

MTA-50 IDC Connector System

DESCRIPTION

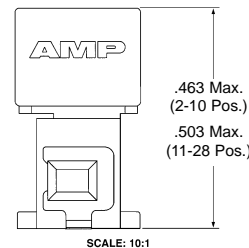
- Wire-to-printed circuit board system with contacts in a staggered, single row on .050" centerlines. The design features wire feed-through capability for daisy-chain applications. It also easily handles point-to-point wiring requirements.
- Wire connectors use insulation displacement contacts (IDC) to terminate a wide range of conductor sizes. Ribbon cable can also be terminated when the appropriate Receptacle Assembly and Strain Relief Cover are used.
- Header Assemblies for board mount applications include Right-Angle (Horizontal) and Vertical Mount products in both thru-hole and surface mount configurations.

APPLICATIONS

- Coin changers
- Vending machines
- Sensors
- Transducers
- Large and small appliances
- Security products

KEY FEATURES

- Discrete wire terminations or ribbon cable terminations
- Wire feed-thru capability for daisy-chain wiring or closed-end for point-to-point wiring
- 2-28 contact positions
- IDC contacts pre-loaded in housing
- Contact design allows for gold-to-gold or tin-to-tin interface
- Connectors are polarized to assure proper mating
- Cable connectors terminate 26-30 AWG discrete wire or ribbon cable
- Maximum cable insulation diameter of .039"
- 30V, 2A contact rating
- Manual and semi-automatic application tooling
- Mating height as shown below



MATERIALS

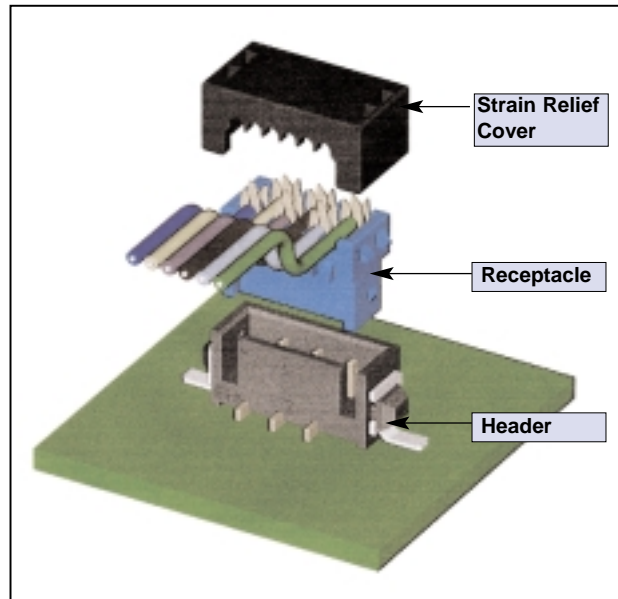
- Mating Area Plating Options:
 - Tin-plated over nickel
 - 15 micro-inches gold over nickel
 - 30 micro-inches gold over nickel
- Solder Tails and IDC Wire Termination areas are tin-plated over nickel
- Header and IDC contacts: Copper alloy
- SMT compatible header housing

FOR MORE INFORMATION

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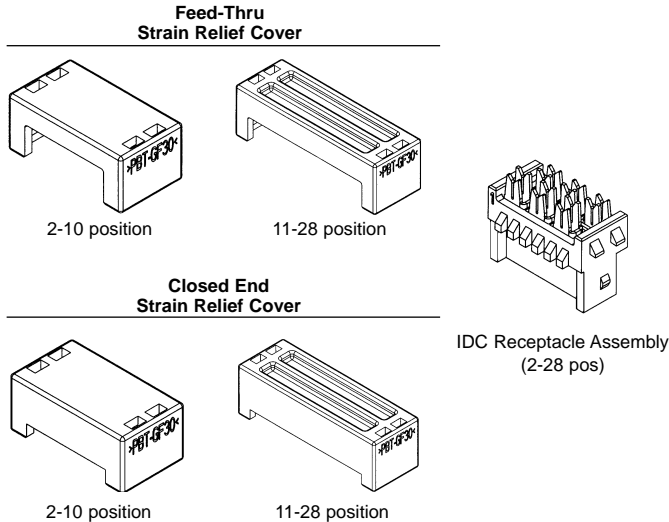
in development

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PRODUCT OFFERING

Connector Ordering Information:
 Base part number prefixes and suffixes (x) indicate the number of circuit positions, e.g. 2-position = 0-xxxxxxx-2 and 28 position = 2-xxxxxxx-8.

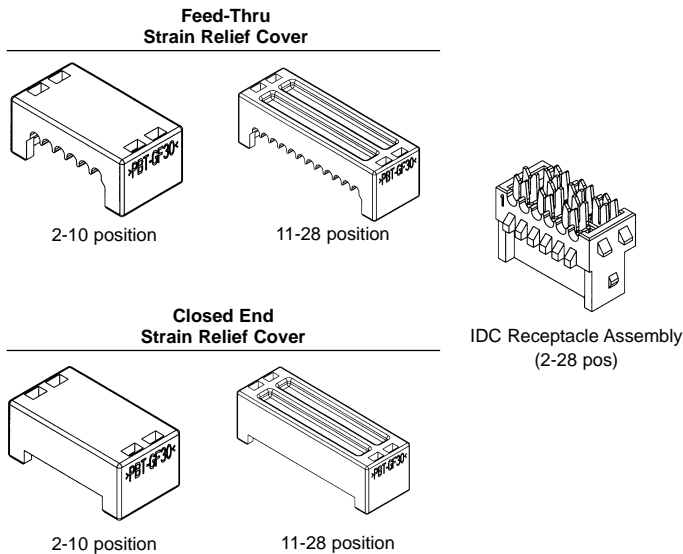
RIBBON CABLE



Wire Size	Plating	Style	Kit Part Number*
26 AWG	Tin	Feed-Thru	x-1445359-x
	15 Gold		x-1445360-x
	30 Gold		x-1445361-x
	Tin	Closed End	x-1445368-x
	15 Gold		x-1445369-x
	30 Gold		x-1445370-x
28 AWG	Tin	Feed-Thru	x-1445362-x
	15 Gold		x-1445363-x
	30 Gold		x-1445364-x
	Tin	Closed End	x-1445371-x
	15 Gold		x-1445372-x
	30 Gold		x-1445373-x
30 AWG	Tin	Feed-Thru	x-1445365-x
	15 Gold		x-1445366-x
	30 Gold		x-1445367-x
	Tin	Closed End	x-1445374-x
	15 Gold		x-1445375-x
	30 Gold		x-1445376-x

*Kit includes cover and receptacle

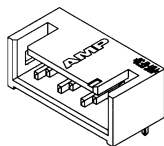
DISCRETE WIRE



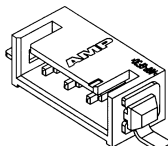
Wire Size	Plating	Style	Kit Part Number*
26 AWG	Tin	Feed-Thru	x-1445341-x
	15 Gold		x-1445342-x
	30 Gold		x-1445343-x
	Tin	Closed End	x-1445350-x
	15 Gold		x-1445351-x
	30 Gold		x-1445352-x
28 AWG	Tin	Feed-Thru	x-1445344-x
	15 Gold		x-1445345-x
	30 Gold		x-1445346-x
	Tin	Closed End	x-1445353-x
	15 Gold		x-1445354-x
	30 Gold		x-1445355-x
30 AWG	Tin	Feed-Thru	x-1445347-x
	15 Gold		x-1445348-x
	30 Gold		x-1445349-x
	Tin	Closed End	x-1445356-x
	15 Gold		x-1445357-x
	30 Gold		x-1445358-x

*Kit includes cover and receptacle

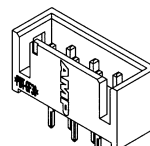
HEADER ASSEMBLY



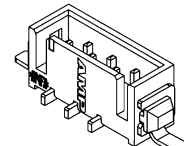
Right-Angle Thru-Hole
 (2-28 position)
 x-1445169-x (Tin)
 x-1445170-x (15 gold)
 x-1445171-x (30 gold)



Right-Angle Surface Mount
 (2-28 position)
 x-1445172-x (Tin)
 x-1445173-x (15 gold)
 x-1445174-x (30 gold)



Vertical Thru-Hole
 (2-28 position)
 x-1445120-x (Tin)
 x-1445123-x (15 gold)
 x-1445125-x (30 gold)



Vertical Surface Mount
 (2-28 position)
 x-1445121-x (Tin)
 x-1445124-x (15 gold)
 x-1445126-x (30 gold)