



Industrial Ethernet

This rugged connector series meets the Ethernet/IP RJ45 requirements/standards. Designed for use in harsh environments, this series is available in an ODVA inter-operability interface or the reliable CPC interface. This product line also features a tool-less, termination-shielded connector series and printed circuit board-mount versions.



Industrial Ethernet

Features ▶

- For category 5 and 5e cables
- Sealing performance per IP67
- Protective sealing cap available for connectors
- Shielded and unshielded product offerings
- Pass-through and field-installable receptacles and plugs available

Benefits ▶

- Rugged design provides reliable connection in harsh environments
- Vibration-resistant
- Bulkhead receptacles mount to either outside or inside panel cutout
- Shielded and unshielded products fully intermateable
- ROHS compliant

Applications ▶

- Industrial machinery
- Diagnostic equipment
- Communication equipment
- Outdoor communications
- Printers

Product Specifications ▶

Part Number	Description
1776186-1	Receptacle kit, pass-through RJ45, CPC
1546876-1	CPC plug kit, unshielded
1546907-1	CPC plug kit, shielded
208652-1	Receptacle sealing cap with beaded chain
1546877-1	Receptacle kit, wire-terminated, unshielded, CPC
1986172-1	Receptacle kit, shielded pass-through RJ45, CPC
1903527-1	Shielded, tool-less, industrial Ethernet plug kit
1738607-1	ODVA plug kit
1738601-1	ODVA receptacle kit, pass-through
1738611-1	ODVA protective cover
1-1546405-1	Direct PCB 8-pin thru-hole receptacle
1-1546409-1	Receptacle with PCB
1-1546410-1	Receptacle with 12" of cable (10 Base-T)
1-1546411-1	Receptacle with 12" of cable (568A)
1-1546412-1	Receptacle with 12" of cable (568B)
1546574-1	Female-to-female adapter
1546641-1	Threaded-through panel interconnect, M40 thread size
1546451-2	Overmolded 5-meter male-to-male cordset
1-1546440-1	RJ-45 plug connector



AMP power series connectors

AMP Power Series Connectors

The AMP Power Series Connectors provide a quick, hermaphroditic connect/disconnect means to transmit “power” levels of current and voltage. Eight series, based on approximate current-carrying capability, are available: series 15/30/45, series 50, series 50 FPR (finger probe resistant), series 75, series 120, series 175, series 180, and series 350. The product family is primarily comprised of single-pole and double-pole using cold-headed or stamped and formed contacts.

Features ▶

- Hermaphroditic (genderless) housing
- Built-in interlocking feature
- Multiple current-carrying capability
- Multiple colors
- Molded in 2-pole polarity (positive and negative)

Benefits ▶

- Genderless housings reduce inventory
- Stackable single-pole housings in four directions
- Intermateable with similar connectors from other manufacturers
- Adheres to Amateur Civil Emergency Service requirements

Applications ▶

- Industrial equipment
- Amateur emergency radio
- Power supplies and charging systems
- Rechargeable batteries
- Material handling equipment

Product Specifications ▶

Part Number	Description	Part Number	Description
1445957-1	Series 15/30/45 blue, single-pole housing	1604041-1	Series 175 and Series 180 1 AWG contact
1445957-2	Series 15/30/45 black, single-pole housing	1604054-1	Series 350 2/0 AWG contact
647845-3	Series 50 red, double-pole housing	1604051-1	Series 350 300 MCM contact
1604342-1	Series 50 FPR brown, double-pole housing	1445120	Vertical pin header, thru-hole, tin
1445715-3	Series 75 white, single-pole housing	1445121	Vertical pin header, surface-mount, tin
1604001-4	Series 120 green, single-pole housing	1445123	Vertical pin header, thru-hole, 15 AU
1445994-1	Series 120 gray, double-pole housing	1445124	Vertical pin header, surface-mount, 15 AU
1604037-1	Series 175 yellow, double-pole housing	1445125	Vertical pin header, thru-hole, 30 AU
1604062-1	Series 180 blue, single-pole housing	1445126	Vertical pin header, surface-mount, 30 AU
1604050-1	Series 350 yellow, double-pole housing	1445169	Pin header, R/A, thru-hole, tin
1744042-1	Series 15/30/45 16-20 AWG contact	1445170	Pin header, R/A, thru-hole, 15 AU
1744041-1	Series 15/30/45 12-16 AWG contact	1445171	Pin header, R/A, thru-hole, 30 AU
647879-1	Series 50 10-12 AWG contact	1445172	R/A pin header, surface-mount, tin
647877-1	Series 50 and Series 75 6 AWG contact	1445173	R/A pin header, surface-mount, 15 AU
1445996-1	Series 120 4 AWG contact	1445174	R/A pin header, surface-mount, 30 AU
1445995-1	Series 120 2 AWG contact	NA	NA



Barrier Strip Terminal Blocks

The Barrier Strip Terminal Block line offers a variety of PCB and panel-mounted configurations. Products are available for high-temperature and corrosive environments. Our terminal blocks are designed to handle up to 30A, accepting up to 10 AWG wires.



Barrier strip terminal blocks

Features ▶

- Wide variety of configurations
- Ink marking available for circuit identification
- Binding head and wire clamp screws
- Platings for corrosive environments available

Benefits ▶

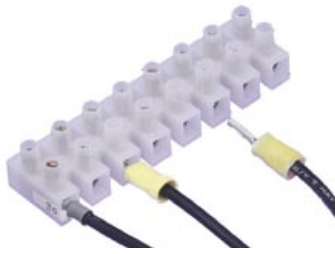
- Reduces PCB space with insulating barriers between circuits
- Reusable screw connections
- Bare wire applications; no need to pre-terminate wires
- UL/CSA-recognized components

Applications ▶

- Security/alarm devices
- Industrial controls
- HVAC
- Commercial and building equipment
- Household/commercial appliances

Product Specifications ▶

Part Number	Description
1546657-4	.250" dual-barrier, PCB mount, wire clamp, 4-position
3-1437667-6	.325" dual-barrier, PCB mount, wire clamp, 12-position
2-1437667-9	.325" dual-barrier, PCB mount, wire clamp, 6-position
1546927-4	.325" tri-barrier w/cover, PCB mount, wire clamp, 4-position
1437648-2	.325" tri-barrier, dual PCB mount, wire clamp, 2-position
7-1437648-4	.325" tri-barrier, PCB mount, wire clamp, 5-position
1546306-6	.374" double row, panel-mount, binding head screw, 6-position
1-1546307-0	.374" double row, panel-mount, wire clamp, 10-position
1437666-1	.375" dual-barrier, panel-mount, solder turret, wire clamp, 4-position
3-1437664-1	.375" dual-barrier, PCB mount, low-profile, wire clamp, 3-position
2-1437665-2	.375" dual-barrier, PCB mount, wire clamp, 4-position
2-1437662-4	.375" tri-barrier, panel-mount, quick connect feed-thru, wire clamp, 3-position
5-1437652-4	.375" tri-barrier, PCB mount, wire clamp, 3-position
6-1437651-9	.375" tri-barrier, R/A PCB mount, wire clamp, 3-position
1546670-4	.437" double row, panel-mount, binding head screw, 4-position
3-1546561-1	.437" dual-barrier, panel-mount, quick connect top-hardware, 2-position
2-1437416-2	.437" dual-barrier, PCB mount, wire clamp, 6-position
1-1437657-8	.437" tri-barrier, dual PCB mount, binding head screw, 6-position
9-1437657-8	.437" tri-barrier, PCB mount, wire clamp, 6-position
1546310-3	.563" double row, panel-mount, binding head screw, 3-position



Europa blocks

Europa Blocks

Europa Blocks are available in 8 mm, 10 mm, 12 mm, 13.5 mm, and 14.5 mm centerlines. Two connection styles are offered with and without a wire protector. The wire protector style has a plate to shield the wire from being cut by the screw. The tunnel connection option is used with solid wire, eliminating the need for a protective plate.

Features ▶

- Broad wire range can be used with 6 AWG to 26 AWG wire, depending on model selected
- All models are available with wire protectors to eliminate breakage of stranded wire
- Captive screws supplied in open position and ready to wire
- Wire stop available on TSB500 and TSB1000 styles upon request

Benefits ▶

- Modular design; can be cut into smaller sizes without altering electrical properties
- Parts are finger-safe
- Tubular contacts

Applications ▶

- Motor controls
- Power supplies
- Transformers
- HVAC
- Household/commercial appliances

Product Specifications ▶

Part Number	Description
1776293-1	TSB230 01DS
1-1776293-2	TSB23012DS
1776294-2	TSB230 02
1776296-2	TSB500 02 31DS
1776296-3	TSB500 03 31DS
1776296-6	TSB500 06 31DS
1-1776296-0	TSB500 10 31DS
1-1776296-2	TSB500 12 31DS
1776302-2	TSB1000 02DS
1776302-3	TSB 1000 03 DS
1776304-6	TSB1000 06DSHT
1776312-2	TSB2000 02 DS
1776312-3	TSB2000 03 DS
1776312-6	TSB2000 06 DS
1776315-3	TSB2000 03DSUS
1776315-6	TSB2000 06DSUS



Eurostyle Terminal Blocks

Eurostyle terminal blocks offer many configurations based on centerline spacing, current rating, voltage rating, mounting styles, temperature rating, screw torque, and color. For instance, there are versions available in one-piece, two-piece, and screwless styles, and parts are available with side-wire, top-wire, and angled-wire entry. The product is also offered in a variety of centerlines. Most configurations are modular and many colors are available.



Eurostyle terminal blocks

Features ▶

- Screw-wire termination styles in both cage-clamp and wire protector styles
- Various screwless-type connector styles with spring-type connection
- One and two-piece connectors available in an array of centerlines
- Blocks are supplied with open screws, which shortens time for connection

Benefits ▶

- High reliability for cage-clamp versions
- Wire protector version lower in price
- Most parts are stackable from end to end, without loss of centerline spacing
- Connectors are interchangeable with most existing products

Applications ▶

- Security/alarm devices
- Industrial controls
- Irrigation controls
- HVAC
- Power supplies

Product Specifications ▶

Part Number	Description
282830-3	Terminal block plug 90/180 degree stacking, 5.00 mm pitch, 3P
282830-6	Terminal block plug 90/180 degree stacking, 5.00 mm pitch, 6P
1546391-2	Unshrouded pin header 5.0 mm pitch, 2P
1546391-3	Unshrouded pin header 5.0 mm pitch, 3P
1546391-6	Unshrouded pin header 5.0 mm pitch, 6P
282836-2	Terminal block PCB mount, side-wire entry 5 mm pitch, green, 13.5A, 2P
282836-3	Terminal block PCB mount, side-wire entry 5 mm pitch, green, 13.5A, 3P
796682-2	Terminal block PCB mount, side-wire entry 5 mm pitch, black, 17.5A, 2P
282837-2	Terminal block PCB mount, side-wire entry 5.08 mm pitch, green, 13.5A, 2P
282837-3	Terminal block PCB mount, side-wire entry 5.08 mm pitch, green, 13.5A, 3P
282837-6	Terminal block PCB mount, side-wire entry 5.08 mm pitch, green, 13.5A, 6P
3-282837-2	Terminal block PCB mount, side-wire entry 5.08 mm pitch, green, 13.5A, 13P, spcl. marking
3-282837-3	Terminal block PCB mount, side-wire entry 5.08 mm pitch, green, 13.5A, 9P, spcl. marking
282841-3	Terminal block PCB mount, side-wire entry 5.08 mm pitch, green 17.5A, 3P
796949-2	Terminal block PCB mount, side-wire entry 5.08 mm pitch, black, 17.5A, 2P
796949-3	Terminal block PCB mount, side-wire entry 5.08 mm pitch, black, 17.5A, 3P
796949-4	Terminal block PCB mount, side-wire entry 5.08 mm pitch, black, 17.5A, 4P
282857-3	Terminal block PCB mount, side-wire entry 5.08 mm pitch, green, 24A, 3P
796689-3	Terminal block PCB mount, angled-wire entry, 5.0 mm pitch, black, 3P
284093-2	Terminal block PCB mount, top-wire entry 5.0 mm pitch, green, 2P
284093-6	Terminal block PCB mount, top-wire entry 5.0 mm pitch, green, 6P
282966-6	Terminal block pin header 90 degree, closed ends, 7.62 mm pitch, green, 6P

Part Number	Description
284506-3	Terminal block plug 90 degree stacking, 3.5 mm pitch, green, 3P
796693-7	Terminal block plug 90 degree stacking, 3.5 mm pitch, blue, 7P
284507-4	Terminal block plug 90 degree stacking, 3.81 mm pitch, green, 4P
284512-3	Terminal block pin header 90 degree, closed ends, 3.5 mm pitch, green, 3P
284513-7	Terminal block pin header 90 degree, closed ends, 3.81 mm pitch, green, 7P
284514-5	Terminal block pin header straight closed ends, 3.5 mm pitch, green, 5P
796694-3	Terminal block pin header straight closed ends, 3.5 mm pitch, blue, 3P
796694-8	Terminal block pin header straight closed ends, 3.5 mm pitch, blue, 8P
1-796694-0	Terminal block pin header straight closed ends, 3.5 mm pitch, blue, 10P
1776263-2	Terminal block flush-mount plug, w/wire protection, 5.0 mm pitch, blue, 2P
1776263-3	Terminal block flush-mount plug, w/wire protection, 5.0 mm pitch, blue, 3P
1776263-6	Terminal block flush-mount plug, w/wire protection, 5.0 mm pitch, blue, 6P
1776489-2	Unshrouded pin header 5.0 mm pitch, blue, 2P
796634-3	Terminal block plug 90 degree stacking, 5.08 mm pitch, green, 3P
796634-4	Terminal block plug 90 degree stacking, 5.08 mm pitch, green, 4P
796634-6	Terminal block plug 90 degree stacking, 5.08 mm pitch, green, 6P
796634-7	Terminal block plug 90 degree stacking, 5.08 mm pitch, green, 7P
796634-8	Terminal block plug 90 degree stacking, 5.08 mm pitch, green, 8P
796638-3	Terminal block pin header 90 degree, closed ends, 5.08 mm pitch, green, 3P
796638-4	Terminal block pin header 90 degree, closed ends, 5.08 mm pitch, green, 4P
796638-6	Terminal block pin header 90 degree, closed ends, 5.08 mm pitch, green, 6P
796638-8	Terminal block pin header 90 degree, closed ends, 5.08 mm pitch, green, 8P



Circular Plastic Connectors (CPC)

Circular Plastic Connectors (CPC)

Tyco's circular plastic connectors offer a circular design consisting of a receptacle and plug assembly. They are available in standard density using size 16 signal contacts (series 1), high density using size 20 signal contacts (series 2), power density using type XII contacts (series 3), power and signal combination (series 4), sealable power using 0.125 powerband contacts (series 5), and a sealable power and signal combination (series 6). These connectors support wire-to-wire, wire-to-panel, and wire-to-board applications.

Features ▶

- Quick connect/disconnect coupling ring
- Positive lock mating threads
- Removable contacts
- Multiple shell sizes
- Sealing available

Benefits ▶

- Packaging versatility
- Design/application flexibility
- Easy field repair
- Readily available

Applications ▶

- Industrial machinery
- Electronic/thermal controls
- Rail
- Mil aero
- Highway equipment

Product Specifications ▶

Part Number	Description
206061-1	Receptacle square flange, series 1, size 11-4
206060-1	Plug, size, series 1, 11-4
208131-1	Receptacle square flange, series 1, size 13-9
206708-1	Plug, series 1, size 13-9
206036-8	Receptacle square flange, series 1, size 17-16
206037-1	Plug, series 1, size 17-16
211839-1	Receptacle square flange, series 1, size 23-24
206837-1	Plug, series 1, size 23-24
206151-1	Receptacle square flange, series 1, size 23-37
206150-1	Plug, series 1, size 23-37
205841-1	Receptacle square flange, series 2, size 11-8
205838-1	Plug, series 2, size 11-8
206036-2	Receptacle square flange, series 3, size 17-3
206037-2	Plug, series 3, size 17-3
207486-1	Receptacle square flange, series 4, size 23-16
207485-1	Plug, series 4, size 23-16
788189-1	Receptacle square flange, series 5, size 17-3
788188-1	Plug, series 5, size 17-3
213893-2	Receptacle square flange, reverse, series 6, size 17-10
213906-1	Plug, reverse, series 6, size 17-10