



COMMERCIAL INTERCONNECT

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Connectors for Flexible Circuitry (FFC/FPC/CIC)

FCI offers a complete range of innovative flex circuit products with Light Insertion Force (LIF) and Zero Insertion Force (ZIF), vertical and right-angle orientations, surface-mount and thru-hole terminations—in contact spacing options all the way down to 0.3 mm. Further options are available, such as cable locking, backflip actuators, and additional mounting devices.



Features ▶

- Gas-tight contact system
- Broad offering
- ZIF with prehold
- Backflip options
- Low profile and small footprint

Benefits ▶

- Highly reliable performance
- Product for many applications
- Improved application quality
- Optimized PCB utilization

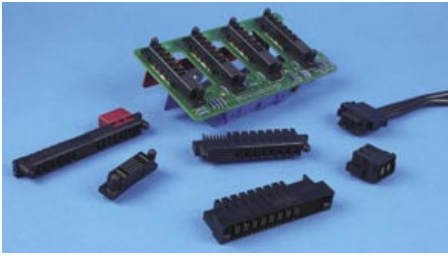
Applications ▶

- Displays
- Process control
- MicroTCA/embedded systems
- Barcode scanners/handhelds
- Human-machine interfaces

Product Specifications ▶

Part Number*	Series	Pitch (mm)	Height (mm)	Contact Location	ZIF/Non-ZIF	Positions Available
10061122	YLL-D	0.3	0.9	Down	ZIF	15, 21, 33, 35, 39, 41
10064555	YLL-U	0.3	0.9	Upper	Non-ZIF	23, 31, 33, 35, 37, 39
10013057	SFYL-D	0.3	1.2	Down	Non-ZIF	17, 21, 25, 29, 31, 35, 45
10017251	SFYL-U	0.3	1.2	Upper	Non-ZIF	11, 15, 19, 23, 25, 27, 31, 39, 45, 51
62789	SFY	0.3	2.0	Down	ZIF	27, 45, 51, 57, 67
10051806	GLH	0.4	1.2	Down	ZIF	57, 60
10042867	VLH	0.5	1.3	Down	ZIF	40, 45, 50
10051922	VLL	0.5	1.3	Down	ZIF	8, 10, 11, 12, 14, 15, 16, 18, 20, 22, 24, 26, 28, 30
59453-xx1	SFVL-D	0.5	0.9	Down	ZIF	4, 5, 6, 7, 8, 9, 12
59453-xx2	SFVL-U	0.5	0.9	Upper	ZIF	4, 5, 6, 8
10014265	SFVA	0.5	2.0	Both	ZIF	60
10054365	SFVE	0.5	1.2	Upper	ZIF	18, 20, 28, 30
62684-xx1	OPU-D	0.5	2.0	Down	ZIF	38, 40, 45, 50, 57, 60
62684-xx2	OPU-U	0.5	2.0	Upper	ZIF	32, 34, 36, 40, 43, 45, 50, 55, 57
SFVxxR	SFV-R	0.5	1.8	Right angle	ZIF	4-35
62674	SFV-S	0.5	2.95	Vertical	ZIF	8, 12, 16, 20, 21, 23, 24, 25, 30, 32, 33
SFW	SFW-R	1.0	2.7	Right angle	ZIF	4-30
SFW	SFW-S	1.0	3.6	Vertical	ZIF	4, 5, 6, 8, 10, 15, 16, 17, 18, 19, 20, 22, 23, 24, 26, 28, 30
HFW	HFW-S	1.0	3.6	Vertical	Non-ZIF	4-30
HFW	HFW-R	1.0	1.9	Right angle	Non-ZIF	4-33
SLW	SLW-R	1.0	4	Right angle	ZIF	4-30
SLW	SLW-S	1.0	5.5	Vertical	ZIF	4-30
HLW	HLW-R	1.0	3.9	Upper	Non-ZIF	4-32
HLW	HLW-S	1.0	5.9	Vertical	Non-ZIF	4-32

*xx = number of positions



PwrBlade® Power Management Connector System

PwrBlade® power distribution connector system from FCI includes power and signal contacts that provide power distribution and power control in a single interface. Options for either vertical or right-angle versions of both headers and corresponding receptacles deliver support for coplanar, backplane, or mezzanine connections. PwrBlade® connectors can be provided with one to 20 power contacts and zero to 148 signal contacts.

Features ▶

- Up to two levels of sequential mating
- Molded guideposts on header
- Board-retention devices
- Thru-hole or press-fit termination
- Optional AC port

Benefits ▶

- Connector system provides hot-swap capability
- Assured alignment during blind-mate operation
- Connector designed for maximum ruggedness
- Superior versatility

Applications ▶

- Industrial controls
- Power supplies
- Industrial PCs

Product Specifications ▶

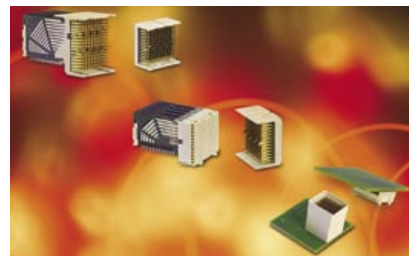
Part Number	Gender	Orientation	Configuration
51416	Receptacle	Right angle	1 power, 24 signal, 1 power
51666	Receptacle	Vertical	1 power, 24 signal, 1 power
51415	Header	Right angle	1 power, 24 signal, 1 power
51952	Header	Vertical	1 power, 24 signal, 1 power
51261	Receptacle	Vertical	12 power, 24 signal
51617	Receptacle	Vertical	12 power, 24 signal
51219	Header	Right angle	12 power, 24 signal
51625	Receptacle	Right angle	6 power, 24 signal, 5 power
51667	Receptacle	Vertical	6 power, 24 signal, 5 power
51624	Header	Right angle	6 power, 24 signal, 5 power
51860	Header	Vertical	6 power, 24 signal, 5 power
51894	Receptacle – AC cable port	Right angle	Power, signal, power, cable
51919	Receptacle – AC cable port	Right angle	Power, cable
51921	Receptacle – AC cable port	Right angle	Signal, power, cable
51923	Receptacle – AC cable port	Right angle	Power, signal, cable
51897	Receptacle – AC cable port	Vertical	Power, signal, power, cable
51925	Receptacle – AC cable port	Vertical	Power, cable
51927	Receptacle – AC cable port	Vertical	Signal, power, cable
51929	Receptacle – AC cable port	Vertical	Power, signal, cable

Note: Above part numbers are for reference, based upon server/storage infrastructure standard. Other configurations are available upon request.



Airmax VS® High-Speed Connector System

The Airmax VS® high-speed connector creates a revolutionary interconnect system, based on hard-metric building practices, offering scalability, high density, and performance headroom. Virtual Shield (VS) technology requires no interleaving shields to achieve its impressive performance; elimination of these shields results in lower cost and weight with greater construction flexibility. Airmax VS connectors, usable for differential-pair and single-ended signaling, are available for backplane, coplanar, mezzanine, and cable configurations.



Features ▶

- Shieldless connector system
- High pin density per module
- Low weight and mating forces
- Supports data speeds up to 12 Gb/s and beyond
- Full range of accessories

Benefits ▶

- Improved PCB routing
- Optimized board real estate consumption
- Provides high reliability
- Headroom to support tomorrow's designs today
- A complete connector system

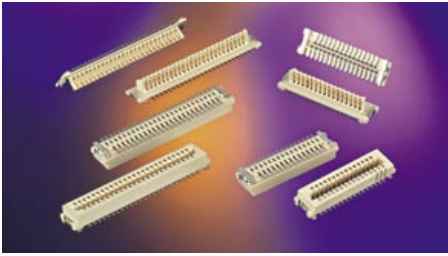
Applications ▶

- In-flight entertainment
- Gaming
- Industrial controls

Product Specifications ▶

Part Number	Connector Application	Gender	Orientation	Contacts per Module	Differential Pairs per Module
10034249	Backplane - standard gender	Header	Right angle	90	30
10034251		Receptacle	Vertical	90	30
10045267		Header	Right angle	72	24
10045271		Receptacle	Vertical	72	24
10039851		Header	Right angle	54	18
10043546		Receptacle	Vertical	54	18
10056103	Backplane - reverse gender	Header	Vertical	90	30
10056335		Receptacle	Right angle	90	30
10056101		Header	Vertical	54	18
10053656		Receptacle	Right angle	54	18
10034249	Coplanar	Header	Right angle	90	30
10056335		Receptacle	Right angle	90	30
10039851		Header	Right angle	54	18
10053656		Receptacle	Right angle	54	18
10056103	Mezzanine	Header	Vertical	90	30
10034251		Receptacle	Vertical	90	30
10056101		Header	Vertical	54	18
10043546		Receptacle	Vertical	54	18

Note: Above part number listings are for 3-pair products, the most commonly used in industrial applications. Higher pin-count products are available as standard items, up to 5-pair.



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

Conan® and BergStak® mezzanine board-to-board connectors are excellent for mating two parallel boards in industrial applications. Designed for applications with high shock and vibration demands, these high density connectors use a durable blade-on-beam contact system that allows connectors to peel without stubbing during unmating. Lead-in and polarization assist with blind mating. An audible click signals correct mating.

Features ▶

- Blade-on-beam contact system
- Audible click on mating
- Polarized interface
- Selective plating
- Optional pick and place caps

Benefits ▶

- Durability in demanding applications
- Ensures proper mating
- Provides best-possible cost position
- Easily utilized with automated assembly

Applications ▶

- Handheld devices
- POS equipment
- Industrial controls

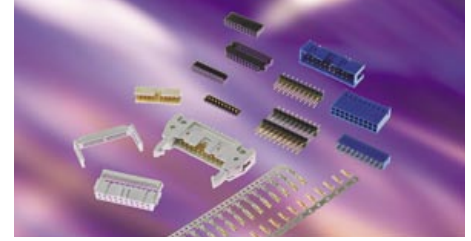
Product Specifications ▶

Part Number	Product	Description	Polarization Peg	Pick and Place Cap	Available Positions	Available Stack Heights (mm)
91900	Conan 1.0 mm pitch	Plug	No	No	9-69 positions	4.15-7
91901	Conan 1.0 mm pitch	Plug	No	Yes	9-69 positions	4.15-7
91910	Conan 1.0 mm pitch	Plug	Yes	No	9-69 positions	4.15-7
91911	Conan 1.0 mm pitch	Plug	Yes	Yes	9-69 positions	4.15-7
91920	Conan 1.0 mm pitch	Receptacle	No	No	9-69 positions	4.15-7
91921	Conan 1.0 mm pitch	Receptacle	No	Yes	9-69 positions	4.15-7
91930	Conan 1.0 mm pitch	Receptacle	Yes	No	9-69 positions	4.15-7
91931	Conan 1.0 mm pitch	Receptacle	Yes	Yes	9-69 positions	4.15-7
61083	Bergstak 0.8 mm pitch	Plug	Optional	Optional	9-69 positions	5-16
61082	Bergstak 0.8 mm pitch	Receptacle	Optional	Optional	9-69 positions	5-16



Basics+ 2.0 mm and 2.54 mm Modular Connector Systems

FCI's Basics+ program consists of 2.54 mm (0.10") and 2 mm pitch connectors for board-to-board, wire-to-board, and cable-to-board applications and offers outstanding service on industry-standard products. These include BergStik® 2.54 mm unshrouded headers, PV™ high-performance dual-spring crimp-to-wire contacts, and Minitek™ 2 mm modular system.



Features ▶

- Industry-leading product performance
- Popular industry-standard parts
- Easy product selection

Benefits ▶

- Products that hold up to industrial applications

Applications ▶

- Industrial controls
- Security
- Gaming
- Industrial equipment

Product Specifications ▶

Part Number	Connector Type	Pitch Inches (mm)	Number of Rows	Positions Available	Termination	Comments
77311	Unshrouded header	.100 (2.54)	1	2-36	Thru-hole	Selective-plated
77313	Unshrouded header	.100 (2.54)	2	4-72	Thru-hole	Selective-plated
95278	Unshrouded header	.100 (2.54)	2	4-50	SMT	Selective-plated
68000	Unshrouded header	.100 (2.54)	1	1-36	Thru-hole	Fully-plated
68001	Unshrouded header	.100 (2.54)	1	1-36	Thru-hole	Fully-plated
68002	Unshrouded header	.100 (2.54)	1	1-36	Thru-hole	Fully-plated
67996	Unshrouded header	.100 (2.54)	2	2-72	Thru-hole	Fully-plated
67997	Unshrouded header	.100 (2.54)	2	2-72	Thru-hole	Fully-plated
68602	Unshrouded header	.100 (2.54)	2	2-72	Thru-hole	Fully-plated
68786	Shunt	.100 (2.54)	2	2	NA	NA
89898	Board-mount receptacle	.100 (2.54)	2	2-25	SMT	NA
71991	Board-mount receptacle	.100 (2.54)	2	2-50	Thru-hole	NA
76384	Shrouded header	.100 (2.54)	1	2-18	Thru-hole	NA
76385	Shrouded header	.100 (2.54)	2	4-36	Thru-hole	NA
76347	Crimp-to-wire contact	.100 (2.54)	NA	NA	NA	NA
65240	Crimp-to-wire contact	.100 (2.54)	1	2-36	NA	NA
65239	Crimp-to-wire contact	.100 (2.54)	2	4-72	NA	NA
71918	IDC eject header	.100 (2.54)	2	6-64	Thru-hole	NA
71922	IDC eject header	.100 (2.54)	2	6-64	Thru-hole	Right-angle
71600	IDC receptacle	.100 (2.54)	2	4-64	NA	NA
57202	Unshrouded header	.079 (2)	2	4-50	SMT	NA
55510	Board-mount receptacle	.079 (2)	2	4-50	SMT	NA
98424	Shrouded header	.079 (2)	2	4-50	SMT	NA
77138	Crimp-to-wire contact	.079 (2)	NA	NA	NA	NA
90311	Crimp-to-wire housing	.079 (2)	2	4-50	NA	NA

Note: The above part numbers are a subset of the in-stock core range of products. Additional items are available in stock or with very short lead times.



MicroTCA™ Card-Edge Connectors

MicroTCA™ (μTCA™) vertical card-edge connectors provide 170 contacts on a 0.75 mm pitch. They enable AdvancedMC™ (AMC™) modules to be plugged directly to a backplane, via press-fit or surface-mount termination. MicroTCA architecture, now used extensively in embedded computing systems for industrial applications, creates a physically small but very powerful system inside a 4U height and 300 mm depth.

Features ▶

- Optional press-fit or surface-mount termination
- Surface-mount connectors feature additional metal retention clips
- Excellent signal integrity up to 12.5 Gb/s per lane
- Telcordia UE compliant

Benefits ▶

- MicroTCA applications becoming widely available
- Robust connector for a variety of MicroTCA applications

Applications ▶

- Industrial networking
- Gaming systems
- Industrial automation

Product Specifications ▶

Part Number	Termination Type
10058835	Surface-mount
10058831	Press-fit



D-Subminiature Connectors and Accessories

FCI's broad range of D-subminiatures includes both board-mounted and cable terminations to satisfy most industrial requirements. Board-mounted products are available in press-fit, thru-hole, and pin-in-paste terminations. Pin-in-paste technology provides the lower application cost of surface-mount reflow with the improved mechanical characteristics of thru-hole soldering. FCI's complete offering of mixed power D-subminiatures ranges from size 2V2 to 36W4.



Features ▶

- Cable and board-mount available
- Full line of accessories, including hoods, shells, and locking devices
- Thru-hole, press-fit, and pin-in-paste offerings

Benefits ▶

- One source for your entire D-sub requirement

Applications ▶

- Process-control equipment
- Industrial PC
- POS terminal

Product Specifications ▶

Part Number*	Series Name	Mounting Location	Type	Gender	Orientation	Termination	Other
DXXS33E4GX00LF	Delta D	PCB	Signal	Socket	Right angle	Thru-hole	Insert 4-40 UNC
DXXS33E4GV00LF	Delta D	PCB	Signal	Socket	Right angle	Thru-hole	Female screw 4-40 UNC
DXXP33E4GX00LF	Delta D	PCB	Signal	Pin	Right angle	Thru-hole	Insert 4-40 UNC
DXXP33E4GV00LF	Delta D	PCB	Signal	Pin	Right angle	Thru-hole	Female screw 4-40 UNC
DXXP80C4GX00LF	Delta D	PCB	Signal	Pin	Right angle	Press-fit	Insert 4-40 UNC
DXXP80C4GV00LF	Delta D	PCB	Signal	Pin	Right angle	Press-fit	Female screw 4-40 UNC
DXXS80C4GX00LF	Delta D	PCB	Signal	Socket	Right angle	Press-fit	Insert 4-40 UNC
DXXS80C4GV00LF	Delta D	PCB	Signal	Socket	Right angle	Press-fit	Female screw 4-40 UNC
DXXS24A4GV00LF	Delta D	PCB	Signal	Socket	Vertical	Thru-hole	Female screw 4-40 UNC
DXXP24A4GV00LF	Delta D	PCB	Signal	Pin	Vertical	Thru-hole	Female screw 4-40 UNC
DXXS91C4PX00LF	Delta D	PCB	Signal	Socket	Vertical	Press-fit	Insert 4-40 UNC
DXXP91C4PX00LF	Delta D	PCB	Signal	Pin	Vertical	Press-fit	Female screw 4-40 UNC
DXXS91C4PV00LF	Delta D	PCB	Signal	Socket	Vertical	Press-fit	Insert 4-40 UNC
DXXP91C4PV00LF	Delta D	PCB	Signal	Pin	Vertical	Press-fit	Female screw 4-40 UNC
DXXS24A6RV09LF	Delta D	PCB	Signal	Socket	Vertical	Pin-in-paste	Female screw 4-40 UNC
DXXP24A6RV09LF	Delta D	PCB	Signal	Pin	Vertical	Pin-in-paste	Female screw 4-40 UNC
DXXS33E6RX09LF	Delta D	PCB	Signal	Socket	Right angle	Pin-in-paste	Insert 4-40 UNC
DXXP33E6RX09LF	Delta D	PCB	Signal	Pin	Right angle	Pin-in-paste	Insert 4-40 UNC
DXWXS36A6GX08LF	Delta D	PCB	Power	Socket	Right angle	Thru-hole	Insert 4-40 UNC
DXWXP36A6GX08LF	Delta D	PCB	Power	Pin	Right angle	Thru-hole	Insert 4-40 UNC
DXWXS36A6GV08LF	Delta D	PCB	Power	Socket	Right angle	Thru-hole	Female screw 4-40 UNC
DXWXP36A6GV08LF	Delta D	PCB	Power	Pin	Right angle	Thru-hole	Female screw 4-40 UNC
DE09S064TLF	D Series	Cable	Signal	Socket	Vertical	Solder bucket	NA
DE09P064TXLF	D Series	Cable	Signal	Pin	Vertical	Solder bucket	NA
DA15S064TLF	D Series	Cable	Signal	Socket	Vertical	Solder bucket	NA
DA15P064TXLF	D Series	Cable	Signal	Pin	Vertical	Solder bucket	NA
DB25S064TLF	D Series	Cable	Signal	Socket	Vertical	Solder bucket	NA
DB25P064TXLF	D Series	Cable	Signal	Pin	Vertical	Solder bucket	NA
8656XSLTLF	8656 Series	Cable	Signal	Socket	Vertical	Crimp	Contacts ordered separately
8656XPLTLF	8657 Series	Cable	Signal	Pin	Vertical	Crimp	Contacts ordered separately
8656350064LF	8658 Series	Cable	Signal	Pin	Vertical	Crimp	Contact for 8656 series
DA3W3SA00LF	DW Series	Cable	Power and signal	Socket	Vertical	Solder bucket or crimp	Contacts ordered separately
DA3W3PA00LF	DW Series	Cable	Power and signal	Pin	Vertical	Solder bucket or crimp	Contacts ordered separately
DA7W2SA00LF	DW Series	Cable	Power and signal	Socket	Vertical	Solder bucket or crimp	Contacts ordered separately
DA7W2PA00LF	DW Series	Cable	Power and signal	Pin	Vertical	Solder bucket or crimp	Contacts ordered separately
DC8W8SA00LF	DW Series	Cable	Power and signal	Socket	Vertical	Solder bucket or crimp	Contacts ordered separately
DC8W8PA00LF	DW Series	Cable	Power and signal	Pin	Vertical	Solder bucket or crimp	Contacts ordered separately
DB5W5SA00LF	DW Series	Cable	Power and signal	Socket	Vertical	Solder bucket or crimp	Contacts ordered separately
DB5W5PA00LF	DW Series	Cable	Power and signal	Pin	Vertical	Solder bucket or crimp	Contacts ordered separately
8638PSS1005LF	DW Series	Cable	Power	Socket	NA	Solder bucket	10A Power contact for DW Series
8638PPS1005LF	DW Series	Cable	Power	Pin	NA	Solder bucket	10A Power contact for DW Series
8638PSS2005LF	DW Series	Cable	Power	Socket	NA	Solder bucket	20A Power contact for DW Series
8638PPS2005LF	DW Series	Cable	Power	Pin	NA	Solder bucket	20A Power contact for DW Series
8638PSS4005LF	DW Series	Cable	Power	Socket	NA	Solder bucket	40A Power contact for DW Series
8638PPS4005LF	DW Series	Cable	Power	Pin	NA	Solder bucket	NA

*xx = number of positions. Note: Above are representative part numbers in FCI's 'core range'; additional items available upon request.

Arrow Industrial Selector Guide

800-349-4960 | www.arrow.com/industrial



Micro Connectors

ITT Cannon's Micro connectors are high density signal count interconnects designed and manufactured to meet the ever-increasing demands of electrical and mechanical performance in harsh environments. Utilizing ITT's unique twist-pin contact system on 0.50 (1.27 mm) centers, the Micro series of products offers a rugged miniature interconnect in a small, lightweight package and in both rectangular and circular configurations. By offering pin counts from 9 positions up to 100 positions, these connectors offer designers a large number of choices for fitting the Micro interconnect into their own systems.

Features ▶

- Lightweight aluminum shells
- Keystone-shaped shells for polarization
- 24 AWG contact system
- Wire sizes from 24 AWG to 32 AWG
- Multiple-indent crimp-contact termination
- LCP dielectric

Benefits ▶

- High density and rugged compact design
- Moisture-sealing performance
- Designed for discrete and mixed-signal electrical packages
- Turnkey cable-assembly solutions

Applications ▶

- High-temperature geophysical
- Industrial automation and control systems
- Medical diagnostics electronics
- Data acquisition systems
- Commercial avionics

Product Specifications ▶

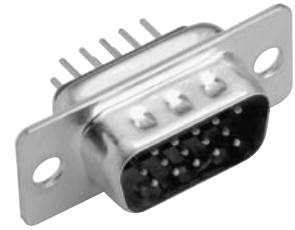
	Part Number	Pin Count	Description	Material	Military Standard	Standard Finish	RoHS
MDM PCB	MDM-9PBS	9	Connector, plug, board straight	Aluminum shells, LCP dielectric	NA	OD cadmium	Yes
	MDM-15PBS	15	Connector, plug, board straight	Aluminum shells, LCP dielectric	NA	OD cadmium	Yes
	MDM-21PBS	21	Connector, plug, board straight	Aluminum shells, LCP dielectric	NA	OD cadmium	Yes
	MDM-25PBS	25	Connector, plug, board straight	Aluminum shells, LCP dielectric	NA	OD cadmium	Yes
	MDM-31PBS	31	Connector, plug, board straight	Aluminum shells, LCP dielectric	NA	OD cadmium	Yes
	MDM-37PBS	37	Connector, plug, board straight	Aluminum shells, LCP dielectric	NA	OD cadmium	Yes
	MDM-51PBS	51	Connector, plug, board straight	Aluminum shells, LCP dielectric	NA	OD cadmium	Yes
Micro-D Metal Shell	MDM-9PH001	9	Connector, plug assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-15PH001	15	Connector, plug assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-21PH001	21	Connector, plug assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-25PH001	25	Connector, plug assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-31PH001	31	Connector, plug assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-37PH001	37	Connector, plug assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-51PH001	51	Connector, plug assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	No
Micro-D Metal Shell	MDM-9SH001	9	Connector, receptacle assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-15SH001	15	Connector, receptacle assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-21SH001	21	Connector, receptacle assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-25SH001	25	Connector, receptacle assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-31SH001	31	Connector, receptacle assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-37SH001	37	Connector, receptacle assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
	MDM-51SH001	51	Connector, receptacle assembly	Aluminum shells, LCP dielectric, Teflon wires	NA	OD cadmium	Yes
Micro Strips	MTB1-4PH067	4	Connector, plug assembly, teflon wires	Diayll phthalate	NA	NA	Yes
	MTB1-4SH06701	4	Connector, receptacle with guide pins	Diayll phthalate	NA	NA	Yes
	MTB1-8PH067	8	Connector, plug assembly, teflon wires	Diayll phthalate	NA	NA	Yes
	MTB1-8SH06701	8	Connector, receptacle with guide pins	Diayll phthalate	NA	NA	Yes
	MTB1-16PH067	16	Connector, plug assembly, teflon wires	Diayll phthalate	NA	NA	Yes
	MTB1-16SH06701	16	Connector, receptacle with guide pins	Diayll phthalate	NA	NA	Yes
	MTB1-24PH067	24	Connector, plug assembly, teflon wires	Diayll phthalate	NA	NA	Yes
	MTB1-24SH06701	24	Connector, receptacle with guide pins	NA	NA	NA	No





D-Subminiature Connectors

ITT Cannon ZD style D-subminiature connectors provide an economical, small-footprint, connectivity solution for PCB I/O and cable-side connections that require compliance to lead-free and RoHS requirements. ITT has been a leader in supplying unique D-subminiature connector solutions for over 50 years.



Features ▶

- Compact size
- High current rating—5A/contact
- PCB or cable crimp
- RoHS compliant
- Shielded and grounded

Benefits ▶

- Low PCB space requirement
- Low contact resistance
- Compatible with lead-free soldering
- Universal mating

Applications ▶

- PCB I/O
- Panel mounting
- Cable-to-cable

Product Specifications ▶

Part Number	Pin Count	Description	Material	Finish	Mil-Spec.	RoHS Compliant
ZDEAE15P_FO	15	High density crimp male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDAAE26P_FO	26	High density crimp male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDBAE44P_FO	44	High density crimp male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDCAE62P_FO	62	High density crimp male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDDAE78P_FO	78	High density crimp male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDEAE15S_FO	15	High density crimp female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDAAE26S_FO	26	High density crimp female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDBAE44S_FO	44	High density crimp female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDCAE62S_FO	62	High density crimp female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDDAE78S_FO	78	High density crimp female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDEAE15POL2-AB-146	15	High density straight PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDAAE26POL2-AB-146	26	High density straight PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDBAE44POL2-AB-146	44	High density straight PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDCAE62POL2-AB-146	62	High density straight PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDDAE78POL2-AB-146	78	High density straight PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDEAE15SOL2-AB-146	15	High density straight PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDAAE26SOL2-AB-146	26	High density straight PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDBAE44SOL2-AB-146	44	High density straight PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDCAE62SOL2-AB-146	62	High density straight PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDDAE78SOL2-AB-146	78	High density straight PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDE15P1AKN-146	15	High density right angle PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDA26P1AKN-146	26	High density right angle PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDB44P1AKN-146	44	High density right angle PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDC62P1AKN-146	62	High density right angle PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDD78P1AKN-146	78	High density right angle PCB male	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDE15S1AKN-146	15	High density right angle PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDA26S1AKN-146	26	High density right angle PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDB44S1AKN-146	44	High density right angle PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDC62S1AKN-146	62	High density right angle PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
ZDD78S1AKN-146	78	High density right angle PCB female	Steel shell/ULV-940 insulator	Tin/nickel	No	Yes
D20418-134	NA	Female screwlock	Steel	Clear chromate over zinc	No	Yes
D20419-211	NA	Male screwlock (size E, A, B, C)	Steel	Clear chromate over zinc	No	Yes
D20420-157	NA	Male screwlock (size D)	Steel	Clear chromate over zinc	No	Yes
110238-1009	NA	Size 22 crimp contact, male	Copper alloy	Gold	No	Yes
110238-1010	NA	Size 22 crimp contact, female	Copper alloy	Gold	No	Yes



Commercial Micro-D Interconnect System

The commercial line of shielded Micro-D products offers an economical solution for commercial applications that require the density of a microminiature connector. The right-angle and vertical printed circuit board headers have a rugged commercial design with a metal interface and grounding tabs for improved mechanical and electrical shield conditions. Cable assembly kits are available for “do-it-yourself” assemblies while pre-assembled cables are available in multiple configurations and standard lengths.

Features ▶

- Dual-contact crimp
- Superior strain relief
- Cable kits end-user can terminate
- Molex application tooling available

Benefits ▶

- More reliable tensile strength
- Excellent tensile strength without distorting cable
- Economic assembly solution
- Molex tooling provides high-quality cable termination

Applications ▶

- Instrumentation
- Set-top boxes
- Communication equipment
- Motion controls
- Hand-held devices

Product Specifications ▶

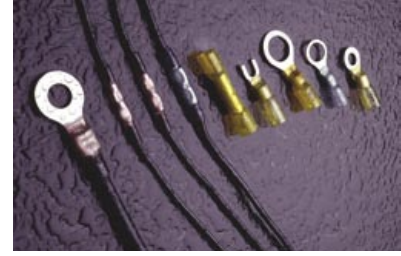
Printed Circuit Board Mounted Headers	Part Number		Circuit Size	Orientation	
	(with jackposts/screw)	(without jackposts)			
	83611-9006	83611-9016	9	Right angle	
	83612-9020	83612-9022	15		
	83614-9012	83614-9014	25		
	83611-9023	83611-9206	9	Vertical	
	83612-9024	83612-9205	15		
	83614-9016	83614-9202	25		
	83619-9003	83619-9200	18	Dual-stack right angle	
	83619-9010	83619-9201	30		
	83619-9011	83619-9202	50		
Cable Assembly Components	Part Number		Circuit Size	Description	
	83421-9014		9	Plug kit	
	83422-9014		15		
	83424-9014		25		
	83000-9502		NA	Crimp terminal, socket: 2,500-piece reel	
	83000-9503		NA	Crimp terminal, socket: 50,000-piece reel	
83000-0083		NA	Crimp terminal, socket: loose		
Cable Assemblies	Part Number			Circuit Size	Description
	Length = 18 inches	Length = 36 inches	Length = 72 inches		
	83421-9042	83421-9043	83421-9044	9	Single-ended
	83422-9007	83422-9013	83422-9018	15	
	83424-9019	83424-9020	83424-9021	25	
	83421-9049	83421-9051	83421-9050	9	Micro-D to micro-D
	83422-9053	83422-9054	83422-9055	15	
	83424-9057	83424-9058	83424-9059	25	
	83421-9039	83421-9040	83421-9041	9	Micro-D to D-sub socket
	83422-9056	83422-9057	83422-9058	15	
	83424-9063	83422-9064	83424-9065	25	
	83421-9036	83421-9037	83421-9038	9	Micro-D to D-sub plug
	83422-9059	83422-9060	83422-9061	15	
	83424-9060	83424-9061	83424-9062	25	

Note: Additional Commercial Micro-D interconnects are available. Contact Arrow for a brochure and samples.



Perma-Seal™ All-Weather Heat-Shrinkable Terminals and Splices

Perma-Seal terminals and splices provide a rugged, environmentally sealed connection for wire sizes 8 AWG to 22 AWG—one that will insulate, seal, and protect joints from physical abuse and abrasion as well as from water, salt, and other corrosive compounds. The inner wall of the heat-shrinkable Perma-Seal sleeve is lined with a special hot-melt adhesive that fills any existing voids, creating a seal that repels moisture incursion even during pressure cycling.



Features ▶

- Shrink temperature of 90°C
- Shrinks fast
- High performance NiAc insulation
- Available mounted on Mylar tape
- Molex application tooling available

Benefits ▶

- Shrinks at lower temperatures than polyolefin or nylon
- Saves time in cable-assembly operations
- Excellent chemical and abrasion resistance
- Allows for semi-automated or fully automated termination
- Molex tooling provides high quality, UL-listed termination

Applications ▶

- Transportation
- Agricultural/construction vehicles
- HVAC controls
- Spa or pool controls
- Maintenance, repair, and operations

Product Specifications ▶

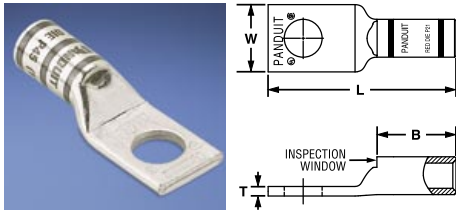
Part Number		AWG	Type	Stud Size	Voltage
Loose Piece	Tape*				
19164-0085	CA	22-18	Ring	6	600
19164-0086	19164-0419			8	600
19164-0003	19164-0306			10	600
19164-0004	19164-0844			1/4	600
19164-0005	19164-0845			3/8	600
19164-0006	CA			6	600
19164-0007	CA	16-14	Spade	8	600
19164-0008	CA			10	600
19164-0032	19164-0310			6	600
19164-0033	19164-0311			8	600
19164-0034	19164-0312			10	600
19164-0026	19164-0308			1/4	600
19164-0027	19164-0309	5/16	600		
19164-0020	19164-0307	3/8	600		
19164-0028	19164-0948	12-10	Ring	6	600
19164-0029	19164-0949			8	600
19164-0030	19164-0950			10	600
19164-0021	CA			10	600
19164-0061	19164-0937			6	600
19164-0062	19164-0938			8	600
19164-0065	19164-0316	10	600		
19164-0066	19164-0317	8	Ring	1/4	600
19164-0067	19164-0318			5/16	600
19164-0068	19164-0857			3/8	600
19164-0058	CA			1/2	600
19164-0069	CA			6	600
19164-0070	CA			8	600
19164-0072	CA	22-18	Spade	10	600
19164-0073	CA			1/4	600
19164-0080	19164-0602			10	600
19164-0081	19164-0603			1/4	600
19164-0083	19164-0605			5/16	600
19164-0082	19164-0604			3/8	600
19164-0457	CA	16-14	Ring	1/2	600
19164-0013	19164-0014			22-18	600
19164-0044	19164-0045			16-14	600
19164-0056	19164-0057			12-10	600
19164-0079	CA			8	600
					Splice

*CA = Contact Arrow for availability.

Note: Additional Perma-Seal terminal styles available; contact Arrow for a Perma-Seal brochure and samples.

Arrow Industrial Selector Guide

800-349-4960 | www.arrownac.com/industrial



Code Conductor, One Hole, Standard Barrel with Window Lug, Type LCA

PANDUIT® PAN-LUG™ Compression Connectors provide permanent terminations for a variety of power and grounding applications with innovation, high reliability and low installed cost. A wide assortment of manual, controlled-cycle, battery-operated hydraulic, and pneumatic crimping tools are available for reliable, fast installations.

Features ▶

- UL-listed and CSA-certified with specified competitor tools
- Tested by Telcordia: rated NEBS level 3
- Functional product information is marked directly on the connector
- Color-coded
- Made from high-strength, high-conductivity electrolytic copper

Benefits ▶

- Saves cost: customer can use existing tools
- Meets industry requirements to provide highest assurance of product operability
- Offers ease of connector selection and installation
- Facilitates quick identification of proper crimping die
- Provides optimum conductivity for a reliable, high-quality connection

Applications ▶

- Lighting
- Motor controls
- Electrical panels
- Power distribution equipment
- Motor leads

Product Specifications ▶

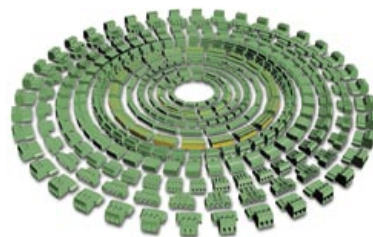
Part Number	Copper Conductor Size	Stud Hole Size (inches)	Width (inches): W	Barrel Length (inches): B	Tongue Thickness (inches): T	Overall Length (inches): L	PANDUIT Color Code	PANDUIT Die Index Number	Standard Package Quantity
LCA10-10-L	#14-#10 AWG STR, #12-#10 AWG SOL	#10	0.38	0.38	0.06	1.07	NA	NA	50
LCA8-10-L	#8 AWG	#10	0.41	0.56	0.08	1.25	Red	P21	50
LCA8-14-L	#8 AWG	1/4	0.48	0.56	0.07	1.34	Red	P21	50
LCA8-38-L	#8 AWG	3/8	0.60	0.56	0.05	1.56	Red	P21	50
LCA6-10-L	#6 AWG	#10	0.45	0.81	0.09	1.52	Blue	P24	50
LCA6-14-L	#6 AWG	1/4	0.48	0.81	0.08	1.61	Blue	P24	50
LCA6-38-L	#6 AWG	3/8	0.62	0.81	0.06	1.83	Blue	P24	50
LCA4-14-L	#4-#3 AWG STR, #2 AWG SOL	1/4	0.55	0.81	0.09	1.63	Gray	P29	50
LCA4-38-L	#4-#3 AWG STR, #2 AWG SOL	3/8	0.62	0.81	0.07	1.85	Gray	P29	50
LCA2-14-Q	#2 AWG	1/4	0.60	0.88	0.10	1.77	Brown	P33	25
LCA2-38-Q	#2 AWG	3/8	0.66	0.88	0.10	1.97	Brown	P33	25
LCA2-12-Q	#2 AWG	1/2	0.75	0.88	0.08	2.21	Brown	P33	25
LCA1-14-E	#1 AWG	1/4	0.70	0.88	0.11	1.79	Green	P37	20
LCA1-38-E	#1 AWG	3/8	0.70	0.88	0.11	1.99	Green	P37	20
LCA1/0-14-X	1/0 AWG	1/4	0.76	0.94	0.12	1.95	Pink	P42	10
LCA1/0-38-X	1/0 AWG	3/8	0.76	0.94	0.12	2.08	Pink	P42	10
LCA1/0-12-X	1/0 AWG	1/2	0.80	0.94	0.12	2.31	Pink	P42	10
LCA2/0-14-X	2/0 AWG	1/4	0.85	0.98	0.13	2.09	Black	P45	10
LCA2/0-38-X	2/0 AWG	3/8	0.85	0.98	0.13	2.15	Black	P45	10
LCA2/0-12-X	2/0 AWG	1/2	0.85	0.98	0.13	2.40	Black	P45	10
LCA3/0-38-X	3/0 AWG	3/8	0.96	1.14	0.13	2.34	Orange	P50	10
LCA3/0-12-X	3/0 AWG	1/2	0.96	1.14	0.13	2.59	Orange	P50	10
LCA4/0-38-X	4/0 AWG	3/8	1.06	1.19	0.14	2.45	Purple	P54	10
LCA4/0-12-X	4/0 AWG	1/2	1.06	1.19	0.14	2.68	Purple	P54	10
LCA250-38-X	250 kcmil	3/8	1.17	1.25	0.14	2.55	Yellow	P62	10
LCA250-12-X	250 kcmil	1/2	1.17	1.25	0.14	2.78	Yellow	P62	10
LCA300-12-X	300 kcmil	1/2	1.19	1.44	0.16	3.05	White	P66	10
LCA350-38-X	350 kcmil	3/8	1.28	1.44	0.17	2.98	Red	P71	10
LCA350-12-X	350 kcmil	1/2	1.28	1.44	0.17	3.09	Red	P71	10
LCA400-12-6	400 kcmil	1/2	1.39	1.50	0.18	3.22	Blue	P76	6
LCA500-12-6	500 kcmil	1/2	1.54	1.75	0.22	3.55	Brown	P87	6
LCA600-12-6	600 kcmil	1/2	1.70	1.75	0.26	4.20	Green	P94	6
LCA750-58-6	750 kcmil	5/8	1.89	1.88	0.26	4.59	Black	P106	6





Fixed and Pluggable PCB Terminal Blocks

With a broad line of fixed and pluggable PCB terminal blocks, Phoenix Contact offers a solution for virtually every application. Whether you need fast, space-saving wiring for control or you want to apply high currents to the printed circuit board, Phoenix Contact makes connections you can count on. Phoenix Contact is known for their reliable, high-quality PCB terminal blocks.



Features ▶

- Touch-proof terminals
- Screw, spring, IDC, and crimp connections
- Market-specific termination solutions
- Fixed (one-piece) or pluggable (two-piece) solutions
- Wide variety of PCB terminal blocks

Benefits ▶

- Installation and troubleshooting safety
- Optimal performance in termination speed and reliability
- Products engineered to specific demands of the targeted market
- Lower component cost or lower installation costs
- A solution for every application

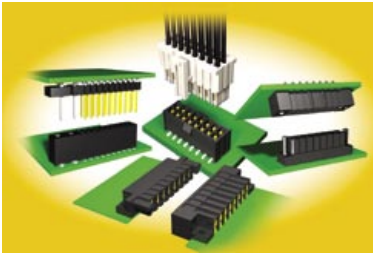
Applications ▶

- Discrete wire connections to the PCB in industrial environments
- Industrial signal and data terminations
- Building automation controls
- Drives, power supplies, and motors

Product Specifications ▶

Product Series	Termination Technologies	Mounting Options	Pin Spacing (mm)	Voltage Range (V)	Current Range (A)	Wire Gauge Range (AWG)
COMBICON Control Fixed	Screw, spring, IDC	Wave, hand, press-fit	2.54-5.08	125-300	6-16	30-12
COMBICON Control Pluggable	Screw, spring, IDC, crimp	Wave, hand, press-fit	2.5-7.62	125-300	4-16	28-12
COMBICON Power	Screw, spring, crimp	Wave, hand	5.08-15.0	300-600	30-125	30-2
COMBICON Compact	Screw, spring	Reflow, wave, hand	2.5-7.5	150-300	4-20	28-12
COMBICON THR (Pin-in-paste)	Screw	Reflow, wave, hand	2.5-5.08	125-300	4-10	30-12





Power-to-Board Systems

Samtec's power interconnects include high-power, board-to-board connectors for up to 28A per contact. They also include isolated power interconnects, polarized discrete wire systems with latching features, and isolated power interconnects.

Features ▶

- Power Strip™ rated at 28A per pin
- Power Mate™ polarized, isolated power systems rated at 6.5A per pin
- Mini Mate® standard .100" system for rugged applications
- Discrete wire assemblies and components with latching systems
- Combination power and signal interconnects in a variety of configurations

Benefits ▶

- High-power and rugged applications
- 15 mm, 17 mm, 19 mm, 20 mm, and 25 mm stacks with mid-range power capability
- Polarized/isolated pins for proper mating
- Flexibility to transfer power over long distances
- PCB real estate savings and assembly efficiencies

Applications ▶

- Industrial automation
- Controls and diagnostic equipment
- Monitoring systems
- Water, chemical, and petroleum flow systems
- Industrial computing, communications, and networks

Product Specifications ▶

Part Number	Number of Power Pins	Number of Signal Pins	Pin Centerline inches (mm)	Orientation	Current Rating at 75°C or 80°C	Option	Terminal or Socket	RoHS Compliant
PET-08-01-T-VT	8	0	.250 (6.35)	Vertical	31A	NA	Terminal	Yes
PET-06-01-T-RA-SD	6	0	.250 (6.35)	Right angle	31A	Screw down	Terminal	Yes
PES-08-01-T-VT	8	0	.250 (6.35)	Vertical	31A	NA	Socket	Yes
PES-06-01-T-RA-SD	6	0	.250 (6.35)	Right angle	31A	Screw down	Socket	Yes
PETC-04-40-04-01-T-RA-SD	8	40	.250 (6.35)	Right angle	31A	Screw down	Terminal	Yes
PESC-04-40-04-01-T-VT-LC	8	40	.250 (6.35)	Vertical	31A	Locking clip	Socket	Yes
IPBT-110-H1-T-D-GP	20	0	.165 (4.19)	Vertical	10.4A	Guide post	Terminal	Yes
IPBT-105-H1-T-S-RA	10	0	.165 (4.19)	Right angle	10.4A	NA	Terminal	Yes
IPBS-110-H1-T-D-GP	20	0	.165 (4.19)	Vertical	10.4A	Guide post	Socket	Yes
IPBT-105-H1-T-S	10	0	.165 (4.19)	Right angle	10.4A	NA	Socket	Yes
IPT1-110-01-S-D-RA-POL	20	0	.100 (2.54)	Right angle	4A@60	Polarized	Terminal	Yes
IPT1-105-01-S-D-A	20	0	.100 (2.54)	Vertical	4A@60	NA	Terminal	Yes
IPS1-110-01-S-D-RA-POL	10	0	.100 (2.54)	Right angle	4A@60	PI	Socket	Yes
IPS1-105-01-S-D-LC	10	0	.100 (2.54)	Vertical	4A@60	NA	Socket	Yes





SPECTRUM CONTROL INC.
A Control Products and Systems Company

Filtered Connectors

Spectrum Control designs and manufactures control products and systems used to condition, regulate, and govern electronic performance. We offer a complete family of filtered connectors to meet your performance and cost needs.



Features ▶

- D-subminiature connectors
- All shell sizes (9, 15, 25, 37, and 50)
- Many termination types (PC mount, wire wrap, solder cup, and 90° PCB)
- In-house ceramic tube design for high performance filtering
- Numerous mounting/hardware options: grounded board locks, locking inserts, jack screws, 4-40 or M3 threads, and more

Benefits ▶

- Excellent filtering
- Design flexibility
- Reliability: 100 percent testing of critical electrical parameters
- Numerous filtering options: combined types, selective loading
- FED/MIL approvals

Applications ▶

- UAV equipment
- Automated manufacturing equipment
- Battlefield simulators
- Secure communications
- Medical equipment (test and measurement)
- Industrial process equipment

Product Specifications ▶

Product Series	Description	Performance	Capacitance Range	DWV	Rated Current (A)	Temperature Rating (°C)
Series 100 chip filter design	Low-cost capacitive filtering	Mid-level performance	To 47 nF	300 VDC	5	-40 to +125
Series 500 tubular FT	Economical, high performance filtering using tubular capacitors	High performance	To 2,500 pF	300 VDC	5	-40 to +125
Series 600	Highest level of EMI filtering in high density version	Superior IL performance	To 5,000 pF FT and 4,000 pF PI	1,000 VDC	5	-55 to +125
Series 700 FT and PI	Highest level of EMI filtering with feed-thru caps and PI filters	Superior IL performance	To 5,000 pF FT and 4,000 pF PI	1,000 VDC	5	-55 to +125
Combo D-subminiature	Effective power and coax line filtering in various configurations	High insertion loss with tubular or ceramic chip capacitive filtering	4,000 pF FT	600 VDC	40 Power/5 Signal	-55 to +125



Metrimate pin and socket connectors

Metrimate Pin and Socket Connectors

Metrimate connectors are true metric-specification connectors designed for PCB, panel, or free-hanging applications. They are available in various design configurations and sizes to satisfy a variety of application requirements. Connector designs include square grid, in-line, and drawer, which is used in rack and panel applications. Metrimate drawer connectors also includes connectors which can accommodate size 8 or Powerband power contacts.

Features ▶

- True metric dimensions (5.00 mm and 5.08 mm centerlines)
- 4- to 36-position square grid configurations
- 4- to 30-position drawer connector configurations
- Removable contacts
- Designed to meet requirements of various testing and approval groups, including UL, CSA, VDE, and IEC

Benefits ▶

- Square grid connectors can be mounted to and removed from either front or rear of panel
- UL 94V-0 rated thermoplastic connector housings
- Square grid connectors mated and panel-mounted with no hardware
- UL and CSA 600 VDC and VAC voltage rating
- Polarized housings

Applications ▶

- Transportation
- Industrial machinery
- Office equipment
- Testing equipment
- Lighting

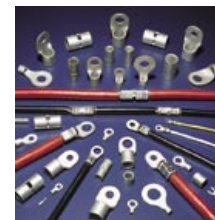
Product Specifications ▶

Part Number	Description
211758-1	12-position plug drawer connector
211580-3	62-position posted receptacle connector
211759-1	12-position receptacle drawer connector
208210-2	19-position plug drawer connector
211149-1	25-position plug drawer connector
211150-1	25-position receptacle drawer connector
208209-2	19-position receptacle drawer connector
206763-3	24-position square grid pin header
1604520-1	62-position posted secondary lock receptacle connector
207304-1	24-position square grid plug connector
207305-1	25-position square grid receptacle connector
207020-1	36-position square grid receptacle connector
207015-1	4-position square grid plug connector
207016-1	4-position square grid receptacle connector
207121-3	36-position square grid pin header
207534-1	37-position square grid socket header
207019-1	36-position square grid plug connector
208100-1	19-position in-line plug connector
213940-1	18-position low-profile drawer hybrid connector
213788-2	62-position action pin connector assembly



SOLISTRAND

SOLISTRAND terminals and splices are specifically designed to terminate solid and stranded wire, irregularly shaped conductors, and combinations of these three, all while retaining the superior performance characteristics of single-purpose terminals and splices.



SOLISTRAND terminals and splices

Features ▶

- Brazed seam
- “W” crimp
- Multiple configurations and wire sizes
- UL, CSA, and SAE approved

Benefits ▶

- Brazed seam helps prevent pinched wires
- “W” crimp provides excellent compression for mechanical and electrical performance
- Wide range of products available for any application
- UL, CSA, and SAE approvals for numerous applications

Applications ▶

- Switchgear
- Pad and pole mount transformers
- HVAC
- Appliances
- Power supplies

Product Specifications ▶

Part Number	Part Description	Wire Size (AWG)	Stud Size
33461	Terminal	8	1/4
321598	Terminal	6	1/4
33469	Terminal	4	1/4
33466	Terminal	6	5/16
33470	Terminal	4	5/16
33457	Terminal	12-10	10
33465	Terminal	6	1/4
31811	Terminal	4	1/4
33460	Terminal	8	10
33471	Terminal	4	3/8
31807	Terminal	8	10
321298	Terminal	6	10
55799-1	Terminal	12-10	8
34123	Terminal	16-14	10
33467	Terminal	6	3/8
33115	Terminal	4	5/16
33458	Terminal	12-10	1/4
34112-2	Terminal	22-16 comm. 22-18 mil	10 Au
33114	Terminal	4	10
35247	Terminal	8	1/4
35772	Terminal	12-10	1/4
33463	Terminal	8	3/8
33462	Terminal	8	5/16
34120	Terminal	16-14	6
322242	Terminal	12-10	3/8
52197	Terminal	6	10
34124	Terminal	16-14	1/4
324061	Terminal	8	8
321828	Terminal	14-12	10
327175	Terminal	4	1/2

Part Number	Part Description	Wire Size (AWG)	Stud Size
35664	Terminal	8	8
34105	Terminal	22-16 comm. 22-18 mil	6
35476	Terminal	12-10	6
32994	Terminal	12-10	8
322454	Terminal	12-10	8
34113	Terminal	22-16 comm. 22-18 mil	1/4
321632	Terminal, hk	12-10	1/4
36809	Terminal	6	5/8
35135	Terminal	12-10	1/2
34108	Terminal	22-16 comm. 22-18 mil	8
322386	Terminal, sltd.	6	3/8
320344	Terminal	6	1/2
320764	Terminal	12-10	5/8
320763	Terminal	12-10	1/2
34112	Terminal	22-16 comm. 22-18 mil	10
34488	Terminal	14-12	10
35665	Terminal	8	5/8
31818	Terminal butt	22-16 comm. 22-18 mil	NA
31819	Splice, butt	16-14	NA
321198	Splice, butt	26-22	NA
32151	Splice, butt	12-10	NA
34321	Splice, butt	8	NA
321280	Splice, butt	14-12	NA
34323	Splice, butt	4	NA
34318	Splice, parallel	8	NA
34138	Splice, parallel	12-10	NA
34319	Splice, parallel	6	NA
34137	Splice, parallel brzd.	16-14	NA
34320	Splice, parallel	4	NA
34130	Splice, parallel	22-16	NA



D5200 Series power connector system

Dynamic Series Wire-to-Board Connectors

The Dynamic Series connector family consists of the D1000, D2000, D3000, D4000, and D5000 product series, which are designed to handle 30 AWG to 8 AWG wire applications. These products provide a dual-latch locking system on the interconnect housings, ensuring that a positive interconnect retention is always present for those tough, industrial environments.

Features ▶

- Dual-latch housing system
- High impact-resistant plastic housings
- Contacts use a four-sided box-style receptacle
- Contact range covers 30 AWG to 8 AWG

Benefits ▶

- Audible locking click, signaling that the two housings have mated together properly
- Robust connector designed to perform in industrial environments
- Highly reliable, industrial-strength contact system
- One product line can meet all your industrial power/signal requirements

Applications ▶

- HVAC equipment
- Factory automation equipment
- Servomotors
- Power supply switches
- Factory computers and servodrivers

Product Specifications ▶

Part Number	Description
1318124-1	Dynamic D2100 HDR V assembly
1-175218-5	3.81 Dynamic receptacle LP tin
178289-5	3.81 Dynamic receptacle housing, 10-position
1-178288-3	Dynamic 3100 receptacle housing, 3-position
1-178129-6	Dynamic 3200 receptacle housing, 3-position
1-917659-6	Dynamic 3200 D row housing, 12-position





Pre-Insulated Diamond Grip (PIDG) Terminals and Splices

Tyco pre-insulated terminals and splices are designed for uniform reliability in most difficult circuit environments. These terminals and splices consist of tin-plated copper with a copper support sleeve and a nylon insulation sleeve fitted over the terminal barrel. The insulation is color-coded by wire range to prevent errors during installation.



PIDG terminals and splices

Features ▶

- Metal support sleeve
- Nylon insulation
- Funnel entry on wire barrel
- Multiple configurations and wire sizes
- UL, CSA, and SAE approved

Benefits ▶

- Metal support sleeve provides support in high-vibration environments
- Nylon insulation is hydrocarbon-resistant
- Funnel entry helps to guide wires into wire barrel of terminal
- Wide range of products available for any application
- UL, CSA, and SAE approvals for wide range of applications

Applications ▶

- Motor controls
- Aircraft wiring
- HVAC
- Appliances
- Power supplies

Product Specifications ▶

Part Number	Part Description	Wire Size (AWG)	Stud Size
35109	Terminal	12-10	10
36160	Terminal	16-14	10
51864-2	Terminal	16-14	10
36154	Terminal	22-16 comm. 22-18 mil	10
36152	Terminal	22-16 comm. 22-18 mil	6
31890	Terminal	22-16 comm. 22-18 mil	8
51863	Terminal	22-16 comm. 22-18 mil	6
320565	Terminal	16-14	8
36161	Terminal	12-10	10
36153	Terminal	22-16 comm. 22-18 mil	10
52929	Terminal spr. spd.	22-16 comm. 22-18 mil	6
35110	Terminal	12-10	1/4
52936-1	Terminal, spr. spd.	16-14	8
320551	Terminal	22-16 comm. 22-18 mil	8
51864-1	Terminal	16-14	8
32446	Knife disconnect	22-16	NA
321045	Terminal	16-14	1/4
320619	Terminal	16-14	6
35108	Terminal	12-10	8
320861	Terminal, spd. flg.	16-14	6
35149	Terminal	12-10	6
52935	Terminal, spr. spd.	16-14	6
34541	Terminal	22-16 comm. 22-18 mil	6
51864	Terminal	16-14	6
53055	Terminal, lr.	24	6
324918	Terminal	12-10	10
320569	Terminal	12-10	1/4
31886	Terminal	22-16 comm. 22-18 mil	8
36151	Terminal	22-16 comm. 22-18 mil	6

Part Number	Part Description	Wire Size (AWG)	Stud Size
34805	Terminal, hd.	16-14	10
31894	Terminal	22-16 comm. 22-18 mil	1/4
320561	Terminal	16-14	6
36150	Terminal	22-16 comm. 22-18 mil	6
320568	Terminal	12-10	8
323914	Terminal	26-22	4
31880	Terminal	22-16 comm. 22-18 mil	4
35112	Terminal	12-10	3/8
32562	Spd. flg.	22-16 comm. 22-18 mil	6
320563	Terminal	16-14	1/4
32448	Knife disconnect	16-14	NA
36149	Terminal	22-16 comm. 22-18 mil	6
35559	Terminal, spd.	16-14	6
320574	Terminal	16-14	10
320571	Terminal	22-16 comm. 22-18 mil	1/4
36158	Terminal	16-14	6
151471	Lip'd blade	12-10	6
320554	Terminal	22-16 comm. 22-18 mil	8
326882	Terminal	16-14	NA
31897	Terminal	22-16 comm. 22-18 mil	3/8
320560	Terminal	16-14	8
320559	Splice	22-16 comm. 22-18 mil	NA
320562	Splice butt	16-14	NA
320570	Splice butt	12-10	NA
327583	Splice butt	16-14/22-18	NA
323975	Splice butt	24-20	NA
327638	Splice butt	12-10/16-14	NA
327639	Splice butt	12-10/22-18	NA
323994	Splice butt	26-24	NA

Note: Please reference Tyco customer prints for dimensional information.



MTA-50 IDC connector system

MTA-50 IDC Connector System

The MTA-50 IDC connector is a wire-to-printed circuit board system with contacts on a staggered, single-row .050" (1.27 mm) centerline. Insulation displacement contacts are used to terminate a wide range of conductor sizes. The design features wire feedthrough capability for daisy-chain applications. Ribbon cable can also be terminated when the appropriate assembly is used. Header assemblies for board-mount applications include horizontal, vertical, thru-hole, and surface-mount configurations.

Features ▶

- Staggered .050" centerline
- Lubricated contacts
- Polarized connectors
- Shrouded headers
- IDC contacts preloaded in receptacle housing

Benefits ▶

- Does not require wire stripping
- Prevents fretting corrosion
- Prevents mismatching
- Aids in alignment and protects pins
- Occupies less PCB space than standard ribbon-cable connectors

Applications ▶

- Lighting products
- Medical products
- Security systems
- Gaming machines
- Vending machines
- Small appliances

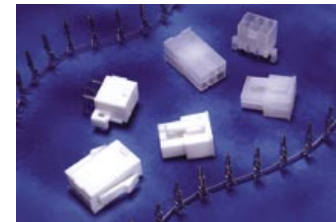
Product Specifications ▶

Part Number	Description	Part Number	Description	Part Number	Description
1445341	Assembly, receptacle, discrete cable, 26 AWG, FD.-TH., tin, MTA 50	1445357	Assembly, receptacle, discrete cable, 30 AWG, CL.-End, 15 gold, MTA 50	1445373	Assembly, receptacle, ribbon cable, 28 AWG, CL.-End, 30 gold, MTA 50
1445342	Assembly, receptacle, discrete cable, 26 AWG, FD.-TH., 15 gold, MTA 50	1445358	Assembly, receptacle, discrete cable, 30 AWG, CL.-End, 30 gold, MTA 50	1445374	Assembly, receptacle, ribbon cable, 30 AWG, CL.-End, tin, MTA 50
1445343	Assembly, receptacle, discrete cable, 26 AWG, FD.-TH., 30 gold, MTA 50	1445359	Assembly, receptacle, ribbon cable, 26 AWG, FD.-TH, tin, MTA 50	1445375	Assembly, receptacle, ribbon cable, 30 AWG, CL.-End, 15 gold, MTA 50
1445344	Assembly, receptacle, discrete cable, 28 AWG, FD.-TH., tin, MTA 50	1445360	Assembly, receptacle, ribbon cable, 26 AWG, FD.-TH, 15 gold, MTA 50	1445376	Assembly, receptacle, ribbon cable, 30 AWG, CL.-End, 30 gold, MTA 50
1445345	Assembly, receptacle, discrete cable, 28 AWG, FD.-TH., 15 gold, MTA 50	1445361	Assembly, receptacle, ribbon cable, 26 AWG, FD.-TH, 30 gold, MTA 50	1445120	Vertical pin header, thru-hole, tin
1445346	Assembly, receptacle, discrete cable, 28 AWG, FD.-TH., 30 gold, MTA 50	1445362	Assembly, receptacle, ribbon cable, 28 AWG, FD.-TH, tin, MTA 50	1445121	Vertical pin header, surface-mount, tin
1445347	Assembly, receptacle, discrete cable, 30 AWG, FD.-TH., tin, MTA 50	1445363	Assembly, receptacle, ribbon cable, 28 AWG, FD.-TH, 15 gold, MTA 50	1445123	Vertical pin header, thru-hole, 15 gold
1445348	Assembly, receptacle, discrete cable, 30 AWG, FD.-TH., 15 gold, MTA 50	1445364	Assembly, receptacle, ribbon cable, 28 AWG, FD.-TH, 30 gold, MTA 50	1445124	Vertical pin header, surface-mount, 15 gold
1445349	Assembly, receptacle, discrete cable, 30 AWG, FD.-TH., 30 gold, MTA 50	1445365	Assembly, receptacle, ribbon cable, 30 AWG, FD.-TH, tin, MTA 50	1445125	Vertical pin header, surface-mount, 30 gold
1445350	Assembly, receptacle, discrete cable, 26 AWG, CL.-End, tin, MTA 50	1445366	Assembly, receptacle, ribbon cable, 30 AWG, FD.-TH, 15 gold, MTA 50	1445126	Vertical pin header, surface-mount, 30 gold
1445351	Assembly, receptacle, discrete cable, 26 AWG, CL.-End, 15 gold, MTA 50	1445367	Assembly, receptacle, ribbon cable, 30 AWG, FD.-TH, 30 gold, MTA 50	1445169	Pin header, R/A, thru-hole, tin
1445352	Assembly, receptacle, discrete cable, 26 AWG, CL.-End, 30 gold, MTA 50	1445368	Assembly, receptacle, ribbon cable, 26 AWG, CL.-End, tin, MTA 50	1445170	Pin header, R/A, thru-hole, 15 gold
1445353	Assembly, receptacle, discrete cable, 28 AWG, CL.-End, tin, MTA 50	1445369	Assembly, receptacle, ribbon cable, 26 AWG, CL.-End, 15 gold, MTA 50	1445171	Pin header, R/A, thru-hole, 30 gold
1445354	Assembly, receptacle, discrete cable, 28 AWG, CL.-End, 15 gold, MTA 50	1445370	Assembly, receptacle, ribbon cable, 26 AWG, CL.-End, 30 gold, MTA 50	1445172	R/A pin header, surface-mount, tin
1445355	Assembly, receptacle, discrete cable, 28 AWG, CL.-End, 30 gold, MTA 50	1445371	Assembly, receptacle, ribbon cable, 28 AWG, CL.-End, tin, MTA 50	1445173	R/A pin header, surface-mount, 15 gold
1445356	Assembly, receptacle, discrete cable, 30 AWG, CL.-End, tin, MTA 50	1445372	Assembly, receptacle, ribbon cable, 28 AWG, CL.-End, 15 gold, MTA 50	1445174	R/A pin header, surface-mount, 30 gold



4.2 mm PE Product Family

The 4.2 mm PE product family is a complete product offering of wire-to-wire and wire-to-board products in a small, economical centerline product. Contacts are on a 4.2 mm pitch and are intermateable and interchangeable with competitive offerings. Contacts are available to support standard wire gauges in either brass or phosphor bronze with either tin or gold plating. The housings are available in dual-row 2- to 24-position and single-row 3-, 4-, and 5-position. Headers are offered in both vertical and right angle configurations, and with or without drain holes.



4.2 mm PE products

Features ▶

- 4.2 mm centerline
- Wire-to-board vertical right angle and blind mate
- Max. 9A per contact
- Wire-to-wire

Benefits ▶

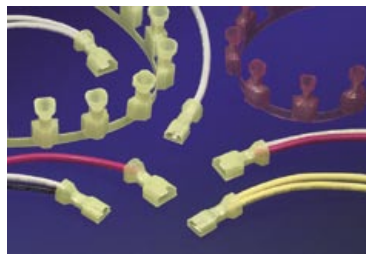
- Reduced space requirements—small centerline product
- Low-cost solution for application needs
- Intermateable and interchangeable for competitive products

Applications ▶

- Gaming industries
- Appliances
- Vending machines
- Industrial applications
- HVAC

Product Specifications ▶

Housings Product Offerings and Dimensions	Single Row – UL 94V-2 Housings			Single Row – UL 94V-0 Housings			Number of Positions		
	Panel-Mount Plug	Free-Hanging	Receptacle Housing	Panel-Mount Plug	Free-Hanging	Receptacle Housing			
	1586101-3	1586103-3	1586105-3	1586102-3	1586104-3	1586106-3	3		
1586022-4	1586024-4	1586026-4	1586023-4	1586025-4	1586027-4	4			
1586022-5	1586024-5	1586026-5	1586023-5	1586025-5	1586027-5	5			
Housings Product Offerings and Dimensions	Double Row – UL 94V-2 Housings			Double Row – UL 94V-0 Housings			Number of Positions		
	Panel-Mount Plug	Free-Hanging	Receptacle Housing	Panel-Mount Plug	Free-Hanging	Receptacle Housing			
	794953-2	1586000-2	794954-2	1586018-2	1586017-2	1586019-2	2		
	794953-4	1586000-4	794954-4	1586018-4	1586017-4	1586019-4	4		
	794953-6	1586000-6	794954-6	1586018-6	1586017-6	1586019-6	6		
	794953-8	1586000-8	794954-8	1586018-8	1586017-8	1586019-8	8		
	1-794953-0	1-1586000-0	1-794954-0	1-1586018-0	1-1586017-0	1-1586019-0	10		
	1-794953-2	1-1586000-2	1-794954-2	1-1586018-2	1-1586017-2	1-1586019-2	12		
	1-794953-4	1-1586000-4	1-794954-4	1-1586018-4	1-1586017-4	1-1586019-4	14		
	1-794953-6	1-1586000-6	1-794954-6	1-1586018-6	1-1586017-6	1-1586019-6	16		
	1-794953-8	1-1586000-8	1-794954-8	1-1586018-8	1-1586017-8	1-1586019-8	18		
	2-794953-0	2-1586000-0	2-794954-0	2-1586018-0	2-1586017-0	2-1586019-0	20		
	2-794953-2	2-1586000-2	2-794954-2	2-1586018-2	2-1586017-2	2-1586019-2	22		
2-794953-4	2-1586000-4	2-794954-4	2-1586018-4	2-1586017-4	2-1586019-4	24			
Pin Headers Product Offerings	UL 94V-2 Pin Headers				UL 94V-0 Pin Headers				Number of Positions
	Vertical		Right-Angle		Vertical		Right-Angle		
	Without Pegs	With Pegs	Without Pegs	Screw Mount	Without Pegs	With Pegs	Without Pegs	Screw Mount	
	1586037-2	1586039-2	1586041-2	1586043-2	1586038-2	1586040-2	1586042-2	1586044-2	2
	1586037-4	1586039-4	1586041-4	1586043-4	1586038-4	1586040-4	1586042-4	1586044-4	4
	1586037-6	1586039-6	1586041-6	1586043-6	1586038-6	1586040-6	1586042-6	1586044-6	6
	1586037-8	1586039-8	1586041-8	1586043-8	1586038-8	1586040-8	1586042-8	1586044-8	8
	1-1586037-0	1-1586039-0	1-1586041-0	1-1586043-0	1-1586038-0	1-1586040-0	1-1586042-0	1-1586044-0	10
	1-1586037-2	1-1586039-2	1-1586041-2	1-1586043-2	1-1586038-2	1-1586040-2	1-1586042-2	1-1586044-2	12
	1-1586037-4	1-1586039-4	1-1586041-4	1-1586043-4	1-1586038-4	1-1586040-4	1-1586042-4	1-1586044-4	14
	1-1586037-6	1-1586039-6	1-1586041-6	1-1586043-6	1-1586038-6	1-1586040-6	1-1586042-6	1-1586044-6	16
	1-1586037-8	1-1586039-8	1-1586041-8	1-1586043-8	1-1586038-8	1-1586040-8	1-1586042-8	1-1586044-8	18
	2-1586037-0	2-1586039-0	2-1586041-0	2-1586043-0	2-1586038-0	2-1586040-0	2-1586042-0	2-1586044-0	20
2-1586037-2	2-1586039-2	2-1586041-2	2-1586043-2	2-1586038-2	2-1586040-2	2-1586042-2	2-1586044-2	22	
2-1586037-4	2-1586039-4	2-1586041-4	2-1586043-4	2-1586038-4	2-1586040-4	2-1586042-4	2-1586044-4	24	
Contacts Product Offerings	Applicator Part Number	Hand Tool Part Number	Wire Range (AWG)	Material and Finish	Pin Strip Form	Pin Loose Form	Socket Strip Form	Socket Loose Form	
	1385448-X	91387-1	26-22	Brass, pre-tin	794957-1	1586316-1	794958-1	1586317-1	
				Phos. brz., pre-tin	794957-3	1586316-3	794958-3	1586317-3	
				Brass, gold	794957-2	1586316-2	794958-2	1586317-2	
				Phos. brz., gold	794957-4	1586316-4	794958-4	1586317-4	
	680557-X	91388-1	22-18	Brass, pre-tin	794955-1	1586314-1	794956-1	1586315-1	
				Phos. brz., pre-tin	794955-3	1586314-3	794956-3	1586315-3	
Brass, gold				794955-2	1586314-2	794956-2	1586315-2		
1852294-x	1976444-1	16	Brass, pre-tin	1586054-1	NA	158055-1	NA		



Ultra-Fast Fully-Insulated FASTON Receptacles and Tabs

Ultra-Fast FASTON receptacles and tabs offer the advantage of a completely protected terminal and wire crimp with comparable electromechanical performance to open barrel "F" Crimp FASTON terminals.

Features ▶

- One-piece, fully-insulated FASTON receptacle
- Each terminal features a low-insertion-force Premier FASTON receptacle
- Each terminal features a unique wire barrel serration design
- Color-coded by wire size
- Standard and large insulation diameter product available

Benefits ▶

- Promotes safe applications by preventing shock and short hazards
- Resistance to abuse with low mating force and superior retention
- F-Crimp-comparable electro-mechanical performance
- Ease of identification
- Accommodates standard, heavy-wall, and two-wire applications

Applications ▶

- Household appliances
- Lawn and garden equipment
- HVAC units
- Vending machines
- Motorcycles, cars, trucks, and off-highway vehicles

Product Specifications ▶

Part Number		Product Series	Wire Range (AWG)	Insulation Diameter Maximum	Mating Tab Size
Strip	Loose				
7-520365-2 ¹	7-520366-2 ¹	Ultra-Fast Receptacle 110/125 Series	26-22	.100	.020 x .110 ²
2-520080-2 ¹	2-520081-2 ¹		22-18	.120	.016 x .110 ²
2-520083-2	2-520084-2		22-18	.120	.020 x .110 ²
2-520272-2	2-520273-2		22-18	.120	.032 x .110 ²
2-520306-2	NA		22-18	.230	.020 x .110 ²
2-520310-2	NA		22-18	.230	.032 x .110 ²
3-520370-2 ¹	NA	Ultra-Fast Receptacle 187 Series	16-14	.260	.020 x .110 ²
2-520181-2 ³	2-520182-2		22-18	.135	.020 x .187
2-520193-2	2-520194-2		22-18	.135	.032 x .187
2-520261-2	NA		22-18	.230	.020 x .187
2-520274-2	2-520275-2		22-18	.230	.032 x .187
3-350815-2	3-350816-2		16-14	.160	.020 x .187
3-520124-2	3-520125-2		16-14	.160	.032 x .187
3-520150-2	3-520151-2		16-14	.260	.020 x .187
3-520276-2	NA		16-14	.260	.032 x .187
2-520183-2	2-520184-2		22-18	.135	.032 x .250
2-520183-4 ⁴	2-520184-4 ⁴	22-18	.135	.032 x .250	
2-520263-2	2-520264-2	Ultra-Fast Receptacle 250 Series	22-18	.230	.032 x .250
2-520263-4 ⁴	NA		22-18	.230	.032 x .250
3-350819-2	3-350820-2		16-14	.160	.032 x .250
3-520116-2 ²	3-520117-2 ²		16-14	.160	.032 x .250
3-520140-2	3-520141-2		16-14	.260	.032 x .250
3-520140-4 ⁴	NA		16-14	.260	.032 x .250
4-520447-2	4-520448-2	Ultra-Fast Flag Receptacle 187 Series	12-10	.320	.032 x .250
2-520334-2	2-520335-2		22-18	.165	.020 x .187
2-520336-2	2-520337-2		22-18	.165	.032 x .187
3-520338-2	3-520339-2		16-14	.185	.020 x .187
3-520340-2	NA		16-14	.185	.032 x .187
3-520997-2	NA		16-14	.260	.020 x .187
3-521247-2	NA	Ultra-Fast Flag Receptacle 205 Series	16-14	.260	.032 x .187
2-521164-2	NA		22-18	.165	.032 x .205
2-520128-2	2-520129-2	Ultra-Fast Flag Receptacle 250 Series	22-18	.165	.032 x .250
2-520856-2	NA		22-18	.230	.032 x .250
3-520132-2	3-520133-2		16-14	.185	.032 x .250
3-521013-2	NA		16-14	.260	.032 x .250
2-521102-2	2-521103-2	Ultra-Fast Tab 187 Series	22-18	.135	.020 x .187
2-521104-2	2-521105-2		22-18	.135	.032 x .187
2-520102-2	2-520103-2	Ultra-Fast Tab 250 Series	22-18	.135	.032 x .250
2-521144-2	2-521192-2		22-18	.230	.032 x .250
3-520106-2	3-520107-2		16-14	.160	.032 x .250
3-521142-2	3-521191-2		16-14	.260	.032 x .250
4-521097-2	4-521098-2		12-10	.320	.032 x .250

¹ Special UL/CSA status (check AMP Engineering). Material: housing-nylon, +125°C UL-rated; terminal-tin-plated brass

² Will accept .125 wide tabs

³ Also available in tin-plated phosphor bronze

⁴ Tin-plated phosphor bronze



Flexible Cable Protection System

Tyco's corrugated plastic tubing and protective metal conduit are available with inner diameters of 6.5 mm to 47 mm. One-piece male and female connections offer UNEF, metric, NPT, and PG thread options in shell sizes of 11, 13, 17, and 23. The tubing and conduit can be panel-mounted and sealed to IP68.



Flexible cable protection system

Features ▶

- Quick connect/disconnect connection fingers
- One-piece connectors
- Multiple diameters/shell sizes
- Multiple thread sizes

Benefits ▶

- Quick connect/disconnect
- Sealing to IP68
- Chemical/corrosion resistance
- Easy application/field repair

Applications ▶

- Industrial machinery
- Rail
- Mil aero
- Highway equipment

Product Specifications ▶

Part Number	Description
1-969807-2	Female connector
1-969809-3	Female connector
1-969811-4	Female connector
2-969813-5	Female connector
969803-2	Male connector
969803-3	Male connector
969803-4	Male connector
969803-5	Male connector
969789-2	Tubing
969789-3	Tubing
969789-4	Tubing
969789-5	Tubing



HTS heavy-duty connectors

HTS Heavy-Duty Connectors

Tyco's heavy-duty connector system consists of a cable fitting (including gasket), a hood, pin contacts, a male insert, a female insert, socket contacts, and housing. Cable fittings are designed for protection up to IP68 and for electromagnetic compatibility. Hoods are available in standard and corrosion-resistance construction, as well as low and high construction. They are also available with four different locking systems and different cable entries. Contacts are gold or silver-plated and come with a spring or clamp termination. Male and female inserts are designed for screw, spring clamp, or crimp terminals.

Features ▶

- Wide range of industrial connectors available
- DIN VDE 0627
- Robust pressure-tight and corrosion-resistant housings available
- Mixing of HVS modular series of connectors allows for specific customer requirements

-Benefits ▶

- Plastic inserts are 94V0 rated, rugged, and vibration-resistant
- Modular design allows for power and signal transmission in one connector
- New Q series all-plastic line is lower in cost

Applications ▶

- Industrial machinery
- Railways
- Distribution

Product Specifications ▶

Part Number	Description
3-1102771-2	HUT.M32.P
1102894-1	HUT.NPT.3/8"
2-1105000-3	HD.M-C-STI.SN.0,5
2-1105001-3	HD.M-C-BU.SN.0,5
1-1105050-1	HN.D-C-STI.AG.0,14
1-1105050-2	HN.D-C-STI.AU.0,14
2-1105050-1	HN.D-C-STI.AG.0,5
3-1105050-1	HN.D-C-STI.AG.0,75
4-1105050-1	HN.D-C-STI.AG.1,5
2-1105051-1	HN.D-C-BU.AG.0,5
3-1105051-1	HN.D-C-BU.AG.0,75
4-1105051-1	HN.D-C-BU.AG.1,5
1-1105100-2	HE/HA-C-STI.AU.0,5
2-1105100-2	HE/HA-C-STI.AU.0,75
3-1105100-1	HE/HA-C-STI.AG.1,5
3-1105100-2	HE/HA-C-STI.AU.1,5
1-1105101-2	HE/HA-C-BU.AU.0,5
2-1105101-2	HE/HA-C-BU.AU.0,75
3-1105101-1	HE/HA-C-BU.AG.1,5
3-1105101-2	HE/HA-C-BU.AU.1,5
2-1105300-1	HVT-C-STI.AG.0,75
3-1105300-1	HVT-C-STI.AG.1,5
1-1105301-1	HVT-C-BU.AG.0,5
3-1105301-1	HVT-C-BU.AG.1,5
4-1105301-1	HVT-C-BU.AG.2,5
1-1106100-1	SPB-M3
1-1106102-1	F-STI-M3
1-1106302-9	Schellenset 4, 5 mm
3-1106302-9	Schellenset 6 mm
5-1106302-9	Schellenset 8 mm
1106452-1	HD.40.STO.1.M32.G
1546264-2	Pin contact, taped, silver, hts.
1546265-3	Socket, contact, taped, silver, hts.



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