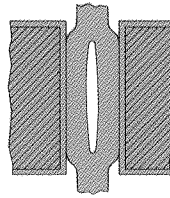


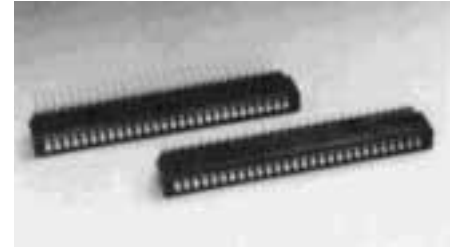
Compliant pin technology** VARIPIN™



Compliant section: When the contact is press-fit in, the section complies within the hole. Stress is absorbed by the pin, not the board, minimizing deformation of both the hole and the plating.

**Licensed under U.S. patent RE 29513.

.025" Square Post Discrete Press-Fit



Features

- Pre-assembled contacts
- Compliant press-fit interface (no soldering required) VARIPIN™
- Top-access installation too (see page 13)
- Accepts .0625 ± .008 P.C. board
- Adjacent connectors may be installed on .500 inch centerlines
- Standard insulator dimensions (see 6333 series)
- Choice of insulator positions from 12 to 100 contacts (readily available: 16, 20, 28, 30, 44, 50, 56, 60, 62, 66, 70, 72, 80, 86 & 100)
- Selective gold plating on mating surface and either gold flash or tin lead tails
- .025 inch square wrap post tails in four lengths

NOTE: All dimensions and general specifications for standard 6333 connectors apply to the press-fit connector

Assembly

The connectors shown here are easily installed using simple tooling (available from ELCO) and an arbor press. If desired, ELCO will install these connectors into the motherboard to provide a complete backpanel.

Important: Building the hole accurately is critical to proper press-fit joint performance. The finished diameter of the hole is a *reference* dimension. Tolerances for all the factors in achieving that dimension (drilled hole diameter, Cu plating thickness, and solder plating thickness) must be observed. Any deviation (e.g. a bigger hole with thicker plating) may degrade the joint. ELCO can provide engineering assistance in specifying the "press-fit" holes.

Specifications

ELECTRICAL

Maximum contact resistance: Contact to motherboard, 0.5 mΩ

Overall contact resistance: Daughter to motherboard, 10 mΩ

MECHANICAL

Minimum retention force: Contact in motherboard, 8 lbs.

Maximum installation force: Contact to motherboard, 40 lbs.

Maximum torque: Contact in motherboard, 3 in-oz

MATERIALS

Contact: Phosphor bronze

Thermoplastic insulator: UL94V0 glass-filled polyester

MOTHERBOARD

Material: Glass-filled epoxy, FR-4 or G-10

Thickness: .093-.125 inch

Drilled hole diameter: .0453 ± .001 inch

Copper through-hole plating: .001-.003 inch

Solder through-hole plating: .0003-.001 inch

Finished hole diameter: .040 ± .003 inch

Hole location tolerance:

0	.008 DIA.
---	-----------

Ordering Code

Typical Example	00	6353	080	606	505
-----------------	----	------	-----	-----	-----

SERIES

NUMBER OF CONTACTS

DUAL READ-OUT
Even Numbers Only 12 thru 100

CONTACT CODE

606 Length "L" .205"

607 Length "L" .375"

608 Length "L" .550"

609 Length "L" .715"

VARIATION CODE

PLATING DESCRIPTION				
Mating Area	15 Gold	30 Gold	15 Gold	30 Gold
Tail Area	Flash Gold	Flash Gold	Tin/Lead	Tin/Lead

VARIATION CODE				MOUNTING
515	505	615	605	No mounting ears

■ Recommended for standard applications. Available through ELCO franchised distributors.