Push-In Spring	Push-In Spring
Business Unit	Anytek	Anytek

Series	O-BTS Series	OP Series
		
Coupling System	Bayonet Coupling	
Contact Positions	2* size12	2-24P (Pitch: 3.5, 3.81, 5.0, 5.75, 7.0, 7.62, 8.0, 10.0)
Housing Material	Metal	Thermoplastic
AWG	18 thru 12 AWG	
Contact Current Ratings	26A, 55A	10 to 15A (150 - 300V)
IP Ratings	IP67 mated	
Mating Cycles	100+	200+
Contact Types	Machined Crimp, Machined Set Screw	
Business Unit	AIO / ATZ	Anytek

Power	PT Series	RF
		
Threaded Coupling, Lock Bayonet	Bayonet Coupling	Threaded Coupling
2-12	1 to 61	
Thermoplastic	Metal	Metal
18 thru 10 AWG	22 thru 12 AWG	
8A to 50A	7.5A to 23A	
IP67 unmated & mated	IP67 mated	IP68
1000+	500	500+
Solder, Screw-in, Crimp	Machined Solder, Machined Crimp	Crimp, PCB
ALTW	AIO / ATZ	ALTW

Single Sided Flex - Type I	Smart Card C700	SSL
		
No	Push, Push-Pull, Push-Push, Pushmatic	Threaded Coupling, Snap-In
1	6-20	2-6
Polyimide	Metal & Plastic	Thermoplastic
Yes	28 AWG	22 thru 18 AWG
Up to 100 amps		3A to 12A
N/A		IP68
Dependant on termination system	500,000+	SSL 1.1: 100 cycles, SSL 1.2: 30 cycles, SSL 1.3: 10 cycles, SSL 2.1: 20 cycles, SSL 2.3: 100 cycles
Copper	Chip/Magnetic Stripe	Crimp, Solder, SMT
GASF	ATI	ALTW

COMMUNICATIONS AND SECURITY

Series	Standard Flex (Type I-IV)	TY Series
		
Coupling System	Connector termination	
Contact Positions	Any as defined by design	2-24P (Pitch: 5.0)
Housing Material	Polyimide	Thermoplastic
AWG	Various as defined by design	26 thru 14 AWG
Contact Current Ratings		10A (300V)
IP Ratings	N/A	
Mating Cycles	Dependant on termination system	200+
Contact Types	Copper on flex or usable with any variety of SMT or through hole connector systems.	Screw-Wire Protector Clamp
Business Unit	GASF	Anytek

Series	UPT Series	USB
		
Coupling System	Bayonet Coupling	Threaded Coupling, Lock Bayonet, Snap-In
Contact Positions	7 to 48	4-24
Housing Material	Thermoplastic	Metal, Thermoplastic
AWG	22 thru 12 AWG	32 thru 23 AWG
Contact Current Ratings	7.5A to 23A	1A to 5A
IP Ratings	IP67 mated	IP67, IP68 unmated & mated
Mating Cycles	500	USB A/B: 1000 cycles, USB C: 10000 cycles, Micro USB: 10000 cycles
Contact Types	Machined Crimp, Stamped & Formed Crimp	PCB, Solder
Business Unit	AIO / ATZ	ALTW

VENT	X-Lok
	
Threaded Coupling, Snap-In	Push-Lock
Stainless, Metal, Thermoplastic	2-18
	Thermoplastic
	24 thru 12 AWG
	2A to 20A
IP68, IP69K	IP68
	1000+
	Solder, Crimp, Screw, Push-in
ALTW	ALTW

ENERGY

Amphenol is committed to the energy and power generation industry. We offer products to meet the current and future needs of both traditional and new energy technologies. Amphenol provides a broad range of products for data transfer, control and monitoring, and power distribution. In addition, we can provide customized solutions to meet the needs of the industry. Amphenol is continually developing new technologies to offer the best reliable solutions to the energy market. Our products and services deliver reliability, ease of installation, low loss, and the high signal integrity required for this demanding market.

GLOBAL OPERATIONS

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol Technologies Shenzhen (ATS)

China | www.amphenol-sustainable.com

Amphenol LTW Technology Co. Ltd. (ALTW)

Taiwan | www.amphenolltw.com

Amphenol Anytek (ANYTEK)

Taiwan | www.anytek.com.tw

Amphenol PCD Shenzhen (APCD SZ)

China | www.amphenolpcd.com.cn

Amphenol Tuchel Electronics (ATE)

USA | www.amphenol-sine.com

Amphenol Technical Products International (ATPI)

Canada | www.amphenol-tpi.com

Amphenol Sine Systems (SINE)

USA & China | www.amphenol-sine.com

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

China | www.amphenol-gasf.com



Series	ACA-B and GT Series	Amphe-309
		
Coupling System	Reverse Bayonet Coupling	Threaded Coupling
Contact Positions	1 to 85	2 to 5 Pole
Housing Material	Metal	Valox
AWG	16 thru 4/0 AWG	17 thru 0 AWG
Contact Current Ratings	13A to 250A	16A to 125A
IP Ratings	IP67 mated	IP67
Mating Cycles	2000	1000
Contact Types	Machined Crimp, Solder Crimp, RADSOK® Available	Screw Termination
Business Unit	AIO / ATZ	AOGT



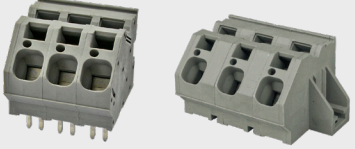
Series	Amphe-PRB Series	ATC Series
		
Coupling System	Reverse Bayonet Coupling	Integral Latch
Contact Positions	3-5	3/5/9
Housing Material	Thermoplastic	Thermoplastic
AWG	12 thru 8 AWG	20 thru 14 AWG
Contact Current Ratings	23A to 70A	13A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	100	100+
Contact Types	Machined Set Screw	Machined Crimped, Stamped & Formed Crimped
Business Unit	AIO / ATZ	AIO / ATZ

Battery Flex	Cable Gland	Cable Glands Industrial
		
Connector termination	Threaded Coupling	Threaded Coupling
Any as defined by design		
Polyimide	Thermoplastic	Nylon and Metal
Various as defined by design		
N/A	IP67, IP68	IP65, IP67 and IP68
Dependant on termination system		
Copper on flex or usable with any variety of SMT or through hole connector systems.		
GASF	ALTW	AIO / ATZ

Cable Joiner	Ceres	D-SUB
		
Threaded Coupling / Snap-In with Latch	Threaded Coupling, Lock Bayonet	Threaded Coupling
4	2-31	9-78
Thermoplastic	Thermoplastic	Thermoplastic, Metal
16 thru 10 AWG	26 thru 14 AWG	26 thru 24 AWG
10A to 30A	2A to 20A	2A to 5A
IP67	IP67 unmated & mated	IP67, IP68
	1000+	500+
Crimp	PCB, Solder, Crimp, Screw	PCB, Solder, Crimp
ALTW	ALTW	ALTW


Series	EI Series	EW & EV Series
		
Coupling System		
Contact Positions	2-10P (Pitch: 15.0)	2-12P (Pitch: 10.16)
Housing Material	Thermoplastic	Thermoplastic
AWG	20 thru 2 AWG	20 thru 6 AWG
Contact Current Ratings	125A (600V)	55A (300V)
IP Ratings		
Mating Cycles		200+
Contact Types	Rising Clamp	Rising Clamp
Business Unit	Anytek	Anytek


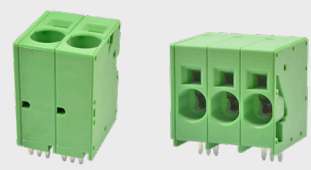
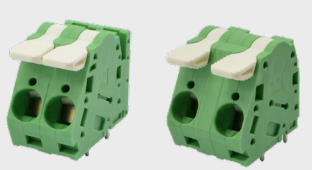
Series	FICX	HC Series, Power and Signal Connector
		
Coupling System	Threaded Coupling	Lever Lock, Reverse Flange Mount
Contact Positions	2-5	26 Signal, 6 Power
Housing Material	Thermoplastic	Thermoplastic
AWG	18 thru 12 AWG	Signal: 22 thru 20 AWG, Power: 18 thru 14 AWG
Contact Current Ratings	8A to 20A	Signal: 5A, Power: 13A
IP Ratings	IP68	IP67, IP6K9K (in mated condition)
Mating Cycles		100 cycles
Contact Types	Screw	Pin & Socket, Stamped and Formed Crimp
Business Unit	ALTW	ATPI


H4 PV Bulkhead Connector Series	H4 PV Cable Connector Series	H8 Series
		
Snap Lock	Snap Lock	
1	1	2-24P (Pitch: 10.0, 15.0, 20.0)
PC	PC	Thermoplastic
14 thru 10 AWG	14 thru 10 AWG	24 thru 6 AWG
25A, 35A, 45A	25A, 35A, 45A	37 to 57A (300 - 600V)
IP68 mated	IP68 mated	
100+	100+	
Machined, Stamped & Formed	Machined, Stamped & Formed	Cage Clamp
AIST	AIST	Anytek


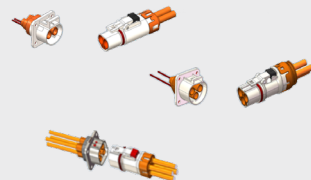
heavymate®	Overmolded PV Fuses	Overmolded PV Junctions
		
Quick Latching	UL Listed Connectors: H4,UTC, MC4, EVO2	UL Listed Connectors: H4,UTC, MC4, EVO2
6-140	1	1
Metal	Thermoplastic	Thermoplastic
28 thru 3/0 AWG	14 thru 8 AWG	14 thru 8 AWG
10A to 300A	1 to 32A (1000/1500V)	50A (1000/1500V)
IP65, 67, 68, 69K mated	IP68	IP68
500+		
Crimp (Turned/Stamped & Formed), Screw, Push-In, Cage Clamp		
ATI	ATPI	ATPI

Series	HVSP	KU & KX Series
		
Coupling System	CPA	
Contact Positions	1	2-10P (Pitch: 15.0)
Housing Material	Plastic	Thermoplastic
AWG	4 thru 2/0 AWG	20 thru 2 AWG
Contact Current Ratings	100 to 250A	115A (600V)
IP Ratings	IP67, IP6K9K	
Mating Cycles	50+	200+
Contact Types	Machined	Rising Clamp
Business Unit	APCD SZ	Anytek

Series	LPT Series	M23 & M40
		
Coupling System	Bayonet Coupling	Metal Threaded & Quick Locking
Contact Positions	4 to 55	6-19 and Hybrid
Housing Material	Metal	Metal
AWG	22 thru 12 AWG	28 thru 8 AWG
Contact Current Ratings	7.5A to 23A	0.5A to 75A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500	500+
Contact Types	Machined Crimp, Stamped & Formed Crimp	Machined
Business Unit	AIO / ATZ	SINE


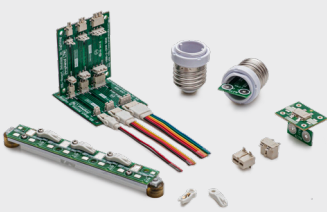

M-Series	NP Series	NZ Series
		
Threaded Coupling, Snap-in		
2-17	2-12P (Pitch: 10.0)	1-12P (Pitch: 10.0, 15.0)
Metal, Thermoplastic	Thermoplastic	Thermoplastic
26 thru 16 AWG	20 thru 8 AWG(SOL), 20 thru 4 AWG(STR)	16 thru 6 AWG
0.5A to 28A	30 to 50A (300 - 600V)	55 to 65A (300 - 600V)
IP68 unmated & mated, IP69K		
1000+		
PCB, Solder, Crimp, IDC, Push-in, Screw	Push-In Spring	Cage Clamp
ALTW	Anytek	Anytek



OM RADSOK® on Cable & Busbar	Overmolded Junction Cable Assembly Series	Power
		
Bolt Down, Latch, Custom	Snap Lock	Threaded Coupling, Lock Bayonet
1 - 3, Custom	1	2-12
Thermoplastic	Thermoplastic	Thermoplastic
8 thru 300 MCM AWG	14 thru 10 AWG	18 thru 10 AWG
70A to 400A	1A to 30A	8A to 50A
IP2X, IP67, IPx9k, as Required	IP68	IP67 unmated & mated
100+	100+	1000+
Machined, Stamped & Formed	Machined, Stamped & Formed	Solder, Screw, Crimp
ATPI	AIST	ALTW


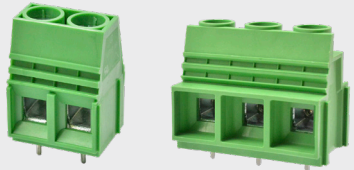
Series	PowerLok	PowerLok 4.0
		
Coupling System	Latch, Lever Lock	Latch, Lever Lock
Contact Positions	1, 2, and 3 Position	2, 3, and 4 Position
Housing Material	Metal	Metal
AWG	8 thru 300 MCM AWG	14 thru 8 AWG
Contact Current Ratings	up to 500A	up to 60A
IP Ratings	IP2X unmated, IP67 mated	IP2X unmated, IP67 mated
Mating Cycles	100+	100+
Contact Types	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	Machined
Business Unit	ATPI	ATPI

Series	PowerLok G2	PV/AC
		
Coupling System	Lever Lock	Snap-In with Latch
Contact Positions	1, 2, and 3 position Power w/ HVIL	3-4
Housing Material	Aluminum	Thermoplastic
AWG	2 thru 4/0 AWG	18 thru 10 AWG
Contact Current Ratings	up to 450A	5A to 19A
IP Ratings	IP67, IP6K9K (in mated condition)	IP67
Mating Cycles	100 cycles	1000+
Contact Types	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	Solder, Crimp
Business Unit	ATPI	ALTW

RadLok	RBL	RF
		
Pushbutton Latch	Push-Lock with Latch	Threaded Coupling
1	2-18	
Thermoplastic	Thermoplastic	Metal
8 thru 300 MCM AWG	20 thru 12 AWG	
70A to 500A	5A to 20A	
IP2X / IP30 mated	IP67	IP68
100+	250+	500+
RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	Solder, Crimp	Crimp, PCB
ATPI	ALTW	ALTW

RJ	SSL	USB
		
Threaded Coupling, Lock Bayonet	Threaded Coupling, Snap-In	Threaded Coupling, Lock Bayonet, Snap-In
8	2-6	4-24
Thermoplastic	Thermoplastic	Metal, Thermoplastic
24 AWG	22 thru 18 AWG	32 thru 23 AWG
2A	3A to 12A	1A to 5A
IP67	IP68	IP67, IP68 unmated & mated
750+	SSL 1.1: 100 cycles, SSL 1.2: 30 cycles, SSL 1.3: 10 cycles, SSL 2.1: 20 cycles, SSL 2.3: 100 cycles	USB A/B: 1000 cycles, USB C: 10000 cycles, Micro USB: 10000 cycles
PCB, Solder	Crimp, Solder, SMT	PCB, Solder
ALTW	ALTW	ALTW

Series	UTX PV Bulkhead Connector Series	UTX PV Cable Connector Series
		
Coupling System	Snap Lock	Snap Lock
Contact Positions	1	1
Housing Material	PPE	PPE
AWG	14 thru 10 AWG	14 thru 10 AWG
Contact Current Ratings	25A, 35A, 45A	25A, 35A, 45A
IP Ratings	IP68 mated	IP68 mated
Mating Cycles	100+	100+
Contact Types	Machined, Stamped & Formed	Machined, Stamped & Formed
Business Unit	AIST	AIST

Series	VENT	VP Series
		
Coupling System	Threaded Coupling, Snap-In	
Contact Positions		2P/3P (Pitch: 10.16, 12.7)
Housing Material	Stainless, Metal, Thermoplastic	Thermoplastic
AWG		20 thru 6 AWG
Contact Current Ratings		65A (300 - 600V)
IP Ratings	IP68, IP69K	
Mating Cycles		
Contact Types		Rising Clamp
Business Unit	ALTW	Anytek

X-Lok	YK Series
	
Push-Lock	
2-18	2-30P (Pitch: 6.35, 7.62, 8.25, 9.5, 9.52, 10.0, 11.0, 11.4, 12.7, 15.0, 16.0, 21.0, 27.5)
Thermoplastic	Thermoplastic
24 thru 12 AWG	22 thru 1/0 AWG
2A to 20A	10 to 150A (150 - 600V)
IP68	
1000+	
Solder, Crimp, Screw, Push-in	Screw Termination
ALTW	Anytek

ENTERTAINMENT AND LIGHTING

Amphenol provides high-performance interconnect solutions, wire and cable, fiber-optic connectors, management equipment, custom assemblies and interconnection products for audio and video applications for the commercial and professional broadcast, entertainment, and lighting markets.

GLOBAL OPERATIONS

Amphenol Australia (AAL)

Australia | www.amphenol.com.au

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol LTW Technology Co. Ltd. (ALTW)

Taiwan | www.amphenolltw.com

Amphenol Sine Systems (SINE)

USA & China | www.amphenol-sine.com



ENTERTAINMENT AND LIGHTING

Series	Amphe-309	Amphe-PRB Series
		
Coupling System	Threaded Coupling	Reverse Bayonet Coupling
Contact Positions	2 to 5 Pole	3-5
Housing Material	Valox	Thermoplastic
AWG	17 thru 0 AWG	12 thru 8 AWG
Contact Current Ratings	16A to 125A	23A to 70A
IP Ratings	IP67	IP67 mated
Mating Cycles	1000	100
Contact Types	Screw Termination	Machined Set Screw
Business Unit	AOGT	AIO / ATZ


Series	Cable Gland	Cable Glands Industrial
		
Coupling System	Threaded Coupling	Threaded Coupling
Contact Positions		
Housing Material	Thermoplastic	Nylon and Metal
AWG		
Contact Current Ratings		
IP Ratings	IP67, IP68	IP65, IP67 and IP68
Mating Cycles		
Contact Types		
Business Unit	ALTW	AIO / ATZ

Cable Joiner	Ceres	Amphe-Dante™
		
Threaded Coupling / Snap-In with Latch	Threaded Coupling, Lock Bayonet	RJ45 / USB / XLR
4	2-31	1-2 channels
Thermoplastic	Thermoplastic	PVC Molded
16 thru 10 AWG	26 thru 14 AWG	
10A to 30A	2A to 20A	
IP67	IP67 unmated & mated	IP41
	1000+	1000
Crimp	PCB, Solder, Crimp, Screw	RJ45, USB, XLR
ALTW	ALTW	AAL

DVI	ecomate® RM High Amperage	Ethernet
		
Threaded Coupling	Metal Bayonet Locking	Integral Latch
19-29	1-3	8
Thermoplastic	Metal	Metal or Thermoplastic
28 AWG	16 thru 3/0 AWG	
1.5A	86A to 300A	1.5A
IP67, IP68	IP67 mated	IP40
100+	500+	1000
PCB	Machined RADSOK®	PCB, Feed-through or IDC
ALTW	SINE	AAL

ENTERTAINMENT AND LIGHTING

Series	FICX	FLO & FLO+
		
Coupling System	Threaded Coupling	Push-Pull
Contact Positions	2-5	2-32
Housing Material	Thermoplastic	PPS
AWG	18 thru 12 AWG	26 thru 10 AWG
Contact Current Ratings	8A to 20A	1.5A to 35A
IP Ratings	IP68	IP50/IP68 (Mated)
Mating Cycles		5000+
Contact Types	Screw	PCB, Solder
Business Unit	ALTW	ALTW

Series	G Series	HDMI
		
Coupling System	Integral Latch	Threaded Coupling, Latch
Contact Positions	3-6	19
Housing Material	Metal or Thermoplastic	Thermoplastic
AWG	28 thru 24 AWG	26 AWG
Contact Current Ratings	1.2A to 5A	0.5A
IP Ratings	IP40	IP67
Mating Cycles	2000 or 5000	500+
Contact Types	Solder or PCB	PCM
Business Unit	AAL	ALTW

HS-Lok	LED Indicator	Loud Speaker
		
Push-Lock	Threaded Coupling	Integral Latch
2-6		2-8
Thermoplastic	Thermoplastic, Metal	Metal or Thermoplastic
24 thru 20 AWG		16 thru 10 AWG
2A to 5A		15A to 30A
IP68 unmated & mated	IP67	IP40
2000+		1000
Solder	Solder	Solder, Screw, PCB or Solder Tab
ALTW	ALTW	AAL

M-Series	Multi-pin	Phone Plugs & Jacks
		
Threaded Coupling, Snap-in	Bayonet Coupling	Push-Pull
2-17	19-150	2-5
Metal, Thermoplastic	Metal	Metal or Thermoplastic
26 thru 16 AWG	20 thru 16 AWG	18 thru 16 AWG
0.5A to 28A	7.5A to 13A	10A
IP68 unmated & mated, IP69K	IP67 mated	IP40
1000+	2000	1000
PCB, Solder, Crimp, IDC, Push-in, Screw	Solder or Crimp	Solder or PCB
ALTW	AAL	AAL

ENTERTAINMENT AND LIGHTING


Series	Power	Power
		
Coupling System	Integral Latch	Threaded Coupling, Lock Bayonet
Contact Positions	2+PE	2-12
Housing Material	Thermoplastic	Thermoplastic
AWG	14 AWG	18 thru 10 AWG
Contact Current Ratings	16A to 25A	8A to 50A
IP Ratings	IP40 thru IP65 mated	IP67 unmated & mated
Mating Cycles	1000	1000+
Contact Types	Screw or Solder Tab	Solder, Screw-in, Crimp
Business Unit	AAL	ALTW

Series	RBL	RCA
		
Coupling System	Push-Lock with Latch	Push-Pull
Contact Positions	2-18	2
Housing Material	Thermoplastic	Metal
AWG	20 thru 12 AWG	14 AWG
Contact Current Ratings	5A to 20A	10A
IP Ratings	IP67	IP00
Mating Cycles	250+	500
Contact Types	Solder, Crimp	Solder
Business Unit	ALTW	AAL

RF	RJ	SSL
		
Threaded Coupling	Threaded Coupling, Lock Bayonet	Threaded Coupling, Snap-In
	8	2-6
Metal	Thermoplastic	Thermoplastic
	24 AWG	22 thru 18 AWG
	2A	3A to 12A
IP68	IP67	IP68
500+	750+	SSL 1.1: 100 cycles, SSL 1.2: 30 cycles, SSL 1.3: 10 cycles, SSL 2.1: 20 cycles, SSL 2.3: 100 cycles
Crimp, PCB	PCB, Solder	Crimp, Solder, SMT
ALTW	ALTW	ALTW

USB	VENT	X-Lok
		
Threaded Coupling, Lock Bayonet, Snap-In	Threaded Coupling, Snap-In	Push-Lock
4-24		2-18
Metal, Thermoplastic	Stainless, Metal, Thermoplastic	Thermoplastic
32 thru 23 AWG		24 thru 12 AWG
1A to 5A		2A to 20A
IP67, IP68 unmated & mated	IP68, IP69K	IP68
USB A/B: 1000 cycles, USB C: 10000 cycles, Micro USB: 10000 cycles		1000+
PCB, Solder		Solder, Crimp, Screw-in, Push-in
ALTW	ALTW	ALTW

ENTERTAINMENT AND LIGHTING

Series	XLR
	
Coupling System	Integral Latch
Contact Positions	3-7
Housing Material	Metal or Thermoplastic
AWG	20 thru 14 AWG
Contact Current Ratings	5A to 15A
IP Ratings	IP40
Mating Cycles	1000
Contact Types	Solder or PCB
Business Unit	AAL

FACTORY AUTOMATION

Factory automation is the use of control systems, as well as, information technology to achieve the most efficient manufacturing processes. It includes a wide range of applications, e.g. motion control, conveyor, robotics, machine tools, and many more. Our interconnect solutions provide highly reliable signal and power transmission for standard connectors and cable assemblies, plus customized versions.

GLOBAL OPERATIONS

Amphenol Daeshin (ADS)

Korea | www.amphenol.co.kr

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol LTW Technology Co. Ltd. (ALTW)

Taiwan | www.amphenolltw.com

Amphenol Anytek (ANYTEK)

Taiwan | www.anytek.com.tw

Amphenol PCD Shenzhen (APCD SZ)

China | www.amphenolpcd.com.cn

Amphenol Tuchel Electronics (ATE)

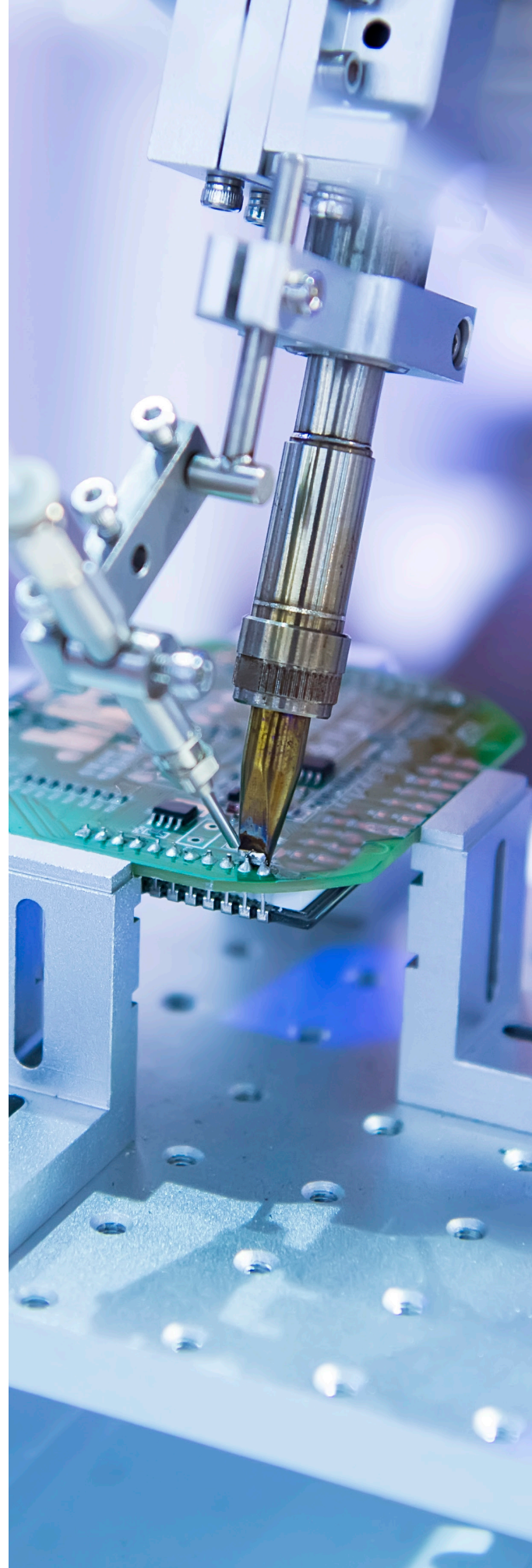
USA | www.amphenol-sine.com

Amphenol Sine Systems (SINE)

USA & China | www.amphenol-sine.com

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

China | www.amphenol-gasf.com



FACTORY AUTOMATION

Series	44 Series Circular	97 Series
		
Coupling System	Push-Pull	Threaded Coupling
Contact Positions	1-6	1 to 52
Housing Material	Thermoplastic Rubber	Metal
AWG	18 thru 14 AWG	20 thru 0 AWG
Contact Current Ratings	8A	13A to 150A
IP Ratings	IP65/67	Not Rated
Mating Cycles	25 Max	500+
Contact Types	Stamped & Formed	Machined Solder, Machined Crimp
Business Unit	ATI	AIO / ATZ

Series	5015	ACA-B and GT Series
		
Coupling System	Threaded Coupling	Reverse Bayonet Coupling
Contact Positions	1-85	1 to 85
Housing Material	Metal	Metal
AWG	16 thru 4/0 AWG	16 thru 4/0 AWG
Contact Current Ratings	13A to 250A	13A to 250A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500	2000
Contact Types	Machined Crimp, Solder Crimp, RADSOK® Available	Machined Crimp, Solder Crimp, RADSOK® Available
Business Unit	AIO / ATZ	AIO / ATZ

Amphe-PD™	Amphe-PPM	Amphe-PRB Series
		
Integral Latch	Push-Pull	Reverse Bayonet Coupling
2	2/3/4/5/7/9/12	3-5
Plastic	Metal	Thermoplastic
12 thru 4 AWG	24 thru 14 AWG	12 thru 8 AWG
up to 120A	5A to 13A	23A to 70A
N/A	IP67 mated	IP67 mated
N/A	500+	100
RADSOK® Crimp, PCB or Busbar	Machined Solder	Machined Set Screw
AIO / ATZ	AIO / ATZ	AIO / ATZ

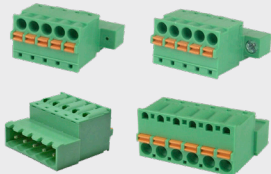
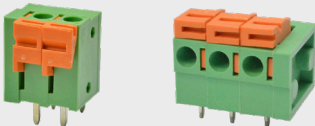
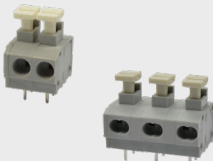
Cable Gland	Cable Glands Industrial	Cable Joiner
		
Threaded Coupling	Threaded Coupling	Threaded Coupling / Snap-In with Latch
		4
Thermoplastic	Nylon and Metal	Thermoplastic
		16 thru 10 AWG
		10A to 30A
IP67, IP68	IP65, IP67 and IP68	IP67
		Crimp
ALTW	AIO / ATZ	ALTW

FACTORY AUTOMATION

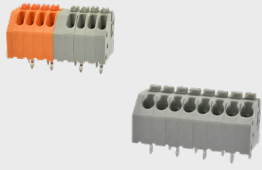

Series	Ceres	CMB Series
		
Coupling System	Threaded Coupling, Lock Bayonet	Bayonet Coupling
Contact Positions	2-31	1 to 61
Housing Material	Thermoplastic	Metal
AWG	26 thru 14 AWG	22 thru 12 AWG
Contact Current Ratings	2A to 20A	7.5A, 23A
IP Ratings	IP67 unmated & mated	IP67 mated
Mating Cycles	1000+	500
Contact Types	PCB, Solder, Crimp, Screw	Machined Solder
Business Unit	ALTW	AIO / ATZ

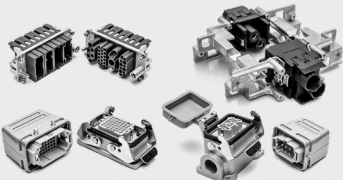
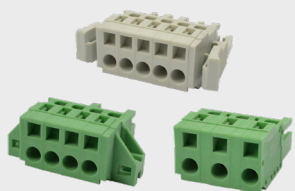
Series	DVI	ecomate® RM High Amperage
		
Coupling System	Threaded Coupling	Metal Bayonet Locking
Contact Positions	19-29	1-3
Housing Material	Thermoplastic	Metal
AWG	28 AWG	16 thru 3/0 AWG
Contact Current Ratings	1.5A	86A to 300A
IP Ratings	IP67, IP68	IP67 mated
Mating Cycles	100+	500+
Contact Types	PCB	Machined RADSOK®
Business Unit	ALTW	SINE

EM Series	FICX	FLO & FLO+
		
2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	Threaded Coupling 2-5	Push-Pull 2-32
Thermoplastic	Thermoplastic	PPS
22 thru 12 AWG	18 thru 12 AWG	26 thru 10 AWG
12A (300V)	8A to 20A	1.5A to 35A
	IP68	IP50/IP68 (Mated)
200+		5000+
Rising Clamp	Screw	PCB, Solder
Anytek	ALTW	ALTW


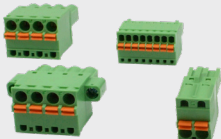

H5 Series	HA Series	HB Series
		
2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	2-24P (Pitch: 2.54, 3.81, 5.0, 5.08, 7.5, 7.62, 10.0)	2-24P (Pitch: 3.81, 3.96, 5.0, 7.5, 10.0)
Thermoplastic	Thermoplastic	Thermoplastic
28 thru 12 AWG	26 thru 14 AWG	24 thru 14 AWG
4 to 10A (300V)	2 to 10A (150 - 300V)	10A (300V)
200+		
Push-In Spring	Push-In Spring	Push-In Spring
Anytek	Anytek	Anytek

FACTORY AUTOMATION

Series	HC Series	HDMI
		
Coupling System		Threaded Coupling, Latch
Contact Positions	2-24P (Pitch: 2.5, 3.5, 7.0)	19
Housing Material	Thermoplastic	Thermoplastic
AWG	26 thru 16 AWG	26 AWG
Contact Current Ratings	2 to 6A (300V)	0.5A
IP Ratings		IP67
Mating Cycles		500+
Contact Types	Push-In Spring	PCB
Business Unit	Anytek	ALTW

Series	heavymate®	HI Series
		
Coupling System	Quick Latching	
Contact Positions	6-140	2-24P (Pitch: 5.0, 7.5, 7.62)
Housing Material	Metal	Thermoplastic
AWG	28 thru 3/0 AWG	28 thru 12 AWG
Contact Current Ratings	10A to 300A	15A (300V)
IP Ratings	IP65, 67, 68, 69K mated	
Mating Cycles	500+	200+
Contact Types	Crimp (Turned/Stamped & Formed), Screw, Push-In, Cage Clamp	Cage Clamp
Business Unit	ATI	Anytek

HQ Series	HR Series	HS Series
		
2*2-2*24P (Pitch: 5.08, 7.62, 10.16)	3*2-3*24P (Pitch: 5.08, 7.62, 10.16)	4*2-4*24P (Pitch: 5.0, 5.08, 7.5, 7.62, 10.0, 10.16)
Thermoplastic	Thermoplastic	Thermoplastic
28 thru 12 AWG	28 thru 12 AWG	28 thru 12 AWG
10A (300V)	10A (300V)	10A (300V)
Cage Clamp	Cage Clamp	Cage Clamp
Anytek	Anytek	Anytek

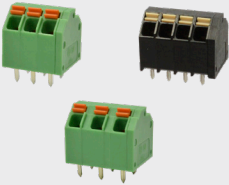
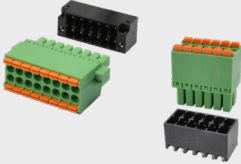
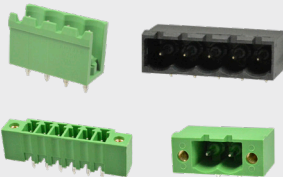
HS-Lok	HW Series	Industrial Terminal Blocks
		
Push-Lock	2-24P (Pitch: 2.5, 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	Screw, Screwless
2-6	Thermoplastic	2-24
Thermoplastic	28 thru 12 AWG	Plastic
24 thru 20 AWG	4 to 10A (150 - 300V)	30 thru 12 AWG
2A to 5A		2.5 to 250A
IP68 unmated & mated		
2000+	200+	50+
Solder	Push-In Spring	Stamped & Formed
ALTW	Anytek	APCD SZ

FACTORY AUTOMATION

Series	KD & KE Series	KZ Series
		
Coupling System		
Contact Positions	2*2-2*24P (Pitch: 3.5, 3.81, 5.0, 5.08)	2-24P (Pitch: 3.5, 5.0)
Housing Material	Thermoplastic	Thermoplastic
AWG	24 thru 14 AWG	26 thru 12 AWG
Contact Current Ratings	5.5 to 12A (160 - 300V)	10 to 15A (300V)
IP Ratings		
Mating Cycles	200+	
Contact Types	Push-In Spring	Screw-Wire Protector Clamp
Business Unit	Anytek	Anytek



Series	LPT Series	M23 & M40
		
Coupling System	Bayonet Coupling	Metal Threaded & Quick Locking
Contact Positions	4 to 55	6-19 and Hybrid
Housing Material	Metal	Metal
AWG	22 thru 12 AWG	28 thru 8 AWG
Contact Current Ratings	7.5A to 23A	0.5A to 75A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500	500+
Contact Types	Machined Crimp, Stamped & Formed Crimp	Machined
Business Unit	AIO / ATZ	SINE


Max-M12	Micro-B	M-Series
		
Threaded Coupling	Bayonet Coupling	Threaded Coupling, Snap-in
3/4/5/8/12	7/10/15	2-17
Metal	Metal	Metal, Thermoplastic
24 thru 16 AWG	24 thru 20 AWG	26 thru 16 AWG
4A max	5A	0.5A to 28A
IP67 mated	IP67 mated	IP68 unmated & mated, IP69K
100+	500+	1000+
Machined Solder	Stamped & Formed Crimp	PCB, Solder, Crimp, IDC, Push-in, Screw
AIO / ATZ	AIO / ATZ	ALTW

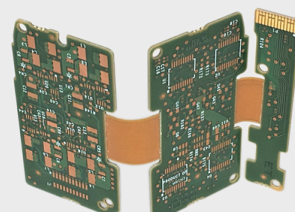

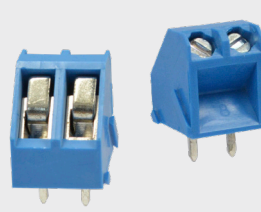
NI Series	NR & NL Series	OQ Series
		
1-24P (Pitch: 3.81, 5.08)	2*2-2*24P (Pitch: 3.5)	2-24P (Pitch: 2.5, 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)
Thermoplastic, PA4T	Thermoplastic, LCP	Thermoplastic, LCP
26 thru 16 AWG	24 thru 16 AWG	4 to 20A (300V)
10A (300V)	5.5A (150 - 300V)	
	200+	200+
Push-In Spring	Push-In Spring	
Anytek	Anytek	Anytek

FACTORY AUTOMATION

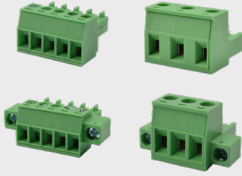
Series	Power	PowerBOSSlite™ M35
		
Coupling System	Threaded Coupling, Lock Bayonet	Metal Threaded
Contact Positions	2-12	3 & 4
Housing Material	Thermoplastic	Overmolded
AWG	18 thru 10 AWG	10 AWG
Contact Current Ratings	8A to 50A	25A, 30A
IP Ratings	IP67 unmated & mated	IP67 mated
Mating Cycles	1000+	500+
Contact Types	Solder, Screw, Crimp	Machined
Business Unit	ALTW	SINE

Series	PowerBOSS™ M40 with CheckMate™	PT Series
		
Coupling System	Metal Quick Connect	Bayonet Coupling
Contact Positions	6	1 to 61
Housing Material	Overmolded	Metal
AWG	8 & 10 AWG	22 thru 12 AWG
Contact Current Ratings	25A, 32A	7.5A to 23A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500+	500
Contact Types	Machined	Machined Solder, Machined Crimp
Business Unit	SINE	AIO / ATZ

RADSOK® GroundMate™	RF	SSL
		
Press-fit	Threaded Coupling	Threaded Coupling, Snap-In
1		2-6
Metal	Metal	Thermoplastic
12 thru 8 AWG		22 thru 18 AWG
180A		3A to 12A
Up to IP65 mated	IP68	IP68
1,000+	500+	SSL 1.1: 100 cycles, SSL 1.2: 30 cycles, SSL 1.3: 10 cycles, SSL 2.1: 20 cycles, SSL 2.3: 100 cycles
Machined RADSOK®	Crimp, PCB	Crimp, Solder, SMT
ATI	ALTW	ALTW

Standard Flex (Type I-IV)	TB & TC Series	TG Series
		
Connector termination		
Any as defined by design	2-24P (Pitch: 5.0, 5.08)	2-24P (Pitch: 5.0, 5.08)
Polyimide	Thermoplastic, PA46	Thermoplastic
Various as defined by design	22 thru 14 AWG	24 thru 12 AWG
	15 to 16A (250V)	10 to 15A (300V)
N/A		
Dependant on termination system		
Copper on flex or usable with any variety of SMT or through hole connector systems.	Screw-Wire Protector Clamp	Rising Clamp
GASF	Anytek	Anytek

FACTORY AUTOMATION

Series	TJ Series	TR Series
		
Coupling System		
Contact Positions	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	1-24P (Pitch: 3.81, 5.0, 7.5, 10.0)
Housing Material	Thermoplastic	Thermoplastic
AWG	28 thru 12 AWG	26 thru 12 AWG
Contact Current Ratings	10 to 20A (300V)	8 to 20A (300V)
IP Ratings		
Mating Cycles	200+	
Contact Types	Rising Clamp	Screw-Wire Protector Clamp
Business Unit	Anytek	Anytek



Series	TS Series	TZ Series
		
Coupling System		
Contact Positions	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	2-24P (Pitch: 3.5, 5.0)
Housing Material	Thermoplastic	LCP
AWG	28 thru 12 AWG	30 thru 14 AWG
Contact Current Ratings	8 to 15A (300V)	6 to 10A (300V)
IP Ratings		
Mating Cycles	200+	
Contact Types	Rising Clamp	Rising Clamp
Business Unit	Anytek	Anytek

UPT Series	USB	V7 Series
		
Bayonet Coupling	Threaded Coupling, Lock Bayonet, Snap-In	
7 to 48	4-24	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)
Thermoplastic	Metal, Thermoplastic	Thermoplastic
22 thru 12 AWG	32 thru 23 AWG	
7.5A to 23A	1A to 5A	4 to 12A (300V)
IP67 mated	IP67, IP68 unmated & mated	
500	USB A/B: 1000 cycles, USB C: 10000 cycles, Micro USB: 10000 cycles	200+
Machined Crimp, Stamped & Formed Crimp	PCB, Solder	
AIO / ATZ	ALTW	Anytek

V8 Series	VENT	VersaBOSS™ VFD Cables
		
	Threaded Coupling, Snap-In	Metal Bayonet Locking
2-24P (Pitch: 3.81, 5.08, 7.62)		9
Thermoplastic	Stainless, Metal, Thermoplastic	Overmolded
30 thru 12 AWG		18 thru 12 AWG
8 to 20A (300V)		20A
	IP68, IP69K	IP67 mated
200+		500+
Rising Clamp		Machined
Anytek	ALTW	SINE

FACTORY AUTOMATION

Series	VI Series	VK Series
		
Coupling System		
Contact Positions	2-24P (Pitch: 5.0, 5.08, 7.5)	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08)
Housing Material	Thermoplastic	Thermoplastic
AWG	28 thru 12 AWG	
Contact Current Ratings	16A (300V)	8 to 15A (300V)
IP Ratings		
Mating Cycles		200+
Contact Types	Rising Clamp	
Business Unit	Anytek	Anytek

Series	VL Series	VM Series
		
Coupling System		
Contact Positions	2*2-2*24P (Pitch: 2.5, 3.5, 3.81, 5.0, 5.08)	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)
Housing Material	Thermoplastic	Thermoplastic
AWG		28 thru 12 AWG
Contact Current Ratings	4 to 20A (150 - 300V)	10 to 12A (300V)
IP Ratings		
Mating Cycles	200+	200+
Contact Types		Rising Clamp
Business Unit	Anytek	Anytek

VN/YO Series	XCEL POWER MATE	X-Lok
		
2-24P (Pitch: 2.54, 3.5, 3.81)	Bayonet 2-5	Push-Lock 2-18
Thermoplastic	Plastic	Thermoplastic
30 thru 16 AWG	14 thru 10 AWG	24 thru 12 AWG
6 to 10A (300V)	10 to 46A	2A to 20A
	IP67 mated	IP68
	500+	1000+
Rising Clamp	Machined	Solder, Crimp, Screw, Push-in
Anytek	APCD SZ	ALTW

YA Series	YQ Series
	
3*2-3*24P (Pitch: 3.81)	2*2-2*24P (Pitch: 3.5, 3.81)
Thermoplastic	Thermoplastic
24 thru 16 AWG	24 thru 16 AWG
10A (150V)	10A (300V)
Rising Clamp	Rising Clamp
Anytek	Anytek

HEAVY EQUIPMENT

As the heavy equipment industry continues to introduce new devices that change the world's landscape, Amphenol is there to bring electrical interconnect and value added design solutions. These solutions allow for highly technical pieces of equipment to operate at the highest level of productivity. The enormous breadth of Amphenol products solve the most difficult of applications which allow our customers to perform in some of the world's harshest environments. Products include harsh environment connectors, power connectors, signal interconnects, high speed connectors, and much more.

GLOBAL OPERATIONS

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol Technologies Shenzhen (ATS)

China | www.amphenol-sustainable.com

Amphenol LTW Technology Co. Ltd. (ALTW)

Taiwan | www.amphenolltw.com

Amphenol Oil & Gas Technologies (AOGT)

USA | www.amphenol-industrial.com

Amphenol PCD Shenzhen (APCD SZ)

China | www.amphenolpcd.com.cn

Amphenol Tuchel Electronics (ATE)

USA | www.amphenol-sine.com

Amphenol Technical Products International (ATPI)

Canada | www.amphenol-tpi.com

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

China | www.amphenol-gasf.com

Amphenol Sine Systems (SINE)

USA & China | www.amphenol-sine.com






HEAVY EQUIPMENT

Series	97 Series	5015
		
Coupling System	Threaded Coupling	Threaded Coupling
Contact Positions	1 to 52	1-85
Housing Material	Metal	Metal
AWG	20 thru 0 AWG	16 thru 4/0 AWG
Contact Current Ratings	13A to 150A	13A to 250A
IP Ratings	Not Rated	IP67 mated
Mating Cycles	500+	500
Contact Types	Machined Solder, Machined Crimp	Machined Crimp, Solder Crimp, RADSOK® Available
Business Unit	AIO / ATZ	AIO / ATZ

Series	ACA-B and GT Series	AHVB
		
Coupling System	Reverse Bayonet Coupling	Integral Latch
Contact Positions	1 to 85	4
Housing Material	Metal	Plastic
AWG	16 thru 4/0 AWG	18 thru 16 AWG
Contact Current Ratings	13A to 250A	5A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	2000	up to 100k for the contacts
Contact Types	Machined Crimp, Solder Crimp, RADSOK® Available	Machined Crimp, PCB
Business Unit	AIO / ATZ	AIO / ATZ

Amphe-EX	Amphe-Lite	Amphe-Lite M3
		
Threaded Coupling	ACME Threads	ACME Threads
2-79	2 to 128	2 to 128
Hard anodized AL or SS316L	Composite	Metal
22 thru 10 AWG	24 thru 10 AWG	24 thru 10 AWG
23A	5A to 33A	5A to 33A
IP67, IP68	IP67 / IP69K mated	IP67 / IP69K mated
500+	500+	500+
Machined Crimp	Machined Crimp	Machined Crimp
AOGT	AIO / ATZ	AIO / ATZ

ASGP	ATC Series	ATHD
		
Latch	Integral Latch	Integral Latch
10	3/5/9	
Metal	Thermoplastic	Thermoplastic
16 thru 500 MCM AWG	20 thru 14 AWG	16 AWG
1 to 500A	13A	35A, 70A
IP67 mated	IP67 mated	IP67 mated
500+	100+	100+
Machined	Machined Crimped, Stamped & Formed Crimped	Machined Crimped
APCD SZ	AIO / ATZ	AIO / ATZ

HEAVY EQUIPMENT

Series	Cable Gland	Cable Glands Industrial
		
Coupling System	Threaded Coupling	Threaded Coupling
Contact Positions		
Housing Material	Thermoplastic	Nylon and Metal
AWG		
Contact Current Ratings		
IP Ratings	IP67, IP68	IP65, IP67 and IP68
Mating Cycles		
Contact Types		
Business Unit	ALTW	AIO / ATZ



Series	Cable Joiner	Ceres
		
Coupling System	Threaded Coupling / Snap-In with Latch	Threaded Coupling, Lock Bayonet
Contact Positions	4	2-31
Housing Material	Thermoplastic	Thermoplastic
AWG	16 thru 10 AWG	26 thru 14 AWG
Contact Current Ratings	10A to 30A	2A to 20A
IP Ratings	IP67	IP67 unmated & mated
Mating Cycles		1000+
Contact Types	Crimp	PCB, Solder, Crimp, Screw
Business Unit	ALTW	ALTW

Double Sided Flex - Type II	D-SUB	DVI
		
Yes	Threaded Coupling	Threaded Coupling
2	9-78	19-29
Polyimide	Thermoplastic, Metal	Thermoplastic
Yes	26 thru 24 AWG	28 AWG
	2A to 5A	1.5A
N/A	IP67, IP68	IP67, IP68
Dependant on termination system	500+	100+
Copper	PCB, Solder, Crimp	PCB
GASF	ALTW	ALTW

ecomate® RM High Amperage	EMP	ePower
		
Metal Bayonet Locking	Screw	Press-fit Screw
1-3	3-6	2 to 3
Metal	Metal	Aluminum
16 thru 3/0 AWG	4 thru 250 MCM AWG	4 thru 600 AWG MCM
86A to 300A	250 to 700A	up to 700A
IP67 mated	IP67 mated	IP67 mated
500+	500+	N/A
Machined RADSOK®	Machined	RADSOK® Crimp or Busbar
SINE	APCD SZ	AIO / ATZ

HEAVY EQUIPMENT

Series	ePower-Lite	FICX
		
Coupling System	Integral Latch	Threaded Coupling
Contact Positions	2, 3, 4	2-5
Housing Material	Plastic	Thermoplastic
AWG	14 thru 4 AWG	18 thru 12 AWG
Contact Current Ratings	up to 120A	8A to 20A
IP Ratings	IP67 mated	IP68
Mating Cycles	100	
Contact Types	RADSOK® Crimp	Screw
Business Unit	AIO / ATZ	ALTW

Series	FLO & FLO+	HC Series, Power and Signal Connector
		
Coupling System	Push-Pull	Lever Lock, Reverse Flange Mount
Contact Positions	2-32	26 Signal, 6 Power
Housing Material	PPS	Thermoplastic
AWG	26 thru 10 AWG	Signal: 22 thru 20 AWG, Power: 18 thru 14 AWG
Contact Current Ratings	1.5A to 35A	Signal: 5A, Power: 13A
IP Ratings	IP50/IP68 (Mated)	IP67, IP6K9K (in mated condition)
Mating Cycles	5000+	100 cycles
Contact Types	PCB, Solder	Pin & Socket, Stamped and Formed Crimp
Business Unit	ALTW	ATPI

HDMI	Heavy Mate	heavymate®
		
Threaded Coupling, Latch	Lever	Quick Latching
19	1-108	6-140
Thermoplastic	Metal	Metal
26 AWG	26 thru 500 MCM AWG	28 thru 3/0 AWG
0.5A	5 to 700A	10A to 300A
IP67	IP65, IP68	IP65, 67, 68, 69K mated
500+	500+	500+
PCB	Machined	Crimp (Turned/Stamped & Formed), Screw, Push-In, Cage Clamp
ALTW	APCD SZ	ATI




HS-Lok	Jumper	LED Indicator
		
Push-Lock	Latch	Threaded Coupling
2-6	216	
Thermoplastic	Metal	Thermoplastic, Metal
24 thru 20 AWG	22 thru 1/0 AWG	
2A to 5A	1 to 100A	
IP68 unmated & mated	IP67 mated	IP67
2000+	500+	
Solder	Machined	Solder
ALTW	APCD SZ	ALTW

HEAVY EQUIPMENT

Series	LPT Series	Max-M12
		
Coupling System	Bayonet Coupling	Threaded Coupling
Contact Positions	4 to 55	3/4/5/8/12
Housing Material	Metal	Metal
AWG	22 thru 12 AWG	24 thru 16 AWG
Contact Current Ratings	7.5A to 23A	4A max
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500	100+
Contact Types	Machined Crimp, Stamped & Formed Crimp	Machined Solder
Business Unit	AIO / ATZ	AIO / ATZ


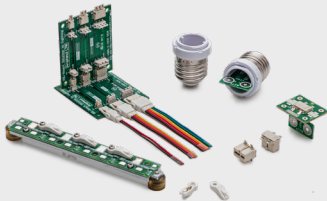
Series	M-Series	OM RADSOK® on Cable & Busbar
		
Coupling System	Threaded Coupling, Snap-in	Bolt Down, Latch, Custom
Contact Positions	2-17	1 - 3, Custom
Housing Material	Metal, Thermoplastic	Thermoplastic
AWG	26 thru 16 AWG	8 thru 300 MCM AWG
Contact Current Ratings	0.5A to 28A	70A to 400A
IP Ratings	IP68 unmated & mated, IP69K	IP2X, IP67, IPx9k, as Required
Mating Cycles	1000+	100+
Contact Types	PCB, Solder, Crimp, IDC, Push-in, Screw	Machined, Stamped & Formed
Business Unit	ALTW	ATPI


Power	PowerLok	PowerLok 4.0
		
Threaded Coupling, Lock Bayonet	Latch, Lever Lock	Latch, Lever Lock
2-12	1, 2, and 3 Position	2, 3, and 4 Position
Thermoplastic	Metal	Metal
18 thru 10 AWG	8 thru 300 MCM AWG	14 thru 8 AWG
8A to 50A	up to 500A	up to 60A
IP67 unmated & mated	IP2X unmated, IP67 mated	IP2X unmated, IP67 mated
1000+	100+	100+
Solder, Screw, Crimp	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	Machined
ALTW	ATPI	ATPI

PowerLok G2	RadLok	RBL
		
Lever Lock	Pushbutton Latch	Push-Lock with Latch
1, 2, and 3 position Power w/ HVIL	1	2-18
Aluminum	Thermoplastic	Thermoplastic
2 thru 4/0 AWG	8 thru 300 MCM AWG	20 thru 12 AWG
up to 450A	70A to 500A	5A to 20A
IP67, IP6K9K (in mated condition)	IP2X / IP30 mated	IP67
100 cycles	100+	250+
RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	Solder, Crimp
ATPI	ATPI	ALTW

HEAVY EQUIPMENT

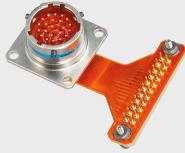

Series	RF	RJ
		
Coupling System	Threaded Coupling	Threaded Coupling, Lock Bayonet
Contact Positions		8
Housing Material	Metal	Thermoplastic
AWG		24 AWG
Contact Current Ratings		2A
IP Ratings	IP68	IP67
Mating Cycles	500+	750+
Contact Types	Crimp, PCB	PCB, Solder
Business Unit	ALTW	ALTW

Series	Sculptured	SSL
		
Coupling System	No	Threaded Coupling, Snap-In
Contact Positions	1	2-6
Housing Material	Polyimide	Thermoplastic
AWG	Yes	22 thru 18 AWG
Contact Current Ratings		3A to 12A
IP Ratings	N/A	IP68
Mating Cycles	Dependant on termination system	SSL 1.1: 100 cycles SSL 1.2: 30 cycles SSL 1.3: 10 cycles SSL 2.1: 20 cycles SSL 2.3: 100 cycles
Contact Types	Copper	Crimp, Solder, SMT
Business Unit	GASF	ALTW

Standard Flex (Type I-IV)	Star-Line	Tru-Loc®
		
Connector termination	Threaded Coupling	Integral Latch
Any as defined by design	1 - 143	24/6
Polyimide	Hard anodized AL or SS316L	Thermoplastic
Various as defined by design	18 AWG thru 777 MCM	16 AWG
N/A	1500A	13A
Dependant on termination system	IP67, IP68	IP67 mated
Copper on flex or usable with any variety of SMT or through hole connector systems.	500+	100+
	Machined Solder, Crimp, Set Screw, RADSOK® Available	Stamped & Formed Crimp (RADSOK®)
GASF	AOGT	AIO / ATZ

UPC	UPT Series	USB
		
Lever Latch	Bayonet Coupling	Threaded Coupling, Lock Bayonet, Snap-In
2 to 3	7 to 48	4-24
Plastic	Thermoplastic	Metal, Thermoplastic
4 thru 300 AWG MCM	22 thru 12 AWG	32 thru 23 AWG
up to 450A	7.5A to 23A	1A to 5A
IP67 & IP69k mated	IP67 mated	IP67, IP68 unmated & mated
100	500	USB A/B: 1000 cycles USB C: 10000 cycles Micro USB: 10000 cycles
RADSOK® Crimp or Busbar	Machined Crimp, Stamped & Formed Crimp	PCB, Solder
AIO / ATZ	AIO / ATZ	ALTW

HEAVY EQUIPMENT

Series	Value Added Flexible Printed Circuits	VENT
		
Coupling System		Threaded Coupling, Snap-In
Contact Positions	1-16	
Housing Material	Polyimide	Stainless, Metal, Thermoplastic
AWG		
Contact Current Ratings	Up to 100 amps	
IP Ratings	N/A	IP68, IP69K
Mating Cycles	Dependant on termination system	
Contact Types	Copper	
Business Unit	GASF	ALTW

Series	X-Lok
	
Coupling System	Push-Lock
Contact Positions	2-18
Housing Material	Thermoplastic
AWG	24 thru 12 AWG
Contact Current Ratings	2A to 20A
IP Ratings	IP68
Mating Cycles	1000+
Contact Types	Solder, Crimp, Screw, Push-in
Business Unit	ALTW

INDUSTRIAL

Amphenol is a technology leader in the design, manufacture, and supply of high-performance interconnect systems for a broad range of industrial applications. Amphenol's core competencies include application specific industrial interconnect solutions utilizing integrated assemblies with flexible printed circuits, as well as, high-power interconnects requiring a high degree of engineering and system integration. Our innovative solutions facilitate the increasing demands of embedded computing and power distribution.

GLOBAL OPERATIONS

Amphenol Daeshin (ADS)

Korea | www.amphenol.co.kr

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol Aiden Products (ALDEN)

USA | www.amphenolaiden.com

Amphenol LTW Technology Co. Ltd. (ALTW)

Taiwan | www.amphenolltw.com

Amphenol Anytek (ANYTEK)

Taiwan | www.anytek.com.tw

Amphenol Oil & Gas Technologies (AOGT)

USA | www.amphenol-industrial.com

Amphenol PCD Shenzhen (APCD SZ)

China | www.amphenolpcd.com.cn

Amphenol Tuchel Electronics (ATE)

USA | www.amphenol-sine.com

Amphenol Technical Products International (ATPI)

Canada | www.amphenol-tpi.com

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

China | www.amphenol-gasf.com

Amphenol Sine Systems (SINE)

USA & China | www.amphenol-sine.com



INDUSTRIAL

Series	44 Series Circular	97 Series
		
Coupling System	Push-Pull	Threaded Coupling
Contact Positions	1-6	1 to 52
Housing Material	Thermoplastic Rubber	Metal
AWG	18 thru 14 AWG	20 thru 0 AWG
Contact Current Ratings	8A	13A to 150A
IP Ratings	IP65/67	Not Rated
Mating Cycles	25 Max	500+
Contact Types	Stamped & Formed	Machined Solder, Machined Crimp
Business Unit	ATI	AIO / ATZ

Series	5015	ACA-B and GT Series
		
Coupling System	Threaded Coupling	Reverse Bayonet Coupling
Contact Positions	1-85	1 to 85
Housing Material	Metal	Metal
AWG	16 thru 4/0 AWG	16 thru 4/0 AWG
Contact Current Ratings	13A to 250A	13A to 250A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500	2000
Contact Types	Machined Crimp, Solder Crimp, RADSOK® Available	Machined Crimp, Solder Crimp, RADSOK® Available
Business Unit	AIO / ATZ	AIO / ATZ

Amphe-309	Amphe-Lite	Amphe-PD™
		
Threaded Coupling	ACME Threads	Integral Latch
2 to 5 Pole	2 to 128	2
Valox	Composite	Plastic
17 thru 0 AWG	24 thru 10 AWG	12 thru 4 AWG
16A to 125A	5A to 33A	up to 120A
IP67	IP67 / IP69K mated	N/A
1000	500+	N/A
Screw Termination	Machined Crimp	RADSOK® Crimp, PCB or Busbar
AOGT	AIO / ATZ	AIO / ATZ

Amphe-Lite M3	Amphe-PPM	ASRC-M
		
ACME Threads	Push-Pull	Screw
2 to 128	2/3/4/5/7/9/12	8-48
Metal	Metal	Metal
24 thru 10 AWG	24 thru 14 AWG	26 thru 16 AWG
5A to 33A	5A to 13A	1 to 13A
IP67 / IP69K mated	IP67 mated	IP67 mated
500+	500+	500+
Machined Crimp	Machined Solder	Machined
AIO / ATZ	AIO / ATZ	APCD SZ

INDUSTRIAL

Series	ASTE	ASTP
		
Coupling System	Latch	Latch
Contact Positions	4-8	34-50
Housing Material	Plastic	Metal
AWG	26 thru 16 AWG	26 thru 12 AWG
Contact Current Ratings	1 to 13A	1 to 23A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500+	500+
Contact Types	Machined	Machined
Business Unit	APCD SZ	APCD SZ


Series	ATC Series	Cable Gland
		
Coupling System	Integral Latch	Threaded Coupling
Contact Positions	3/5/9	
Housing Material	Thermoplastic	Thermoplastic
AWG	20 thru 14 AWG	
Contact Current Ratings	13A	
IP Ratings	IP67 mated	IP67, IP68
Mating Cycles	100+	
Contact Types	Machined Crimped, Stamped & Formed Crimped	
Business Unit	AIO / ATZ	ALTW

Cable Glands Industrial	Cable Joiner	Ceres
		
Threaded Coupling	Threaded Coupling / Snap-In with Latch	Threaded Coupling, Lock Bayonet
	4	2-31
Nylon and Metal	Thermoplastic	Thermoplastic
	16 thru 10 AWG	26 thru 14 AWG
	10A to 30A	2A to 20A
IP65, IP67 and IP68	IP67	IP67 unmated & mated
		1000+
	Crimp	PCB, Solder, Crimp, Screw
AIO / ATZ	ALTW	ALTW

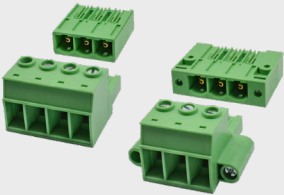
CMB Series	Double Sided Flex - Type II	D-SUB
		
Bayonet Coupling	Yes	Threaded Coupling
1 to 61	2	9-78
Metal	Polyimide	Thermoplastic, Metal
22 thru 12 AWG	Yes	26 thru 24 AWG
7.5A, 23A		2A to 5A
IP67 mated	N/A	IP67, IP68
500	Dependant on termination system	500+
Machined Solder	Copper	PCB, Solder, Crimp
AIO / ATZ	GASF	ALTW

INDUSTRIAL

Series	D-SUB with EMI Shell	DVI
		
Coupling System	Screw	Threaded Coupling
Contact Positions	9-15	19-29
Housing Material	Metal	Thermoplastic
AWG	26 thru 18 AWG	28 AWG
Contact Current Ratings	1 to 7.5A	1.5A
IP Ratings	IP67 mated	IP67, IP68
Mating Cycles	500+	100+
Contact Types	Machined	PCB
Business Unit	APCD SZ	ALTW

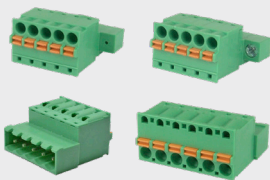
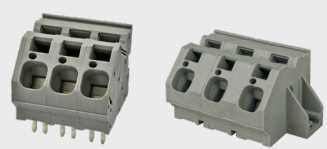
Series	ecomate® RM High Amperage	EI Series
		
Coupling System	Metal Bayonet Locking	
Contact Positions	1-3	2-10P (Pitch: 15.0)
Housing Material	Metal	Thermoplastic
AWG	16 thru 3/0 AWG	20 thru 2 AWG
Contact Current Ratings	86A to 300A	125A (600V)
IP Ratings	IP67 mated	
Mating Cycles	500+	
Contact Types	Machined RADSOK®	Rising Clamp
Business Unit	SINE	Anytek

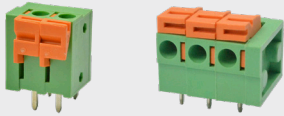

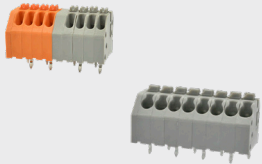
EM Series	EMP	ePower
		
2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	Screw 3-6	Press-fit Screw 2 to 3
Thermoplastic	Metal	Aluminum
22 thru 12 AWG	4 thru 250 MCM AWG	4 thru 600 AWG MCM
12A (300V)	250 to 700A	up to 700A
	IP67 mated	IP67 mated
200+	500+	N/A
Rising Clamp	Machined	RADSOK® Crimp or Busbar
Anytek	APCD SZ	AIO / ATZ




ePower-Lite	EW & EV Series	EX309
		
Integral Latch 2, 3, 4	2-12P (Pitch: 10.16)	Threaded Coupling 3 to 5 Pole
Plastic	Thermoplastic	Glass-fiber reinforced polyester (LSMH)-PA6 - Dissipative
14 thru 4 AWG	20 thru 6 AWG	17 thru 0 AWG
up to 120A	55A (300V)	16A to 125A
IP67 mated		IP67
100	200+	1000
RADSOK® Crimp	Rising Clamp	Screw Termination
AIO / ATZ	Anytek	AOGT

INDUSTRIAL

Series	FICX	FLO & FLO+
		
Coupling System	Threaded Coupling	Push-Pull
Contact Positions	2-5	2-32
Housing Material	Thermoplastic	PPS
AWG	18 thru 12 AWG	26 thru 10 AWG
Contact Current Ratings	8A to 20A	1.5A to 35A
IP Ratings	IP68	IP50/IP68 (Mated)
Mating Cycles		5000+
Contact Types	Screw	PCB, Solder
Business Unit	ALTW	ALTW

Series	H5 Series	H8 Series
		
Coupling System		
Contact Positions	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	2-24P (Pitch: 10.0, 15.0, 20.0)
Housing Material	Thermoplastic	Thermoplastic
AWG	28 thru 12 AWG	24 thru 6 AWG
Contact Current Ratings	4 to 10A (300V)	37 to 57A (300 - 600V)
IP Ratings		
Mating Cycles	200+	
Contact Types	Push-In Spring	Cage Clamp
Business Unit	Anytek	Anytek


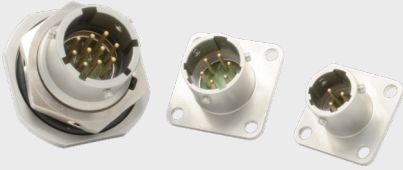

HA Series	HB Series	HC Series
		
2-24P (Pitch: 2.54, 3.81, 5.0, 5.08, 7.5, 7.62, 10.0)	2-24P (Pitch: 3.81, 3.96, 5.0, 7.5, 10.0)	2-24P (Pitch: 2.5, 3.5, 7.0)
Thermoplastic	Thermoplastic	Thermoplastic
26 thru 14 AWG	24 thru 14 AWG	26 thru 16 AWG
2 to 10A (150 - 300V)	10A (300V)	2 to 6A (300V)
Push-In Spring	Push-In Spring	Push-In Spring
Anytek	Anytek	Anytek


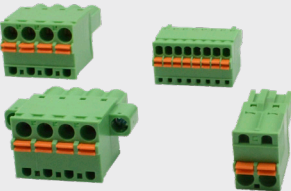
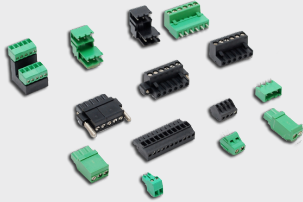
HC Series, Power and Signal Connector	HDMI	Heater Flex
		
Lever Lock, Reverse Flange Mount	Threaded Coupling, Latch	No
26 Signal, 6 Power	19	1-2
Thermoplastic	Thermoplastic	Polyimide
Signal: 22 thru 20 AWG, Power: 18 thru 14 AWG	26 AWG	No
Signal: 5A, Power: 13A	0.5A	
IP67, IP6K9K (in mated condition)	IP67	N/A
100 cycles	500+	Dependant on termination system
Pin & Socket, Stamped and Formed Crimp	PCB	Copper
ATPI	ALTW	GASF

INDUSTRIAL

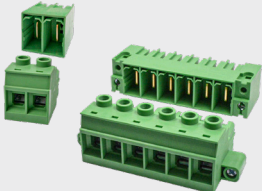
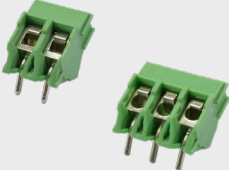
Series	Heavy Mate	heavymate®
		
Coupling System	Lever	Quick Latching
Contact Positions	1-108	6-140
Housing Material	Metal	Metal
AWG	26 thru 500 MCM AWG	28 thru 3/0 AWG
Contact Current Ratings	5 to 700A	10A to 300A
IP Ratings	IP65, IP68	IP65, 67, 68, 69K mated
Mating Cycles	500+	500+
Contact Types	Machined	Crimp (Turned/Stamped & Formed), Screw, Push-In, Cage Clamp
Business Unit	APCD SZ	ATI


Series	Overmolded Fuses	HI Series
		
Coupling System	UL Listed Connectors: H4,UTC, MC4, EVO2	
Contact Positions	1	2-24P (Pitch: 5.0, 7.5, 7.62)
Housing Material	Thermoplastic	Thermoplastic
AWG	14 thru 8 AWG	28 thru 12 AWG
Contact Current Ratings	1 to 32A (1000/1500V)	15A (300V)
IP Ratings	IP68	
Mating Cycles		200+
Contact Types		Cage Clamp
Business Unit	ATPI	Anytek

High Voltage	HPT Series	HS-Lok
		
Quick-Lock, Friction, J-Slot, Auto-Lock	Bayonet Coupling	Push-Lock
9-Jan	1 to 61	2-6
Thermoplastic	Metal / Glass	Thermoplastic
22 thru 12 AWG	22 thru 12 AWG	24 thru 20 AWG
Not Rated	5A to 17A	2A to 5A
Not Rated	High Pressures up to 1.0×10^{-6} cc/sec at 15 psi differential	IP68 unmated & mated
	500+	2000+
Machined	Machined Solder	Solder
Alden	AIO / ATZ	ALTW



HVSP	HW Series	Industrial Terminal Blocks
		
CPA		Screw, Screwless
1	2-24P (Pitch: 2.5, 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	2-24
Plastic	Thermoplastic	Plastic
4 thru 2/0 AWG	28 thru 12 AWG	30 thru 12 AWG
100 to 250A	4 to 10A (150 - 300V)	2.5 to 250A
IP67, IP6K9K		
50+	200+	50+
Machined	Push-In Spring	Stamped & Formed
APCD SZ	Anytek	APCD SZ

INDUSTRIAL

Series	KU & KX Series	KZ Series
		
Coupling System		
Contact Positions	2-10P (Pitch: 15.0)	2-24P (Pitch: 3.5, 5.0)
Housing Material	Thermoplastic	Thermoplastic
AWG	20 thru 2 AWG	26 thru 12 AWG
Contact Current Ratings	115A (600V)	10 to 15A (300V)
IP Ratings		
Mating Cycles	200+	
Contact Types	Rising Clamp	Screw-Wire Protector Clamp
Business Unit	Anytek	Anytek


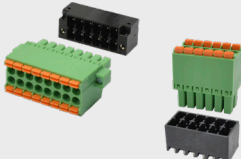
Series	LED Indicator	LPT Series
		
Coupling System	Threaded Coupling	Bayonet Coupling
Contact Positions		4 to 55
Housing Material	Thermoplastic, Metal	Metal
AWG		22 thru 12 AWG
Contact Current Ratings		7.5A to 23A
IP Ratings	IP67	IP67 mated
Mating Cycles		500
Contact Types	Solder	Machined Crimp, Stamped & Formed Crimp
Business Unit	ALTW	AIO / ATZ

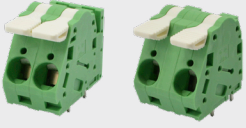
M23 & M40	Max-M12	MediMate
		
Metal Threaded & Quick Locking	Threaded Coupling	Push-Pull Latch
6-19 and Hybrid	3/4/5/8/12	2 to 14
Metal	Metal	Thermoplastic
28 thru 8 AWG	24 thru 16 AWG	28 thru 20 AWG
0.5A to 75A	4A max	2A to 10A
IP67 mated	IP67 mated	IP50 mated (Optional IP64 mated)
500+	100+	2000
Machined	Machined Solder	Machined
SINE	AIO / ATZ	Alden

Micro-B	M-Series	Multilayer Flex - Type III
		
Bayonet Coupling	Threaded Coupling, Snap-in	Yes
7/10/15	2-17	3-10
Metal	Metal, Thermoplastic	Polyimide
24 thru 20 AWG	26 thru 16 AWG	Yes
5A	0.5A to 28A	N/A
IP67 mated	IP68 unmated & mated, IP69K	N/A
500+	1000+	Dependant on termination system
Stamped & Formed Crimp	PCB, Solder, Crimp, IDC, Push-in, Screw	Copper
AIO / ATZ	ALTW	GASF

INDUSTRIAL

Series	Neptune	NI Series
		
Coupling System	Threaded Coupling	
Contact Positions	2 to 5 Pole	1-24P (Pitch: 3.81, 5.08)
Housing Material	Hard anodized AL	Thermoplastic, PA4T
AWG	14 thru 4/0 AWG	26 thru 16 AWG
Contact Current Ratings	200A	10A (300V)
IP Ratings	IP67, IP68	
Mating Cycles	500+	
Contact Types	Machined Crimp, Set Screw	Push-In Spring
Business Unit	AOGT	Anytek


Series	NP Series	NR & NL Series
		
Coupling System		
Contact Positions	2-12P (Pitch: 10.0)	2*2-2*24P (Pitch: 3.5)
Housing Material	Thermoplastic	Thermoplastic, LCP
AWG	20 thru 8 AWG(SOL), 20 thru 4 AWG(STR)	24 thru 16 AWG
Contact Current Ratings	30 to 50A (300 - 600V)	5.5A (150 - 300V)
IP Ratings		
Mating Cycles		200+
Contact Types	Push-In Spring	Push-In Spring
Business Unit	Anytek	Anytek

NZ Series	OM RADSOK® on Cable & Busbar	OQ Series
		
1-12P (Pitch: 10.0, 15.0)	Bolt Down, Latch, Custom	2-24P (Pitch: 2.5, 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)
Thermoplastic	Thermoplastic	Thermoplastic, LCP
16 thru 6 AWG	8 thru 300 MCM AWG	
55 to 65A (300 - 600V)	70A to 400A	4 to 20A (300V)
	IP2X, IP67, IPx9k, as Required	
	100+	200+
Cage Clamp	Machined, Stamped & Formed	
Anytek	ATPI	Anytek




Power	PowerBOSSlite™ M35	PowerBOSS™ M40 with CheckMate™
		
Threaded Coupling, Lock Bayonet	Metal Threaded	Metal Quick Connect
2-12	3 & 4	6
Thermoplastic	Overmolded	Overmolded
18 thru 10 AWG	10 AWG	8 & 10 AWG
8A to 50A	25A, 30A	25A, 32A
IP67 unmated & mated	IP67 mated	IP67 mated
1000+	500+	500+
Solder, Screw, Crimp	Machined	Machined
ALTW	SINE	SINE

INDUSTRIAL

Series	PowerLok	PowerLok 4.0
		
Coupling System	Latch, Lever Lock	Latch, Lever Lock
Contact Positions	1, 2, and 3 Position	2, 3, and 4 Position
Housing Material	Metal	Metal
AWG	8 thru 300 MCM AWG	14 thru 8 AWG
Contact Current Ratings	up to 500A	up to 60A
IP Ratings	IP2X unmated, IP67 mated	IP2X unmated, IP67 mated
Mating Cycles	100+	100+
Contact Types	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	Machined
Business Unit	ATPI	ATPI

Series	PowerLok G2	PT Series
		
Coupling System	Lever Lock	Bayonet Coupling
Contact Positions	1, 2, and 3 position Power w/ HVIL	1 to 61
Housing Material	Aluminum	Metal
AWG	2 thru 4/0 AWG	22 thru 12 AWG
Contact Current Ratings	up to 450A	7.5A to 23A
IP Ratings	IP67, IP6K9K (in mated condition)	IP67 mated
Mating Cycles	100 cycles	500
Contact Types	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	Machined Solder, Machined Crimp
Business Unit	ATPI	AIO / ATZ

Pulse-Lok 1200	Pulse-Lok 500	Pulse-Lok 700
		
Auto-Coupling	Auto-Coupling	Auto-Coupling
19 to 78	1-14	1-27
Thermoplastic	Thermoplastic or Metal	Thermoplastic or Metal
26 AWG	26 thru 16 AWG	26 thru 12 AWG
1.5A	2.5A to 5A	2A to 16A
IP67 mated	IP67 mated	IP67 mated
5000	5000	5000
Machined	Machined	Machined
Alden	Alden	Alden



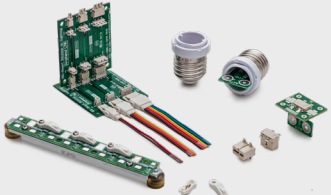
Pulse-Lok 900	pulseOne	R24
		
Auto-Coupling	Friction Fit	Clamp on
3-52	2-14	1 Pole
Thermoplastic	Thermoplastic	AL alloy with Polyester TGIC Powder
26 thru 12 AWG	28 AWG	4/0 AWG thru 777 MCM
1.5A to 16A	1.0A	1500A
IP67 mated	IP67 mated / IP64 Plug & Cable Mount Receptacle	IP65
5000	5000	2000
Machined	Machined	Machined Crimp, Busbar, RADSOK® Available
Alden	Alden	AOGT

INDUSTRIAL

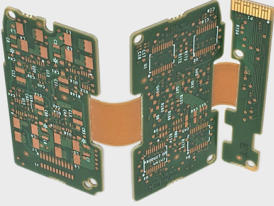

Series	R49	RadLok
		
Coupling System	Clamp on	Pushbutton Latch
Contact Positions	1 Pole	1
Housing Material	AL alloy with Polyester TGIC Powder	Thermoplastic
AWG	4/0 AWG thru 777 MCM	8 thru 300 MCM AWG
Contact Current Ratings	1100A	70A to 500A
IP Ratings	IP65	IP2X / IP30 mated
Mating Cycles	500	100+
Contact Types	Machined Crimp, Busbar, RADSOK® Available	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post
Business Unit	AOGT	ATPI

Series	RADSOK® GroundMate™	RF
		
Coupling System	Press-fit	Threaded Coupling
Contact Positions	1	
Housing Material	Metal	Metal
AWG	12 thru 8 AWG	
Contact Current Ratings	180A	
IP Ratings	Up to IP65 mated	IP68
Mating Cycles	1,000+	500+
Contact Types	Machined RADSOK®	Crimp, PCB
Business Unit	ATI	ALTW

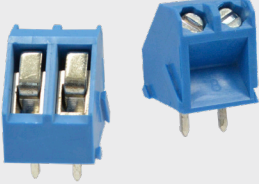
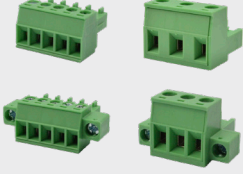

Rigid-Flex - Type IV	RIG-Lok	RJ
		
Yes	Reverse Bayonet Coupling	Threaded Coupling, Lock Bayonet
3-16	1 Pole	8
Polyimide	Hard anodized AL	Thermoplastic
Yes	4/0 AWG thru 777 MCM	24 AWG
	800A	2A
N/A	IP67, IP68	IP67
Dependant on termination system	2000	750+
Copper	Crimp RADSOK®	PCB, Solder
GASF	AOGT	ALTW

Sculptured	Single Sided Flex - Type I	SSL
		
No	No	Threaded Coupling, Snap-In
1	1	2-6
Polyimide	Polyimide	Thermoplastic
Yes	Yes	22 thru 18 AWG
	Up to 100 amps	3A to 12A
N/A	N/A	IP68
Dependant on termination system	Dependant on termination system	SSL 1.1: 100 cycles SSL 1.2: 30 cycles SSL 1.3: 10 cycles SSL 2.1: 20 cycles SSL 2.3: 100 cycles
Copper	Copper	Crimp, Solder, SMT
GASF	GASF	ALTW

INDUSTRIAL

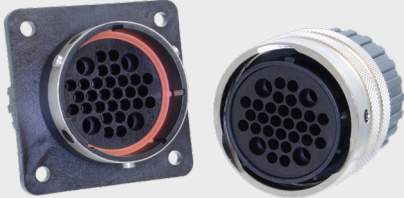

Series	Standard Flex (Type I-IV)	SurLok Plus™
		
Coupling System	Connector termination	Compression with Secondary Lock
Contact Positions	Any as defined by design	1
Housing Material	Polyimide	Plastic
AWG	Various as defined by design	6 thru 3/0 AWG
Contact Current Ratings		up to 350A
IP Ratings	N/A	IP67 mated
Mating Cycles	Dependant on termination system	N/A
Contact Types	Copper on flex or usable with any variety of SMT or through hole connector systems.	RADSOK® Crimp, Busbar, or Threaded Post
Business Unit	GASF	AIO / ATZ

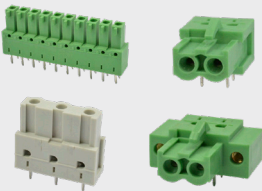
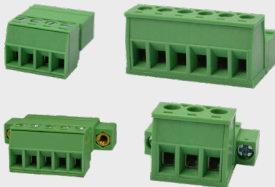
Series	TB & TC Series	Terminal Blocks
		
Coupling System		Screw, Screwless
Contact Positions	2-24P (Pitch: 5.0, 5.08)	2-24
Housing Material	Thermoplastic, PA46	Plastic
AWG	22 thru 14 AWG	30 thru 12 AWG
Contact Current Ratings	15 to 16A (250V)	2.5 to 250A
IP Ratings		
Mating Cycles		50+
Contact Types	Screw-Wire Protector Clamp	Stamped & Formed
Business Unit	Anytek	APCD SZ




TG Series	TJ Series	TR Series
		
2-24P (Pitch: 5.0, 5.08)	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	1-24P (Pitch: 3.81, 5.0, 7.5, 10.0)
Thermoplastic	Thermoplastic	Thermoplastic
24 thru 12 AWG	28 thru 12 AWG	26 thru 12 AWG
10 to 15A (300V)	10 to 20A (300V)	8 to 20A (300V)
	200+	
Rising Clamp	Rising Clamp	Screw-Wire Protector Clamp
Anytek	Anytek	Anytek

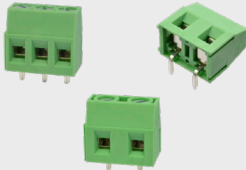

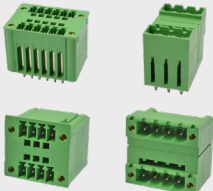
TS Series	TZ Series	UPC
		
2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	2-24P (Pitch: 3.5, 5.0)	Lever Latch
Thermoplastic	LCP	2 to 3
28 thru 12 AWG	30 thru 14 AWG	Plastic
8 to 15A (300V)	6 to 10A (300V)	4 thru 300 AWG MCM
		up to 450A
		IP67 & IP69k mated
200+		100
Rising Clamp	Rising Clamp	RADSOK® Crimp or Busbar
Anytek	Anytek	AIO / ATZ

INDUSTRIAL


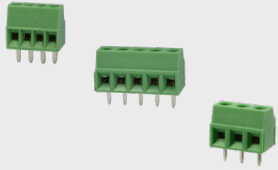
Series	UPT Series	USB
		
Coupling System	Bayonet Coupling	Threaded Coupling, Lock Bayonet, Snap-In
Contact Positions	7 to 48	4-24
Housing Material	Thermoplastic	Metal, Thermoplastic
AWG	22 thru 12 AWG	32 thru 23 AWG
Contact Current Ratings	7.5A to 23A	1A to 5A
IP Ratings	IP67 mated	IP67, IP68 unmated & mated
Mating Cycles	500	USB A/B: 1000 cycles USB C: 10000 cycles Micro USB: 10000 cycles
Contact Types	Machined Crimp, Stamped & Formed Crimp	PCB, Solder
Business Unit	AIO / ATZ	ALTW



Series	V7 Series	V8 Series
		
Coupling System		
Contact Positions	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	2-24P (Pitch: 3.81, 5.08, 7.62)
Housing Material	Thermoplastic	Thermoplastic
AWG		30 thru 12 AWG
Contact Current Ratings	4 to 12A (300V)	8 to 20A (300V)
IP Ratings		
Mating Cycles	200+	200+
Contact Types		Rising Clamp
Business Unit	Anytek	Anytek

Value Added Flexible Printed Circuits	VENT	VersaBOSS™ VFD Cables
		
	Threaded Coupling, Snap-In	Metal Bayonet Locking
1-16		9
Polyimide	Stainless, Metal, Thermoplastic	Overmolded
		18 thru 12 AWG
Up to 100 amps		20A
N/A	IP68, IP69K	IP67 mated
Dependant on termination system		500+
Copper		Machined
GASF	ALTW	SINE

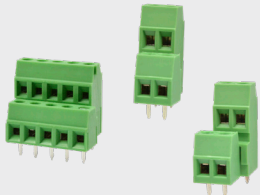
VI Series	VK Series	VL Series
		
2-24P (Pitch: 5.0, 5.08, 7.5)	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08)	2*2-2*24P (Pitch: 2.5, 3.5, 3.81, 5.0, 5.08)
Thermoplastic	Thermoplastic	Thermoplastic
28 thru 12 AWG		
16A (300V)	8 to 15A (300V)	4 to 20A (150 - 300V)
	200+	200+
Rising Clamp		
Anytek	Anytek	Anytek

INDUSTRIAL

Series	VM Series	VN/YO Series
		
Coupling System		
Contact Positions	2-24P (Pitch: 3.5, 3.81, 5.0, 5.08, 7.5, 7.62)	2-24P (Pitch: 2.54, 3.5, 3.81)
Housing Material	Thermoplastic	Thermoplastic
AWG	28 thru 12 AWG	30 thru 16 AWG
Contact Current Ratings	10 to 12A (300V)	6 to 10A (300V)
IP Ratings		
Mating Cycles	200+	
Contact Types	Rising Clamp	Rising Clamp
Business Unit	Anytek	Anytek

Series	VP Series	XCEL POWER MATE
		
Coupling System		Bayonet
Contact Positions	2P/3P (Pitch: 10.16, 12.7)	2-5
Housing Material	Thermoplastic	Plastic
AWG	20 thru 6 AWG	14 thru 10 AWG
Contact Current Ratings	65A (300 - 600V)	10 to 46A
IP Ratings		IP67 mated
Mating Cycles		500+
Contact Types	Rising Clamp	Machined
Business Unit	Anytek	APCD SZ

X-Lok	YA Series	YK Series
		
Push-Lock		
2-18	3*2-3*24P (Pitch: 3.81)	2-30P (Pitch: 6.35, 7.62, 8.25, 9.5, 9.52, 10.0, 11.0, 11.4, 12.7, 15.0, 16.0, 21.0, 27.5)
Thermoplastic	Thermoplastic	Thermoplastic
24 thru 12 AWG	24 thru 16 AWG	22 thru 1/0 AWG
2A to 20A	10A (150V)	10 to 150A (150 - 600V)
IP68		
1000+		
Solder, Crimp, Screw, Push-in	Rising Clamp	Screw Termination
ALTW	Anytek	Anytek

YQ Series

2*2-2*24P (Pitch: 3.5, 3.81)
Thermoplastic
24 thru 16 AWG
10A (300V)
Rising Clamp
Anytek

MEDICAL

Technology is enhancing and prolonging our lives like never before. Today's most innovative medical devices rely on Amphenol's interconnect products to deliver quality images, accurate diagnosis and effective therapies. With the broadest product lines and the most advanced technologies, Amphenol offers medical device Design Engineers the freedom to transform all that is possible.

GLOBAL OPERATIONS

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol Alden Products (ALDEN)

USA | www.amphenolalden.com

Amphenol LTW Technology Co. Ltd. (ALTW)

Taiwan | www.amphenolltw.com

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

China | www.amphenol-gasf.com



MEDICAL

Series	Amphe-Lite	Amphe-Lite M3
		
Coupling System	ACME Threads	ACME Threads
Contact Positions	2 to 128	2 to 128
Housing Material	Composite	Metal
AWG	24 thru 10 AWG	24 thru 10 AWG
Contact Current Ratings	5A to 33A	5A to 33A
IP Ratings	IP67 / IP69K mated	IP67 / IP69K mated
Mating Cycles	500+	500+
Contact Types	Machined Crimp	Machined Crimp
Business Unit	AIO / ATZ	AIO / ATZ


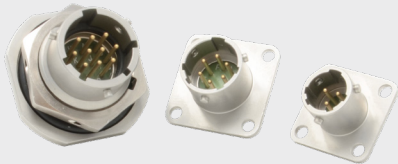
Series	Cable Gland	Cable Glands Industrial
		
Coupling System	Threaded Coupling	Threaded Coupling
Contact Positions		
Housing Material	Thermoplastic	Nylon and Metal
AWG		
Contact Current Ratings		
IP Ratings	IP67, IP68	IP65, IP67 and IP68
Mating Cycles		
Contact Types		
Business Unit	ALTW	AIO / ATZ

Cable Joiner	Ceres	Double Sided Flex - Type II
		
Threaded Coupling / Snap-In with Latch	Threaded Coupling, Lock Bayonet	Yes
4	2-31	2
Thermoplastic	Thermoplastic	Polyimide
16 thru 10 AWG	26 thru 14 AWG	Yes
10A to 30A	2A to 20A	N/A
IP67	IP67 unmated & mated	Dependant on termination system
	1000+	
Crimp	PCB, Solder, Crimp, Screw	PCB, Solder, Crimp
ALTW	ALTW	GASF

D-SUB	DVI	FICX
		
Threaded Coupling	Threaded Coupling	Threaded Coupling
9-78	19-29	2-5
Thermoplastic, Metal	Thermoplastic	Thermoplastic
26 thru 24 AWG	28 AWG	18 thru 12 AWG
2A to 5A	1.5A	8A to 20A
IP67, IP68	IP67, IP68	IP68
500+	100+	
PCB, Solder, Crimp	PCB	Screw
ALTW	ALTW	ALTW

MEDICAL

Series	FLO & FLO+	HDMI
		
Coupling System	Push-Pull	Threaded Coupling, Latch
Contact Positions	2-32	19
Housing Material	PPS	Thermoplastic
AWG	26 thru 10 AWG	26 AWG
Contact Current Ratings	1.5A to 35A	0.5A
IP Ratings	IP50/IP68 (Mated)	IP67
Mating Cycles	5000+	500+
Contact Types	PCB, Solder	PCB
Business Unit	ALTW	ALTW

Series	Heater Flex	HPT Series
		
Coupling System	No	Bayonet Coupling
Contact Positions	1-2	1 to 61
Housing Material	Polyimide	Metal / Glass
AWG	No	22 thru 12 AWG
Contact Current Ratings		5A to 17A
IP Ratings	N/A	High Pressures up to 1.0×10 ⁻⁶ cc/sec. at 15 psi differential
Mating Cycles	Dependant on termination system	500+
Contact Types	Copper	Machined Solder
Business Unit	GASF	AIO / ATZ

HS-Lok	LED Indicator	MediMate
		
Push-Lock	Threaded Coupling	Push-Pull Latch
2-6		2 to 14
Thermoplastic	Thermoplastic, Metal	Thermoplastic
24 thru 20 AWG		28 thru 20 AWG
2A to 5A		2A to 10A
IP68 unmated & mated	IP67	IP50 mated(Optional IP64 mated)
2000+		2000
Solder	Solder	Machined
ALTW	ALTW	Alden

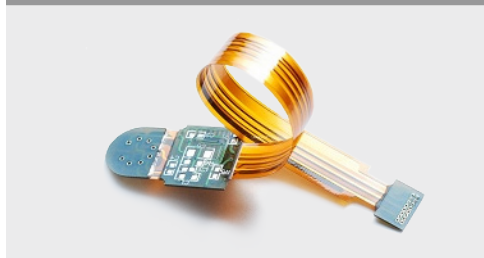


M-Series	Multilayer Flex - Type III	Power
		
Threaded Coupling, Snap-in	Yes	Threaded Coupling, Lock Bayonet
2-17	3-10	2-12
Metal, Thermoplastic	Polyimide	Thermoplastic
26 thru 16 AWG	Yes	18 thru 10 AWG
0.5A to 28A		8A to 50A
IP68 unmated & mated, IP69K	N/A	IP67 unmated & mated
1000+	Dependant on termination system	1000+
PCB, Solder, Crimp, IDC, Push-in, Screw	Copper	Solder, Screw, Crimp
ALTW	GASF	ALTW

MEDICAL


Series	Pulse-Lok 1200	Pulse-Lok 500
		
Coupling System	Auto-Coupling	Auto-Coupling
Contact Positions	19 to 78	1-14
Housing Material	Thermoplastic	Thermoplastic or Metal
AWG	26 AWG	26 thru 16 AWG
Contact Current Ratings	1.5A	2.5A to 5A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	5000	5000
Contact Types	Machined	Machined
Business Unit	Alden	Alden

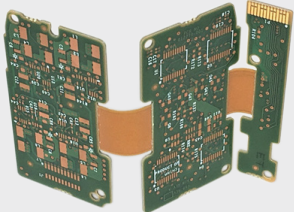

Series	Pulse-Lok 700	Pulse-Lok 900
		
Coupling System	Auto-Coupling	Auto-Coupling
Contact Positions	1-27	3-52
Housing Material	Thermoplastic or Metal	Thermoplastic
AWG	26 thru 12 AWG	26 thru 12 AWG
Contact Current Ratings	2A to 16A	1.5A to 16A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	5000	5000
Contact Types	Machined	Machined
Business Unit	Alden	Alden


pulseOne	RBL	RF
		
Friction Fit	Push-Lock with Latch	Threaded Coupling
2-14	2-18	
Thermoplastic	Thermoplastic	Metal
28 AWG	20 thru 12 AWG	
1.0A	5A to 20A	
IP67 mated / IP64 Plug & Cable Mount Receptacle	IP67	IP68
5000	250+	500+
Machined	Solder, Crimp	Crimp, PCB
Alden	ALTW	ALTW

Rigid-Flex - Type IV	RJ	Sculptured
		
Yes	Threaded Coupling, Lock Bayonet	No
3-16	8	1
Polyimide	Thermoplastic	Polyimide
Yes	24 AWG	Yes
N/A	2A	N/A
N/A	IP67	N/A
Dependant on termination system	750+	Dependant on termination system
Copper	PCB, Solder	Copper
GASF	ALTW	GASF

MEDICAL

Series	Single Sided Flex - Type I	SSL
		
Coupling System	No	Threaded Coupling, Snap-In
Contact Positions	1	2-6
Housing Material	Polyimide	Thermoplastic
AWG	Yes	22 thru 18 AWG
Contact Current Ratings	Up to 100 amps	3A to 12A
IP Ratings	N/A	IP68
Mating Cycles	Dependant on termination system	SSL 1.1: 100 cycles SSL 1.2: 30 cycles SSL 1.3: 10 cycles SSL 2.1: 20 cycles SSL 2.3: 100 cycles
Contact Types	Copper	Crimp, Solder, SMT
Business Unit	GASF	ALTW

Series	Standard Flex (Type I-IV)	USB
		
Coupling System	Connector termination	Threaded Coupling, Lock Bayonet, Snap-In
Contact Positions	Any as defined by design	4-24
Housing Material	Polyimide	Metal, Thermoplastic
AWG	Various as defined by design	32 thru 23 AWG
Contact Current Ratings		1A to 5A
IP Ratings	N/A	IP67, IP68 unmated & mated
Mating Cycles	Dependant on termination system	USB A/B: 1000 cycles USB C: 10000 cycles Micro USB: 10000 cycles
Contact Types	Copper on flex or usable with any variety of SMT or through hole connector systems.	PCB, Solder
Business Unit	GASF	ALTW

Value Added Flexible Printed Circuits	X-Lok
	
1-16	Push-Lock
Polyimide	2-18
Up to 100 amps	Thermoplastic
N/A	24 thru 12 AWG
Dependant on termination system	2A to 20A
Copper	IP68
GASF	1000+
	Solder, Crimp, Screw, Push-in
	ALTW

OIL AND GAS

Amphenol is a leading supplier of interconnect and value add solutions to the Oil and Gas/Geophysical/ Subsea market. With the increase in world demand for oil and gas by-products, the technology used in the exploration and production processes has grown in sophistication. With industry leading engineering, design and manufacturing expertise, Amphenol is the preferred supplier of harsh environment products for Offshore and Land Drilling equipment, FPSO Production, Downhole and Subsea Solutions. Amphenol has offered the exploration, drilling, and production industries a full range of product lines for more than 30 years. Our innovative designs offer solutions for power, signal, hybrid and high speed interconnect requirements.

GLOBAL OPERATIONS

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol Oil & Gas Technologies (AOGT)

USA | www.amphenol-industrial.com


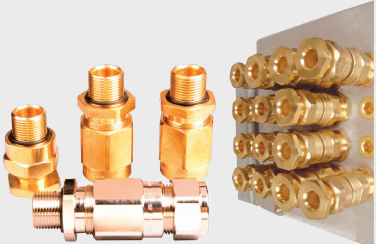
Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

China | www.amphenol-gasf.com



OIL AND GAS

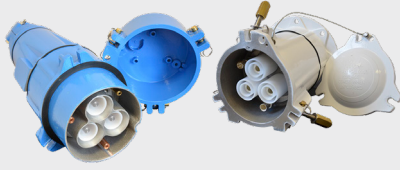

Series	5015	ACA-B and GT Series
		
Coupling System	Threaded Coupling	Reverse Bayonet Coupling
Contact Positions	1-85	1 to 85
Housing Material	Metal	Metal
AWG	16 thru 4/0 AWG	16 thru 4/0 AWG
Contact Current Ratings	13A to 250A	13A to 250A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500	2000
Contact Types	Machined Crimp, Solder Crimp, RADSOK® Available	Machined Crimp, Solder Crimp, RADSOK® Available
Business Unit	AIO / ATZ	AIO / ATZ

Series	Ampe-EX	ATEX Cable Glands
		
Coupling System	Threaded Coupling	Threaded Coupling
Contact Positions	2-79	
Housing Material	Hard anodized AL or SS316L	Brass and Stainless Steel
AWG	22 thru 10 AWG	
Contact Current Ratings	23A	
IP Ratings	IP67, IP68	IP66/68
Mating Cycles	500+	
Contact Types	Machined Crimp	
Business Unit	AOGT	AOGT


CMB Series	EX309	EX Hermetic Star-Line
		
Bayonet Coupling	Threaded Coupling	Threaded Coupling
1 to 61	3 to 5 Pole	1 to 68
Metal	Glass-fiber reinforced polyester (LSMH)-PA6 - Dissipative	SS316L
22 thru 12 AWG	17 thru 0 AWG	16 thru 1/0 AWG
7.5A, 23A	16A to 125A	3A to 40A
IP67 mated	IP67	IP67 , IP68 Up to 300Bar
500	1000	500+
Machined Solder	Screw Termination	Machined Solder, Crimp
AIO / ATZ	AOGT	AOGT


HDE EX CLASS 1 DIV 1	HPT Series	KTK
		
Threaded Coupling	Bayonet Coupling	Press-Fit
4-100	1 to 61	4 to 17
Hard anodized AL or SS316L	Metal / Glass	Glass-Filled Epoxy
16 thru 1/0 AWG	22 thru 12 AWG	22 to 20 AWG
3A to 150A	5A to 17A	Up to 5A
IP67 , IP68	High Pressures up to 1.0×10 ⁻⁶ cc/sec. at 15 psi differential	
500+	500+	
Machined Solder, Crimp, Set Screw, RADSOK® Available	Machined Solder	Solder
AOGT	AIO / ATZ	AOGT

OIL AND GAS

Series	MVC Series	PT Series
		
Coupling System	Rapid-Couple® mating technology	Bayonet Coupling
Contact Positions	3-pole	4 to 55
Housing Material	Aluminum	Metal
AWG	4 AWG thru 500 MCM	22 thru 12 AWG
Contact Current Ratings	Up to 600A (600V to 15KV rated)	7.5A to 23A
IP Ratings		IP67 mated
Mating Cycles		500
Contact Types	RADSOK® (Screw and Solder Termination)	Machined Crimp, Stamped & Formed Crimp
Business Unit	AIO / ATZ	AIO / ATZ

Series	R24	R49
		
Coupling System	Clamp on	Clamp on
Contact Positions	1 Pole	1 Pole
Housing Material	AL alloy with Polyester TGIC Powder	AL alloy with Polyester TGIC Powder
AWG	4/0 AWG thru 777 MCM	4/0 AWG thru 777 MCM
Contact Current Ratings	1500A	1100A
IP Ratings	IP65	IP65
Mating Cycles	2000	500
Contact Types	Machined Crimp, Busbar, RADSOK® Available	Machined Crimp, Busbar, RADSOK® Available
Business Unit	AOGT	AOGT

Rigid-Flex - Type IV	RIG-Lok	Star-Line
		
Yes	Reverse Bayonet Coupling	Threaded Coupling
3-16	1 Pole	1 - 143
Polyimide	Hard anodized AL	Hard anodized AL or SS316L
Yes	4/0 AWG thru 777 MCM	18 AWG thru 777 MCM
	800A	1500A
N/A	IP67, IP68	IP67, IP68
Dependant on termination system	2000	500+
Copper	Crimp RADSOK®	Machined Solder, Crimp, Set Screw, RADSOK® Available
GASF	AOGT	AOGT

Submariner 5500	ZEUS
	
Threaded Coupling	Secure Pin
2-23	2 to 3 Pole
SS316L	Nylon (with standard DIN-Rail mounting capabilities)
16 thru 10 AWG	11, 7, 5 AWG
10A to 18A	40A
IP68 (6.000M)	
500+	
Machined Solder	Crimp RADSOK® (5KV to 7KV rated)
AOGT	AOGT

TRANSPORTATION

The Transportation market segment is one of the most demanding markets in the industry that is subject to environmental impacts. It includes Marine, Rail Mass Transit, Automotive Hybrid/Electric Vehicles, and Commercial Vehicles. Amphenol has a wide range of connectors specially made for this market, starting with small sealed signal connectors, and going up to complex high-voltage and high-current solutions. Amphenol is a leading specialist for this market and understands the demands, our expertise and experience is a great asset especially for customer-specific solutions.

GLOBAL OPERATIONS

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol LTW Technology Co. Ltd. (ALTW)

Taiwan | www.amphenolltw.com

Amphenol Oil & Gas Technologies (AOGT)

USA | www.amphenol-industrial.com

Amphenol PCD Shenzhen (APCD SZ)

China | www.amphenolpcd.com.cn

Amphenol Tuchel Electronics (ATE)

USA | www.amphenol-sine.com

Amphenol Technical Products International (ATPI)

Canada | www.amphenol-tpi.com

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

China | www.amphenol-gasf.com

Amphenol Sine Systems (SINE)

USA & China | www.amphenol-sine.com



TRANSPORTATION

Series	5015	ACA-B and GT Series
		
Coupling System	Threaded Coupling	Reverse Bayonet Coupling
Contact Positions	1-85	1 to 85
Housing Material	Metal	Metal
AWG	16 thru 4/0 AWG	16 thru 4/0 AWG
Contact Current Ratings	13A to 250A	13A to 250A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500	2000
Contact Types	Machined Crimp, Solder Crimp, RADSOK® Available	Machined Crimp, Solder Crimp, RADSOK® Available
Business Unit	AIO / ATZ	AIO / ATZ

Series	AHVB	Amphe-EX
		
Coupling System	Integral Latch	Threaded Coupling
Contact Positions	4	2-79
Housing Material	Plastic	Hard anodized AL or SS316L
AWG	18 thru 16 AWG	22 thru 10 AWG
Contact Current Ratings	5A	23A
IP Ratings	IP67 mated	IP67, IP68
Mating Cycles	up to 100k for the contacts	500+
Contact Types	Machined Crimp, PCB	Machined Crimp
Business Unit	AIO / ATZ	AOGT

Amphe-PRB Series	ASGP	ASRC-M
		
Reverse Bayonet Coupling	Latch	Screw
3-5	10	8-48
Thermoplastic	Metal	Metal
12 thru 8 AWG	16 thru 500 MCM AWG	26 thru 16 AWG
23A to 70A	1 to 500A	1 to 13A
IP67 mated	IP67 mated	IP67 mated
100	500+	500+
Machined Set Screw	Machined	Machined
AIO / ATZ	APCD SZ	APCD SZ




ASTE	ASTP	ATC Series
		
Latch	Latch	Integral Latch
4-8	34-50	3/5/9
Plastic	Metal	Thermoplastic
26 thru 16 AWG	26 thru 12 AWG	20 thru 14 AWG
1 to 13A	1 to 23A	13A
IP67 mated	IP67 mated	IP67 mated
500+	500+	100+
Machined	Machined	Machined Crimped, Stamped & Formed Crimped
APCD SZ	APCD SZ	AIO / ATZ

TRANSPORTATION

Series	ATHD	BSM
		
Coupling System	Integral Latch	Floating
Contact Positions		1-24
Housing Material	Thermoplastic	Metal
AWG	16 AWG	17 thru 3/0 AWG
Contact Current Ratings	35A, 70A	5 to 300A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	100+	50+
Contact Types	Machined Crimped	Machined
Business Unit	AIO / ATZ	APCD SZ

Series	Cable Gland	Cable Glands Industrial
		
Coupling System	Threaded Coupling	Threaded Coupling
Contact Positions		
Housing Material	Thermoplastic	Nylon and Metal
AWG		
Contact Current Ratings		
IP Ratings	IP67, IP68	IP65, IP67 and IP68
Mating Cycles		
Contact Types		
Business Unit	ALTW	AIO / ATZ

Cable Joiner	Ceres	CMB Series
		
Threaded Coupling / Snap-In with Latch	Threaded Coupling, Lock Bayonet	Bayonet Coupling
4	2-31	1 to 61
Thermoplastic	Thermoplastic	Metal
16 thru 10 AWG	26 thru 14 AWG	22 thru 12 AWG
10A to 30A	2A to 20A	7.5A, 23A
IP67	IP67 unmated & mated	IP67 mated
	1000+	500
Crimp	PCB, Solder, Crimp, Screw	Machined Solder
ALTW	ALTW	AIO / ATZ

D-SUB	D-SUB with EMI Shell	DVI
		
Threaded Coupling	Screw	Threaded Coupling
9-78	9-15	19-29
Thermoplastic, Metal	Metal	Thermoplastic
26 thru 24 AWG	26 thru 18 AWG	28 AWG
2A to 5A	1 to 7.5A	1.5A
IP67, IP68	IP67 mated	IP67, IP68
500+	500+	100+
PCB, Solder, Crimp	Machined	PCB
ALTW	APCD SZ	ALTW

TRANSPORTATION

Series	ecomate® RM High Amperage	EMP
		
Coupling System	Metal Bayonet Locking	Screw
Contact Positions	1-3	3-6
Housing Material	Metal	Metal
AWG	16 thru 3/0 AWG	4 thru 250 MCM AWG
Contact Current Ratings	86A to 300A	250 to 700A
IP Ratings	IP67 mated	IP67 mated
Mating Cycles	500+	500+
Contact Types	Machined RADSOK®	Machined
Business Unit	SINE	APCD SZ

Series	EXCEL MATE CC COMBO	EXCEL MATE CC GB
		
Coupling System	N/A	N/A
Contact Positions	9	7, 9
Housing Material	Plastic	Plastic
AWG	10 thru 2/0 AWG	10 thru 2/0 AWG
Contact Current Ratings	32 to 200A	16 to 250A
IP Ratings	IP44	IP55
Mating Cycles	10000+	10000+
Contact Types	Machined	Machined
Business Unit	APCD SZ	APCD SZ

EXCEL MATE CC IEC	EXCEL MATE ECO HVSL600	EXCEL MATE ECO HVSL630
		
N/A	CPA	CPA
7	1	2
Plastic	Plastic	Plastic
14 thru 10 AWG	4 AWG	12 thru 10 AWG
16 to 32A	120A	23 to 40A
IP55	IP67, IP6K9K	IP67, IP6K9K
10000+	50+	50+
Machined	Stamped & Formed	Stamped & Formed
APCD SZ	APCD SZ	APCD SZ



EXCEL MATE MAX	EXCEL MATE METAL HVSL600	EXCEL MATE METAL HVSL800
		
Lever	Lever	Lever
2	2, 3	2
Plastic	Metal	Metal
2/0 thru 3/0 AWG	6 thru 4 AWG	4 thru 1/0 AWG
250 to 350A	100 to 120A	120 to 180A
IP67, IP6K9K	IP67, IP6K9K	IP67, IP6K9K
50+	50+	50+
Machined	Machined	Machined
APCD SZ	APCD SZ	APCD SZ

TRANSPORTATION

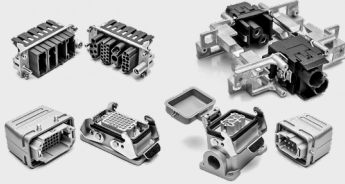
Series	EXCEL MATE MONO EX	EXCEL MATE MONO HVBI
		
Coupling System	Push-Pull	Push-Pull
Contact Positions	2, 3	1
Housing Material	Metal	Metal
AWG	14 thru 10 AWG	6 thru 2/0 AWG
Contact Current Ratings	23 to 42A	120 to 250A
IP Ratings	IP67, IP6K9K	IP67, IP6K9K
Mating Cycles	50+	50+
Contact Types	Stamped & Formed	Machined
Business Unit	APCD SZ	APCD SZ

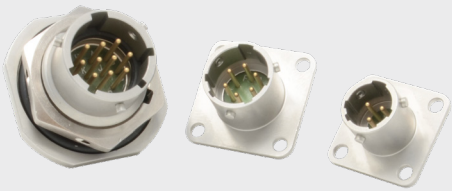

Series	EXCEL MATE MONO HVG	EXCEL MATE MSD
		
Coupling System	Push-Pull	N/A
Contact Positions	3-6	2
Housing Material	Metal	Plastic
AWG	14 thru 10 AWG	Busbar
Contact Current Ratings	23 to 50A	260A
IP Ratings	IP67, IP6K9K	IP67 mated
Mating Cycles	50+	50+
Contact Types	Machined	Machined
Business Unit	APCD SZ	APCD SZ




EXCEL MATE PLUS	EXCEL MATE S	FICX
		
Lever	Lever	Threaded Coupling
1-3	2, 3	2-5
Plastic	Plastic	Thermoplastic
4 thru 2/0 AWG	4 thru 1/0 AWG	18 thru 12 AWG
120 to 250A	120 to 180A	8A to 20A
IP67, IP6K9K	IP67, IP6K9K	IP68
50+	50+	
Machined	Machined	Screw
APCD SZ	APCD SZ	ALTW


FLO & FLO+	HC Series, Power and Signal	HDMI
		
Push-Pull	Lever Lock, Reverse Flange Mount	Threaded Coupling, Latch
2-32	26 Signal, 6 Power	19
PPS	Thermoplastic	Thermoplastic
26 thru 10 AWG	Signal: 22 thru 20 AWG, Power: 18 thru 14 AWG	26 AWG
1.5A to 35A	Signal: 5A, Power: 13A	0.5A
IP50, IP68 mated	IP67, IP6K9K (in mated condition)	IP67
5000+	100 cycles	500+
PCB, Solder	Pin & Socket, Stamped and Formed Crimp	PCB
ALTW	ATPI	ALTW

TRANSPORTATION

Series	Heavy Mate	Heavymate®
		
Coupling System	Lever	Quick Latching
Contact Positions	1-108	6-140
Housing Material	Metal	Metal
AWG	26 thru 500 MCM AWG	28 thru 3/0 AWG
Contact Current Ratings	5 to 700A	10A to 300A
IP Ratings	IP65, IP68	IP65, 67, 68, 69K mated
Mating Cycles	500+	500+
Contact Types	Machined	Crimp (Turned/Stamped & Formed), Screw, Push-In, Cage Clamp
Business Unit	APCD SZ	ATI

Series	HPT Series	HS-Lok
		
Coupling System	Bayonet Coupling	Push-Lock
Contact Positions	1 to 61	2-6
Housing Material	Metal / Glass	Thermoplastic
AWG	22 thru 12 AWG	24 thru 20 AWG
Contact Current Ratings	5A to 17A	2A to 5A
IP Ratings	High Pressures up to 1.0×10 ⁻⁶ cc/sec. at 15 psi differential	IP68 unmated & mated
Mating Cycles	500+	2000+
Contact Types	Machined Solder	Solder
Business Unit	AIO / ATZ	ALTW




HVPC	HVPT	HVPTB
		
Screw	Screw	Screw
1-2	1-3	1-3
Metal	Plastic	Plastic
2 thru 1/0 AWG	4 thru 2/0 AWG	4 thru 2/0 AWG
150 to 180A	120 to 250A	120 to 250A
IP67, IP6K9K	IP67, IP6K9K	IP67, IP6K9K
50+		
Machined		
APCD SZ	APCD SZ	APCD SZ

HVPTB 2A	HVSL280	HVSL282
		
Screw	CPA	CPA
2	3	2
Plastic	Plastic	Plastic
14 thru 10 AWG	14 thru 12 AWG	14 thru 12 AWG
23 to 50A	16 to 23A	16 to 23A
IP67, IP6K9K	IP67, IP6K9K	IP67, IP6K9K
	50+	50+
	Stamped & Formed	Stamped & Formed
APCD SZ	APCD SZ	APCD SZ

TRANSPORTATION

Series	HVSL362	HVSL364
		
Coupling System	CPA	CPA
Contact Positions	2	4
Housing Material	Plastic	Plastic
AWG	10 thru 8 AWG	14 thru 10 AWG
Contact Current Ratings	60A	46A
IP Ratings	IP67, IP6K9K	IP67, IP6K9K
Mating Cycles	50+	50+
Contact Types	Stamped & Formed	Stamped & Formed
Business Unit	APCD SZ	APCD SZ

Series	HVSL633	Jumper
		
Coupling System	CPA	Latch
Contact Positions	3	204
Housing Material	Plastic	Metal
AWG	12 thru 10 AWG	22 thru 1/0 AWG
Contact Current Ratings	23 to 40A	1 to 100A
IP Ratings	IP67, IP6K9K	IP67 mated
Mating Cycles	50+	500+
Contact Types	Stamped & Formed	Machined
Business Unit	APCD SZ	APCD SZ

LED Indicator	LPT Series	M12 Snap On & Screw
		
Threaded Coupling	Bayonet Coupling	Snap on, screw
	4 to 55	4,8
Thermoplastic, Metal	Metal	Metal
	22 thru 12 AWG	28 thru 18 AWG
	7.5A to 23A	0.5 to 4 A
IP67	IP67 mated	IP67 (in mated condition)
	500	100 cycles
Solder	Machined Crimp, Stamped & Formed Crimp	Snap on, screw
ALTW	AIO / ATZ	APCD SZ

Max-M12	M-Series	NMEA 2000
		
Threaded Coupling	Threaded Coupling, Snap-in	Threaded Coupling
3/4/5/8/12	2-17	4-5
Metal	Metal, Thermoplastic	Thermoplastic
24 thru 16 AWG	26 thru 16 AWG	24 thru 15 AWG
4A max	0.5A to 28A	4A to 8A
IP67 mated	IP68 unmated & mated, IP69K	IP67
100+	1000+	1000+
Machined Solder	PCB, Solder, Crimp, IDC, Push-in, Screw	PCB, Solder, Screw
AIO / ATZ	ALTW	ALTW

TRANSPORTATION


Series	OM RADSOK® on Cable & Busbar	Power
		
Coupling System	Bolt Down, Latch, Custom	Threaded Coupling, Lock Bayonet
Contact Positions	1 - 3, Custom	2-12
Housing Material	Thermoplastic	Thermoplastic
AWG	8 thru 300 MCM AWG	18 thru 10 AWG
Contact Current Ratings	70A to 400A	8A to 50A
IP Ratings	IP2X, IP67, IPx9k, as Required	IP67 unmated & mated
Mating Cycles	100+	1000+
Contact Types	Machined, Stamped & Formed	Solder, Screw, Crimp
Business Unit	ATPI	ALTW

Series	PowerLok	PowerLok 4.0
		
Coupling System	Latch, Lever Lock	Latch, Lever Lock
Contact Positions	1, 2, and 3 Position	2, 3, and 4 Position
Housing Material	Metal	Metal
AWG	8 thru 300 MCM AWG	14 thru 8 AWG
Contact Current Ratings	up to 500A	up to 60A
IP Ratings	IP2X unmated, IP67 mated	IP2X unmated, IP67 mated
Mating Cycles	100+	100+
Contact Types	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	Machined
Business Unit	ATPI	ATPI

PowerLok G2	PT Series	RadLok
		
Lever Lock	Bayonet Coupling	Pushbutton Latch
1, 2, and 3 position Power w/ HVIL	1 to 61	1
Aluminum	Metal	Thermoplastic
2 thru 4/0 AWG	22 thru 12 AWG	8 thru 300 MCM AWG
up to 450A	7.5A to 23A	70A to 500A
IP67, IP6K9K (in mated condition)	IP67 mated	IP2X / IP30 mated
100 cycles	500	100+
RADSOK®, Crimp Barrel, Machined Lug, Threaded Post	Machined Solder, Machined Crimp	RADSOK®, Crimp Barrel, Machined Lug, Threaded Post
ATPI	AIO / ATZ	ATPI


RBL	RF	Rigid-Flex - Type IV
		
Push-Lock with Latch	Threaded Coupling	Yes
2-18		3-16
Thermoplastic	Metal	Polyimide
20 thru 12 AWG		Yes
5A to 20A		
IP67	IP68	N/A
250+	500+	Dependant on termination system
Solder, Crimp	Crimp, PCB	Copper
ALTW	ALTW	GASF

TRANSPORTATION

Series	RJ	SSL
		
Coupling System	Threaded Coupling, Lock Bayonet	Threaded Coupling, Snap-In
Contact Positions	8	2-6
Housing Material	Thermoplastic	Thermoplastic
AWG	24 AWG	22 thru 18 AWG
Contact Current Ratings	2A	3A to 12A
IP Ratings	IP67	IP68
Mating Cycles	750+	SSL 1.1: 100 cycles SSL 1.2: 30 cycles SSL 1.3: 10 cycles SSL 2.1: 20 cycles SSL 2.3: 100 cycles
Contact Types	PCB, Solder	Crimp, Solder, SMT
Business Unit	ALTW	ALTW

Series	Star-Line	Terminal Blocks
		
Coupling System	Threaded Coupling	Screw, Fast On, Spring
Contact Positions	1 - 143	1-6
Housing Material	Hard anodized AL or SS316L	Plastic
AWG	18 AWG thru 777 MCM	20 thru 350 MCM AWG
Contact Current Ratings	1500A	5 to 320A
IP Ratings	IP67, IP68	IP67 mated
Mating Cycles	500+	500+
Contact Types	Machined Solder, Crimp, Set Screw, RADSOK® Available	Machined
Business Unit	AOGT	APCD SZ

Tru-Loc®	USB	VENT
		
Integral Latch	Threaded Coupling, Lock Bayonet, Snap-In	Threaded Coupling, Snap-In
24/6	4-24	
Thermoplastic	Metal, Thermoplastic	Stainless, Metal, Thermoplastic
16 AWG	32 thru 23 AWG	
13A	1A to 5A	
IP67 mated	IP67, IP68 unmated & mated	IP68, IP69K
100+	USB A/B: 1000 cycles USB C: 10000 cycles Micro USB: 10000 cycles	
Stamped & Formed Crimp (RADSOK®)	PCB, Solder	
AIO / ATZ	ALTW	ALTW

X-Lok

Push-Lock
2-18
Thermoplastic
24 thru 12 AWG
2A to 20A
IP68
1000+
Solder, Crimp, Screw, Push-in
ALTW

WIRELESS / BROADBAND / DATA CENTER

In addition to leading expertise in applications such as cellular base stations, cell site antenna systems, combiners, filters and amplifiers, core network controllers, mobile switches, radio links and wireless routers, Amphenol works with service providers around the world to offer an array of antennas and installation-related site solution interconnect products for the wireless market.

Amphenol leads the way in broadband communications. Offering a wide range of coaxial cable, interconnect and passive products to service the broadband market, from customer premises cables and interconnect devices to distribution cable and fiber optic components. Amphenol also has diverse interconnect products deployed on a wide range of broadband equipment.

Amphenol's range of offerings in connectors, cable assemblies, power distribution assemblies and busbars, fiber optics and high-performance cable span applications in servers, storage systems, optical and copper networking equipment, cloud computing and data centers, transmission and internet appliances. With our industry-leading high-speed, power and fiber optic technologies, together with superior simulation and testing capability and cost effectiveness, Amphenol is a market leader in interconnect development for the information technology and datacom market. Amphenol provides customers with products that enable performance at the leading edge of next generation, high-speed power and fiber optics technology.

GLOBAL OPERATIONS

Amphenol Industrial Operations (AIO / ATZ)

USA | www.amphenol-industrial.com

Amphenol LTW Technology Co. Ltd. (ALTW)

Taiwan | www.amphenolltw.com

Amphenol PCD Shenzhen (APCD SZ)

China | www.amphenolpcd.com.cn

Guangzhou Amphenol Sincere Flex Circuits Co. Ltd (GASF)

China | www.amphenol-gasf.com




WIRELESS / BROADBAND / DATA CENTER

Series	Amphe-Lite	Amphe-Lite M3
		
Coupling System	ACME Threads	ACME Threads
Contact Positions	2 to 128	2 to 128
Housing Material	Composite	Metal
AWG	24 thru 10 AWG	24 thru 10 AWG
Contact Current Ratings	5A to 33A	5A to 33A
IP Ratings	IP67 / IP69K mated	IP67 / IP69K mated
Mating Cycles	500+	500+
Contact Types	Machined Crimp	Machined Crimp
Business Unit	AIO / ATZ	AIO / ATZ


Series	Amphe-PD™	Amphe-PRB Series
		
Coupling System	Integral Latch	Reverse Bayonet Coupling
Contact Positions	2	3-5
Housing Material	Plastic	Thermoplastic
AWG	12 thru 4 AWG	12 thru 8 AWG
Contact Current Ratings	up to 120A	23A to 70A
IP Ratings	N/A	IP67 mated
Mating Cycles	N/A	100
Contact Types	RADSOK® Crimp, PCB or Busbar	Machined Set Screw
Business Unit	AIO / ATZ	AIO / ATZ



ASRC-M	ASTP	ASTE
		
Screw	Latch	Latch
8-48	34-50	4-8
Metal	Metal	Plastic
26 thru 16 AWG	26 thru 12 AWG	26 thru 16 AWG
1 to 13A	1 to 23A	1 to 13A
IP67 mated	IP67 mated	IP67 mated
500+	500+	500+
Machined	Machined	Machined
APCD SZ	APCD SZ	APCD SZ

Cable Gland	Cable Glands Industrial	Cable Joiner
		
Threaded Coupling	Threaded Coupling	Threaded Coupling / Snap-In with Latch
Thermoplastic	Nylon and Metal	4 Thermoplastic
IP67, IP68	IP65, IP67 and IP68	16 thru 10 AWG 10A to 30A IP67
		Crimp
ALTW	AIO / ATZ	ALTW

WIRELESS / BROADBAND / DATA CENTER



Series	Ceres	D-SUB
		
Coupling System	Threaded Coupling, Lock Bayonet	Threaded Coupling
Contact Positions	2-31	9-78
Housing Material	Thermoplastic	Thermoplastic, Metal
AWG	26 thru 14 AWG	26 thru 24 AWG
Contact Current Ratings	2A to 20A	2A to 5A
IP Ratings	IP67 unmated & mated	IP67, IP68
Mating Cycles	1000+	500+
Contact Types	PCB, Solder, Crimp, Screw	PCB, Solder, Crimp
Business Unit	ALTW	ALTW

Series	D-SUB with EMI Shell	DVI
		
Coupling System	Screw	Threaded Coupling
Contact Positions	9-15	19-29
Housing Material	Metal	Thermoplastic
AWG	26 thru 18 AWG	28 AWG
Contact Current Ratings	1 to 7.5A	1.5A
IP Ratings	IP67 mated	IP67, IP68
Mating Cycles	500+	100+
Contact Types	Machined	PCB
Business Unit	APCD SZ	ALTW

Fiber	FICX	FLO & FLO+
		
Lock Bayonet	Threaded Coupling	Push-Pull
	2-5	2-32
Thermoplastic	Thermoplastic	PPS
	18 thru 12 AWG	26 thru 10 AWG
	8A to 20A	1.5A to 35A
IP67	IP68	IP50, IP68 mated
		5000+
	Screw	PCB, Solder
ALTW	ALTW	ALTW


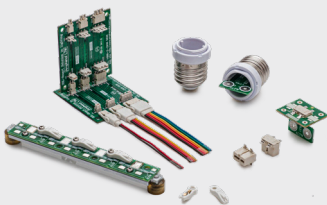
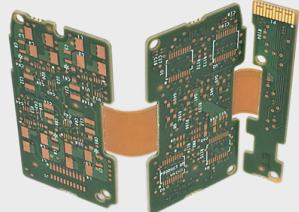
HDMI	High Speed Flex	HS-Lok
		
Threaded Coupling, Latch	Connector termination	Push-Lock
19	Any as defined by design	2-6
Thermoplastic	Polyimide	Thermoplastic
26 AWG	Various as defined by design	24 thru 20 AWG
0.5A		2A to 5A
IP67	N/A	IP68 unmated & mated
500+	Dependant on termination system	2000+
PCB	Copper on flex or usable with any variety of SMT or through hole connector systems.	Solder
ALTW	GASF	ALTW

WIRELESS / BROADBAND / DATA CENTER

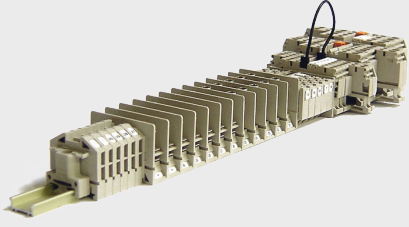

Series	M-Series	Micro-B
		
Coupling System	Threaded Coupling, Snap-in	Bayonet Coupling
Contact Positions	2-17	7/10/15
Housing Material	Metal, Thermoplastic	Metal
AWG	26 thru 16 AWG	24 thru 20 AWG
Contact Current Ratings	0.5A to 28A	5A
IP Ratings	IP68 unmated & mated, IP69K	IP67 mated
Mating Cycles	1000+	500+
Contact Types	PCB, Solder, Crimp, IDC, Push-in, Screw	Stamped & Formed Crimp
Business Unit	ALTW	AIO / ATZ

Series	O-BTS Series	Power
		
Coupling System	Bayonet Coupling	Threaded Coupling, Lock Bayonet
Contact Positions	2* size12	2-12
Housing Material	Metal	Thermoplastic
AWG	18 thru 12 AWG	18 thru 10 AWG
Contact Current Ratings	26A, 55A	8A to 50A
IP Ratings	IP67 mated	IP67 unmated & mated
Mating Cycles	100+	1000+
Contact Types	Machined Crimp, Machined Set Screw	Solder, Screw, Crimp
Business Unit	AIO / ATZ	ALTW

RADSOK® PTB Connectors	RBL	RF
		
N/A	Push-Lock with Latch	Threaded Coupling
1	2-18	
Metal	Thermoplastic	Metal
N/A	20 thru 12 AWG	
35A-1200A	5A to 20A	
N/A	IP67	IP68
100 cycles	250+	500+
Machined RADSOK®	Solder, Crimp	Crimp, PCB
AIO / ATZ	ALTW	ALTW

RJ	SSL	Standard Flex (Type I-IV)
		
Threaded Coupling, Lock Bayonet	Threaded Coupling, Snap-In	Connector termination
8	2-6	Any as defined by design
Thermoplastic	Thermoplastic	Polyimide
24 AWG	22 thru 18 AWG	Various as defined by design
2A	3A to 12A	
IP67	IP68	N/A
750+	SSL 1.1: 100 cycles SSL 1.2: 30 cycles SSL 1.3: 10 cycles SSL 2.1: 20 cycles SSL 2.3: 100 cycles	Dependant on termination system
PCB, Solder	Crimp, Solder, SMT	Copper on flex or usable with any variety of SMT or through hole connector systems.
ALTW	ALTW	GASF

WIRELESS / BROADBAND / DATA CENTER

Series	Terminal Blocks	USB
		
Coupling System	Screw, Fast On, Spring	Threaded Coupling, Lock Bayonet, Snap-In
Contact Positions	1-6	4-24
Housing Material	Plastic	Metal, Thermoplastic
AWG	20 thru 350 MCM AWG	32 thru 23 AWG
Contact Current Ratings	5 to 320A	1A to 5A
IP Ratings	IP67 mated	IP67, IP68 unmated & mated
Mating Cycles	500+	USB A/B: 1000 cycles USB C: 10000 cycles Micro USB: 10000 cycles
Contact Types	Machined	PCB, Solder
Business Unit	APCD SZ	ALTW

Series	VENT	XCEL POWER MATE
		
Coupling System	Threaded Coupling, Snap-In	Bayonet
Contact Positions		2-5
Housing Material	Stainless, Metal, Thermoplastic	Plastic
AWG		14 thru 10 AWG
Contact Current Ratings		10 to 46A
IP Ratings	IP68, IP69K	IP67 mated
Mating Cycles		500+
Contact Types		Machined
Business Unit	ALTW	APCD SZ

X-Lok



Push-Lock

2-18

Thermoplastic

24 thru 12 AWG

2A to 20A

IP68

1000+

Solder, Crimp, Screw, Push-in

ALTW

