



Contacts-AMPMODU Machine Applied Product Line Information



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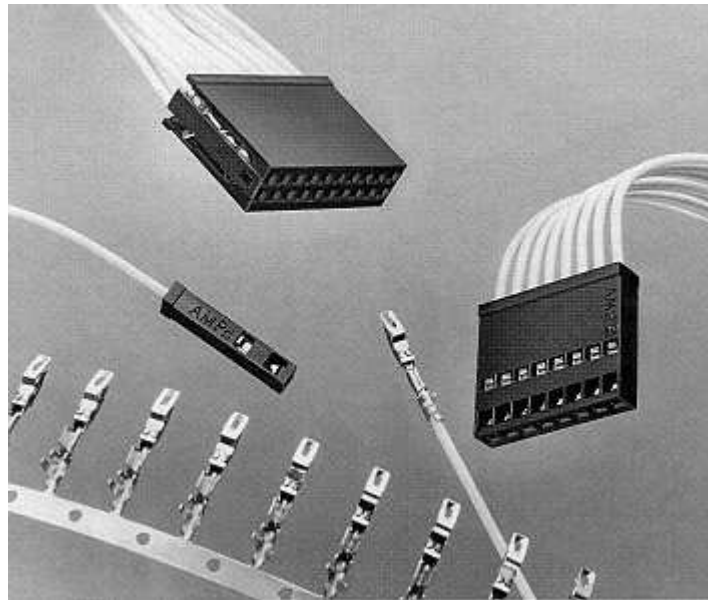
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Locking Clip Contacts and Housings



Product Facts

- Self-retaining contacts provide permanent connection with quick connect and disconnect
- Fast, easy installation with no additional locking hardware required
- Mates with .025 [.64] square or .031 x .062 [.79 x 1.57] posts in a variety of configurations
- Single- and double-row configurations in up to 20 positions on .100 [2.54] centers
- Modular design permits end-to-end stacking (double-row only) for circuit grouping
- Choice of tin or select gold plating
- Housings made of 94V-0 rated glass-filled polyester

- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476 



- Certified by Canadian Standards Association, File No. LR 7189

Performance Characteristics

Contact Durability

.025 [.64] Square	50 cycles
.031x.062 [.79x1.57]	25 cycles

Mating Force

.025 [.64] Square	3 lb. [13.34N] max. per contact
.031x.062 [.79x1.57]	4 lb. [17.79N] max. per contact

Unmating Force

.025 [.64] Square	2 oz. [.56N] min. per contact
.031x.062 [.79x1.57]	2 lb. [8.90N] min. per contact

Contact Locking Strength Retention Force

.025 [.64] Square	5 lb. [22.24N] min. for standard headers 3 lbs. [13.34N] min for breakaway headers
.031x.062 [.79x1.57]	6.5 lbs. [28.91N] min.

Contact Current Rating:

.031x.062 [.79x1.57]	5 amps max. for single contact in free air, could vary due to ambient temperature, wire size and duty cycles
.025 [.64] Square, Gold	3.5 amps max. for single contact in free air, could vary due to ambient temperature, wire size and duty cycles
.025 [.64] Square, Tin	2 amps max. for single contact in free air, could vary due to ambient temperature, wire size and duty cycles

Operating Temperature: -65°C to +105°C [-.85°F to +221°F] (Gold Plated)
-65°C to +85°C [-.85°F to +185°F] (Tin Plated)

Technical Documents

Product Specifications:

.025 [.64] Square	108-36028	Locking Clip Connector, Gold
	108-36028-1	Locking Clip Connector, Tin
.031x.062 [.79x1.57]	108-36029	Locking Clip Connector

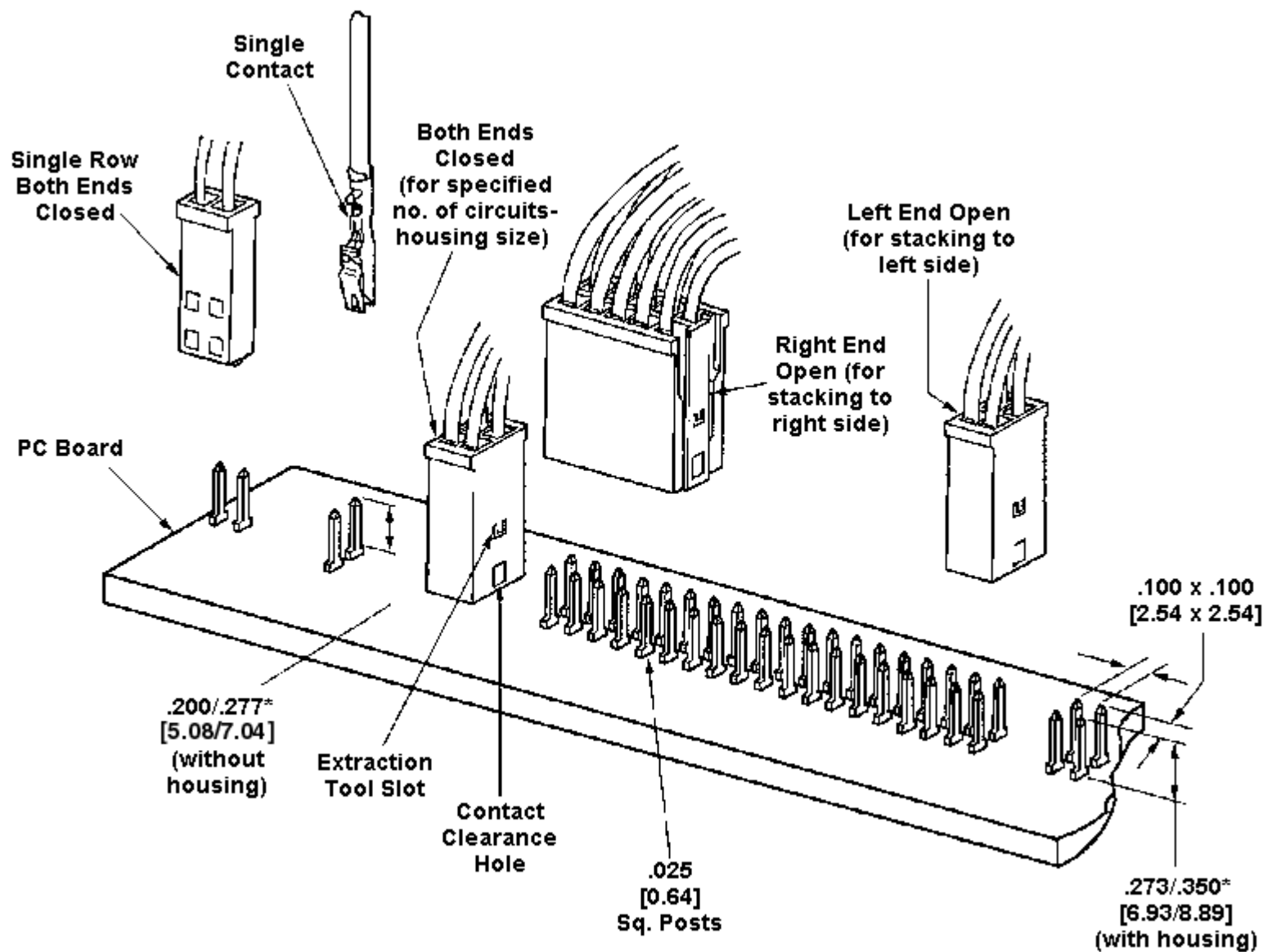
Application Specifications:

.025 [.64] Square	114-25006	Locking Clip Contacts
.031x.065 [.79x1.57]	114-25008	Locking Clip Contacts

Instruction Sheets:

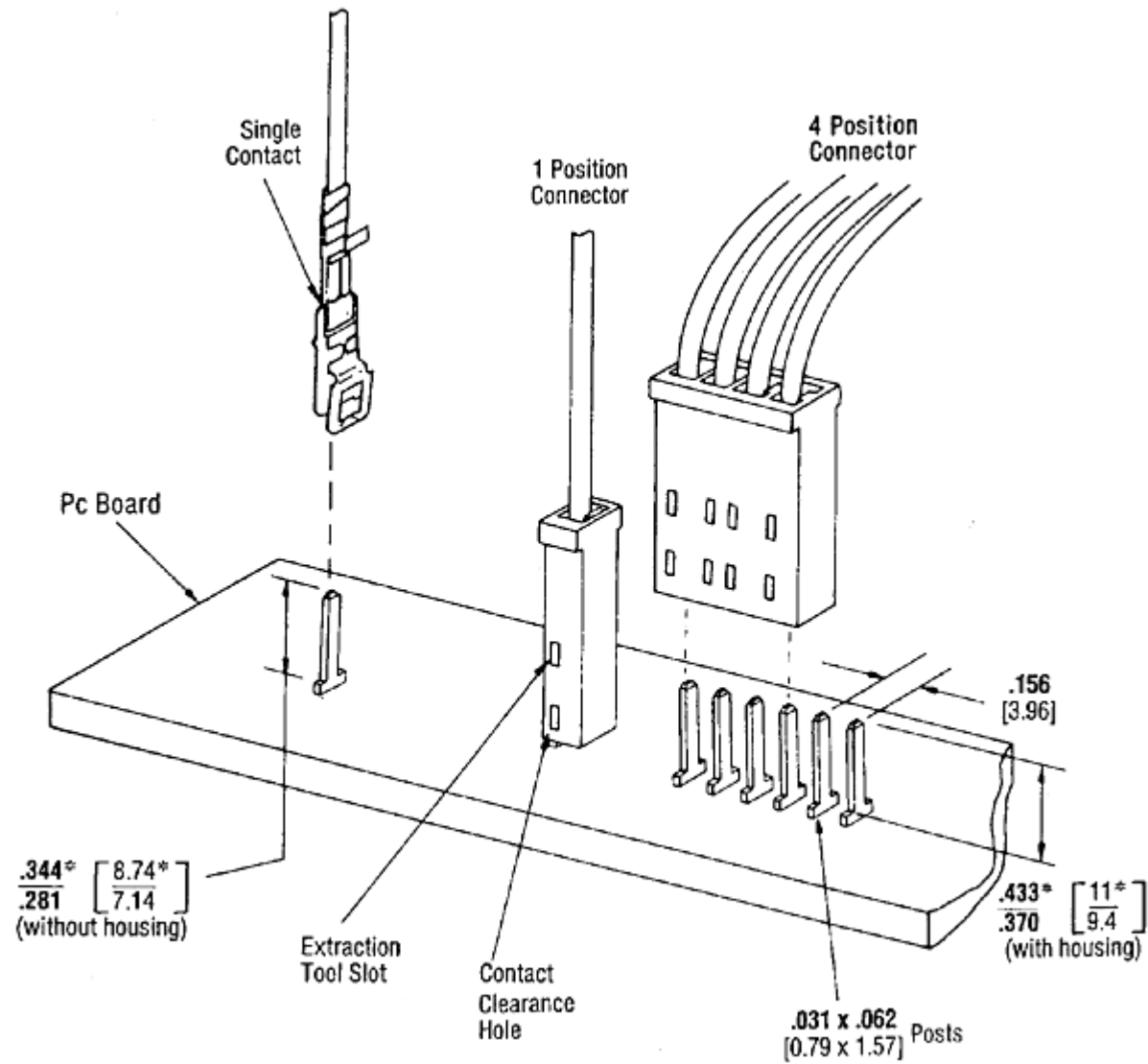
.025 [.64] Square	408-7443	AMP Hand Crimp Tool 90289-1, 22-26 AWG Wire
	408-7604	AMP Extraction Tool 91084-1
	408-7606	AMP Locking Clip Contacts and Connectors
	408-7627	AMP Hand Crimp Tool 90295-1, 28-30 AWG Wire
	408-9388	AMP Hand Crimp Tool 90431-1
.031x.065 [.79x1.57]	408-7676	AMP Locking Clip Contacts and Connectors
	408-7671	AMP Hand Tool 90308-1 for Crimping Locking Clip Contacts
	408-7678	AMP Extraction Tool 91104-1 for Locking Clip Contacts

.025 [.64] Square Post Typical Application



* If post is longer than the maximum specified, post tip may butt against wire ends.

.031x.062 [.79x1.57] Post Typical Application



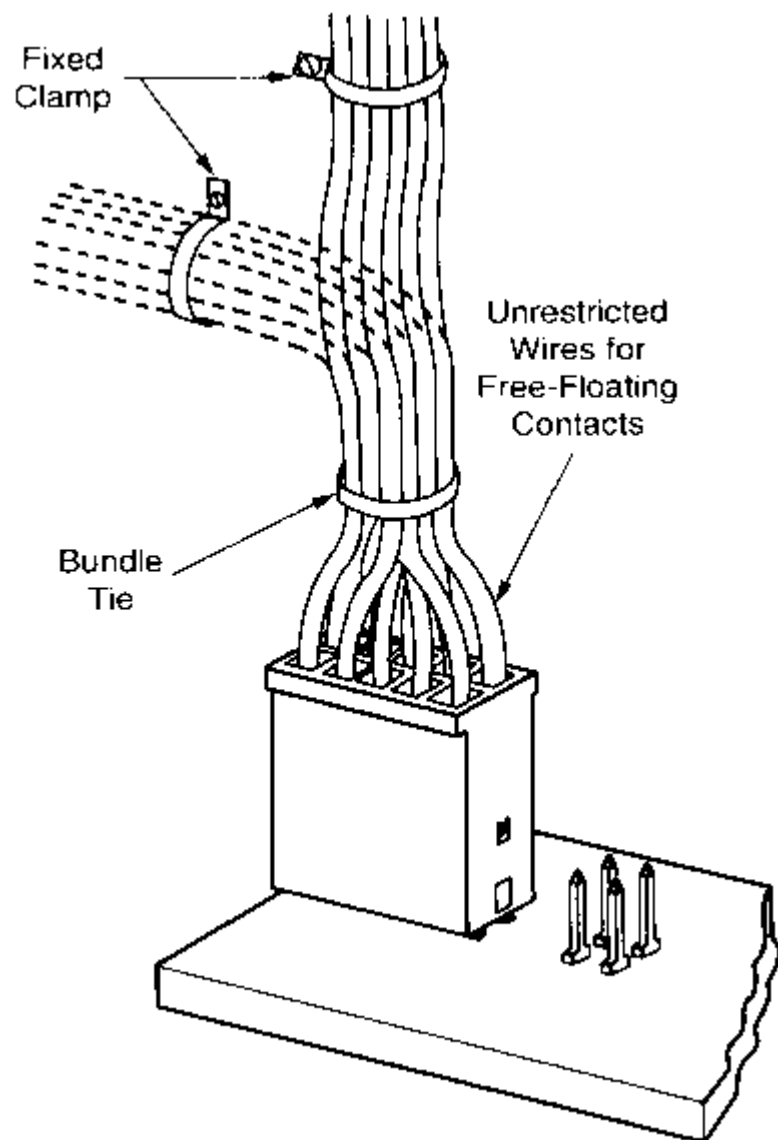
*If post is longer than maximum specified, post tip may butt against wire ends.

Contacts

Wire Harnessing

If necessary, wires can be grouped with bundle ties and secured to a panel with fixed clamps. However, locking clip contacts must be free to float within the connector housings to ensure proper extraction. Therefore, harnessing hardware or the use of multiple terminations per contact must not

restrict the free-floating action of contacts in the housing.



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