



Electrical Test Connectors

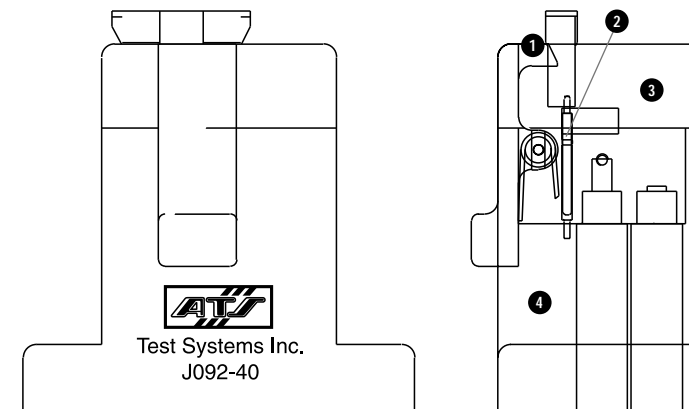


Electrical Test Connectors

ECT 1000

Description

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



1. Latch Mechanism
2. Spring Contact Probe
3. Connecting Head
4. Tablemount Base
5. Air Eject Cylinders

Features

- 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 colors 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.

Specification

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 mΩ typical
 Isolation: 200 MegaΩ @ 5000 Volts

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

Available Colors: 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 (TP0) detection
- High current and 4-wire Kelvin connections available
- Part presence sensing

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



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