

Amidon™, inc.

240 Briggs Ave. • Costa Mesa • CA 92626 | (714) 850-4660

www.amidoncorp.com



Product Brochure

Housings & Wafers



- Fast, effective, economical, shock resistant interconnection systems
- Drawings and specifications available
- Customizable to fit your application
- Multiple positions
- Square or round Posts
- Disconnectable, polarized, locking ramp & stackable designs
- UL94-2 & UL94V-0 ratings
- 100% tested for electrical and mechanical specifications
- Many pitches available including 1.00, 1.25, 1.30, 1.50, 1.58, 2.00, 2.36, 2.50, 2.54, 3.00, 3.50, 3.96, 4.00, 4.20, 5.00, 5.08, 8.00mm sizes and special
- Custom tooling

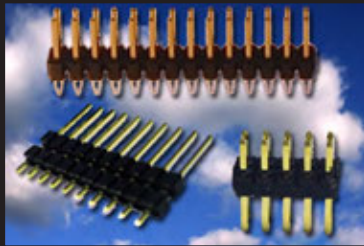
Voltage Rating: 250VAC max.
Current Rating: 3 amps max
Operating Temp: -65°C to 125°C

RoHS, Reach & WEEE Compliant

Cable Assemblies Available



Pin Headers



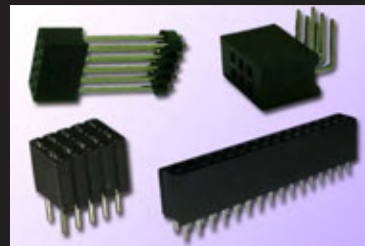
- Fast, economical installation on logic panels, PC boards and backplanes
- Single, double, triple and quad rows
- Multiple pin shapes, sizes and platings
- Dual & breakaway insulators
- Molded in standoffs
- Surface mount & press fit options
- Customization available
- Standard black insulator
- Other colors available
- .050, .079, .100, 2.00, 2.54 and custom pitch options

Voltage Rating: 250VAC max
Current Rating: 3 amps max.
Operating Temp: -55°C to +125°C

RoHS, Reach & WEEE Compliant



Receptacle Strips



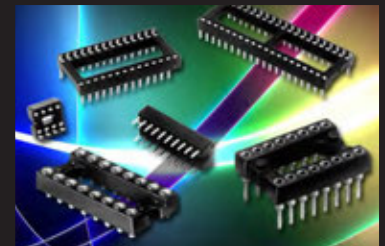
- Low profile, right angle, surface mount, side entry and elevated designs
- 2.54, 2.00, .156, .079, .050 pitches and custom variations
- Single, Dual & Multi Wipe Contact Designs
- Chamfered angle entry holes for easy mating (.100, .079 pitch)
- Stackable body design
- Multiple plating options
- Standard black insulator
- Customization available
- 1 - 80 Positions

Voltage Rating: 250VAC max.,
Current Rating: 1 amp max.
Insulator Material: PBT, LCP, Nylon 66, 6T, 9T, glass reinforced, UL94V-0 rated

RoHS, Reach & WEEE Compliant



IC, PLCC & DIMM Sockets



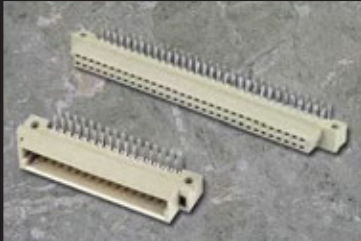
- Stamped Pin Sockets
 - Dual wipe contact design
 - Anti-wicking design
 - Low profile compact design
 - Fast and easy installation
 - Standard black insulator color
 - Conforms to MIL-S-83734 and EIA RS415 standards
- Machined Sockets
 - Precision machined sockets
 - Funnel shaped four fingered contacts
 - Low profile for maximum packaging density
 - Closed bottom sleeve anti-wicking design
 - Standard black insulator color
 - Customization available

Voltage Rating: 250VAC max
Current Rating: 1 amp max.
Operating Temp: -55°C to +125°C
Plating: Gold or Tin

RoHS, Reach & WEEE Compliant

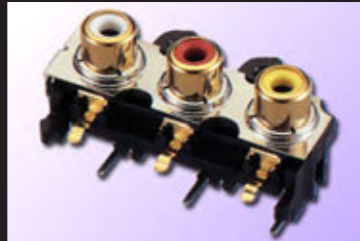


Euro DIN Connectors



- Types B, B2, B3, C, C2, C3, M, Q, Q2, Q3, R, R2, R3
- Brass contacts
- IDC type with phosphor bronze contacts available
- Press fit option
- Three class levels of selective gold plating
- First-mate-last-break (FMLB) available
- Board lock option
- 2.54mm and 5.08mm pitch

RCA Jacks & Plugs



- Single, ganged and stacked styles
- Straight and right angle mounting
- Metal or thermoplastic housings
- Many configurations
- Colors include natural, black, red, white, yellow, blue, gray, green, orange & brown

Terminal Blocks & Barrier Strips



- Terminal Blocks**
- 3.50 to 10.00mm pitch
 - Top, side and 45 degree entries
 - Multi level types
 - Screw and screwless
 - Solid strips
 - 2P and 3P modular blocks can be dovetailed together to make any desired length
 - Black or green thermoplastic body
- Barrier Strips**
- 6.5 to 13.00mm pitch barrier strips
 - Open, closed, covered and dual level designs
 - Wide range of profiles and mounting styles
 - Many hardware options
 - 5.00mm accept AWG 16 to AWG 22, stranded
 - 10.00mm accept AWG 14 to AWG 18, stranded

HDMI/ DisplayPort Connectors & Cable Assemblies



- Female surface mount, female R/A mount, male solder type, male clip type, female clip type
- 19 positions standard
- Multiple selective gold plating options
- Thermoplastic housing
- Standard black housing color
- Copper alloy nickel plated front shell
- Optional flange
- Conforms to HDMI specifications

Voltage Rating: 600VDC max.
Current Rating: 2 amps max
Insulation Resistance: 1,000 megohms min. @ 500 VDC
Housing Material: PBT+30% glass fiber, UL94V-0 rated

Housing: Thermoplastic, UL94V-0
Shell: Steel
Bushing: Steel or Brass
Terminal: Brass or Copper alloy
Insertion: 3 kgs. max.
Extraction: 0.4 kgs. min.

Terminal Blocks
Operating Voltage: 150 to 300VAC
Current Rating: 6-30 amps
Barrier Strips
Operating Voltage: 300 to 600VAC
Current Rating: 10-40 amps

Current Rating: 0.5 amps
Temp: -55°C to +85°C

RoHS, Reach & WEEE Compliant



RoHS, Reach & WEEE Compliant

Cable Assemblies Available



RoHS, Reach & WEEE Compliant



RoHS, Reach & WEEE Compliant

Cable Assemblies Available



- ISO 9001:2015 Certified Quality
- Fast Competitive Price Quotes
- Cross Referencing To All Major Brands
- Completely Customizable Assembly Services
- RoHS, REACH, and WEEE Compliant



ISO
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RoHS

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RF Connectors

SHV Connectors

Waterproof Connectors

Power Supplies, Transformers & Chargers



- BNC, TNC, SMA, SMB, MCX, MMCX, N, F, VHF, PAL
- Many types, sizes & features available
- Plastic & Metal Insulator Options
- Standard Black, Optional White Insulator
- BNC conforms to Mil-C-39012 and Mil-A-55339 standards.
- TNC meets Mil C-39012 and Mil-A-55339 standards.
- SMA meets Mil-C-39012 and Mil-A-55339 standards. Receptacles conform to Mil-C-83517
- Twin-AX meets Mil-C-3655 standards.
- 50 and 75 ohm

- Wire mount and panel mount types; solder and crimp styles
- Suitable for high voltages up to 5000V ~ 20KV
- National Bureau of Standards specification ND-545 compliant
- Meets NIM standards
- Coaxial: supports RG-59, 62, 71, 58, 174, 188 and custom RG applications
- Hermetic versions available

- IP67 & IP68 Waterproof Protection
- D-Subminiature, Modular, Circular, M12, and Cat-5 Series
- Threaded, push pull & bayonet types
- Straight and right angle Adapters
- Metal and thermoplastic bodies
- Multiple positions available
- Multiple plating options
- Customization available

- Completely customizable configurations.
- Data sheets and drawings provided
- Foreign configurations available.
- 100% pre and post tested for electrical and mechanical specifications
- Customized molds with company logo and/or part number specifications
- Special packaging and labeling available

Housing: Brass, Zinc, Stainless Steel, machined or diecast, Nickel plated
Contact: Phosphor bronze, Beryllium Copper, Brass, Gold plated
insulator: Teflon, Delrin

Voltage: 3500VRMS, 5000VDC max.
Current Rating: 500 ma average, 10 amp. peak
Contacts: Brass, Gold plated
Insulator: Teflon or glass

Wide range of specifications and configurations available

Wall mount, table top and open frame types
Wide range of specifications available.

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Cable Assemblies Available



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Modular Phone Jacks, Single, Ganged & Stacked



- Sizes 4, 6 and 8
- 2, 4, 6, 8 & 10 pins
- Available in single, stacked and ganged styles
- Surface mount designs
- Snap-in board retention tabs
- Multiple plating options
- Black and gray insulator colors
- Customization available
- Auto insertion machine compatible
- Conforms to FCC requirements under #47 C.F.R. Part 68, Subpart F
- Conforms to UL1863 sec. 8 specifications
- Conforms to USOC requirements

Voltage Rating: 250VAC max.
Current Rating: 2 amps max.
Operating Temp: -65°C to +125°C
Material: PBT, ABS; UL94V-0

Magnetic RJ45 Jacks



- 10/100/1000M LAN Pulse transformers and filters
- RJ45 connector with 10/100/1000 magnetics
- T1/E1.T3/DS3/E3/STS-interface line transformer
- ISDN, HDSL, ADSL and VDSL interface line transformers and splitters
- Multiple LED color options
- POE (Power Over Ethernet) designs
- Customizable
- Meets IEEE 802.3 specifications

Housing: High temp Thermoplastic, UL94V-0
Contacts: Phosphor Bronze, Gold plated

Custom Cable Assemblies and Wire Harnesses



- Quick turnaround and delivery time
- Wired to any specification you require
- Drawings and specifications available
- Customized molds with company logo and/or part number specifications
- 100% tested for electrical and mechanical specifications
- Special packaging and labeling available
- DUXR and DUXR 2 certified
- U.L. recognized for custom cable assemblies and voice and data applications.

Molded, coiled, folded, twisted, discrete wired.
Ribbon, flat flex, telephone, RF, power, harnesses, fiber optic, many other types.
Design assistance available.

USB / Firewire Connectors



- Industry standard A, B, Mini & Micro; versions 1.1, 2.0 & 3.0
- Stacked and combination designs
- Many body and mounting styles
- High speed I/O
- Shielded for EMI/RFI protection
- Hot pluggable
- Multiple plating options
- Tape & reel packaging options
- Cable assemblies

Operating Voltage: 30VAC, 500VDC
Current Rating: 1 amp Max.
Std. Insulator: PBT, glass filled, UL94V-0 or Hi Temp Nylon PA9T, UL94V-0

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