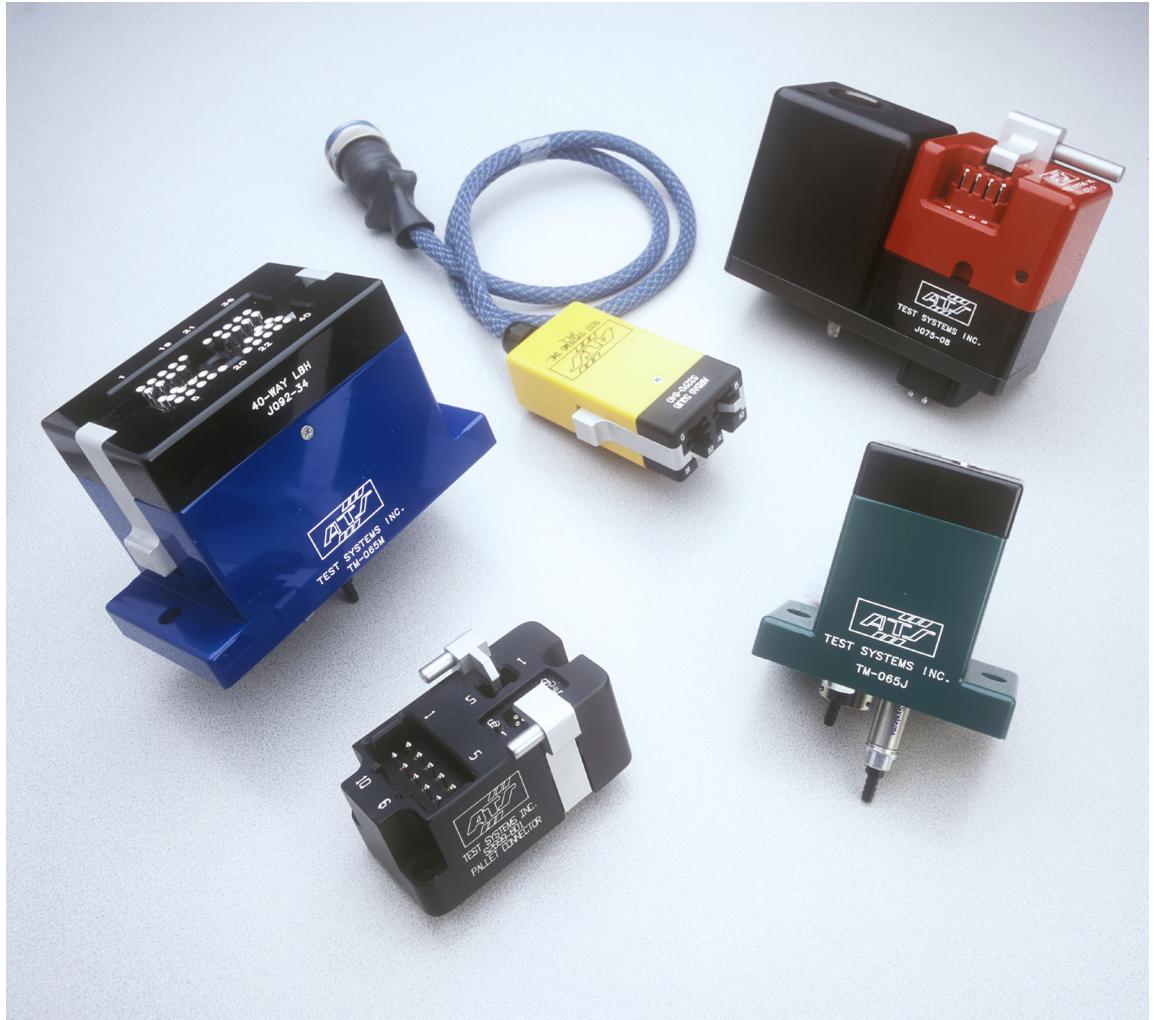


# Test Connectors

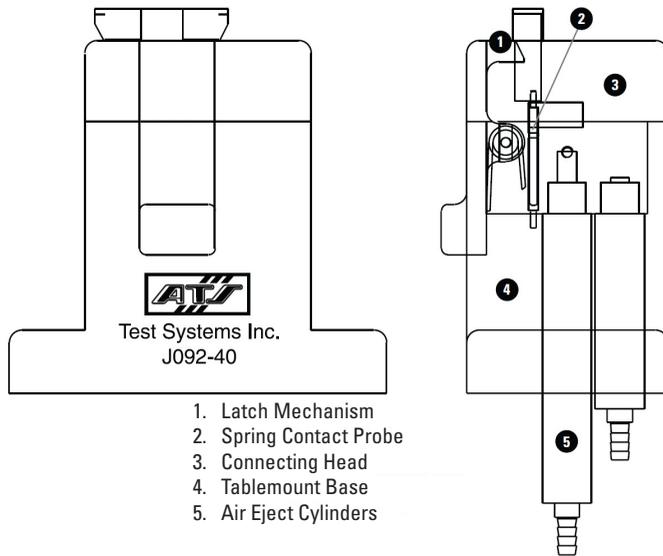


## Electrical Test Connectors



## Description

This proven industrial, factory-floor solution combines the latest technologies to develop the best possible electrical test connectors. These connectors are of high integrity and durable for repetitive manufacturing environments.



## Our Expertise Includes

- Use of spring-loaded pogo pins is non-destructive to mating production part. Female product terminals do not experience wear from test connector.
- Connector maintenance intervals are very long, typically allowing hundreds of thousands of insertions.
- Machined Delrin for quantities below four, molded urethane for greater numbers. Molded urethane has excellent electrical and mechanical properties to support this high tolerance application.
- Custom designed heads to match exact customer requirements. Standard table-mount bases and operator handles for reduced cost.
- Cast in many colours to assist in visual identification by production operator.
- Wired with ultra-flexible copper wire to completely eliminate cable breakage caused by repetitive bending.
- Strain relief using nylon covered aircraft cable to prevent any strain on internal wiring.
- Looms covered with a double layer of heavy-duty thick-filament DM Expando to minimize grazing and wear damage.
- Complete engraving of product name, product connector cavity numbers, etc.
- Full engineering and application support by our skilled staff, with extensive experience in electrical connection technologies.

## Specifications

Product name: Electrical Connector Test System  
 Models: ECT 1000  
 Type: Urethane Molded  
 Style: Custom

### Standard Product

Current: 0 - 35 Amps (35 - 250 Amps special)  
 Resistance: 25 - 50 m  $\Omega$  typical  
 Isolation: 200 Mega  $\Omega$  @ 5000 Volts

**Contact Force:** 50 - 350 grams typical, 0.1 - 1.0 kg special

**Available Colours:** Black, Red, Orange, Yellow, Green, Blue, Violet, Grey and White

**Available Mounting:** Handheld, table-mount, custom-mount

**Typical Delivery:** 2 - 3 weeks

## Options

- Automated air release, and air eject of mating product connector.
- Military quarter turn gold-contact connectors for fast reliable interchange.
- Terminal Push Out (TPO) detection
- High current and 4-wire Kelvin connections available
- Part presence sensing

Contact ATS directly for custom or product specific applications beyond the scope of this document.



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 September 2015