

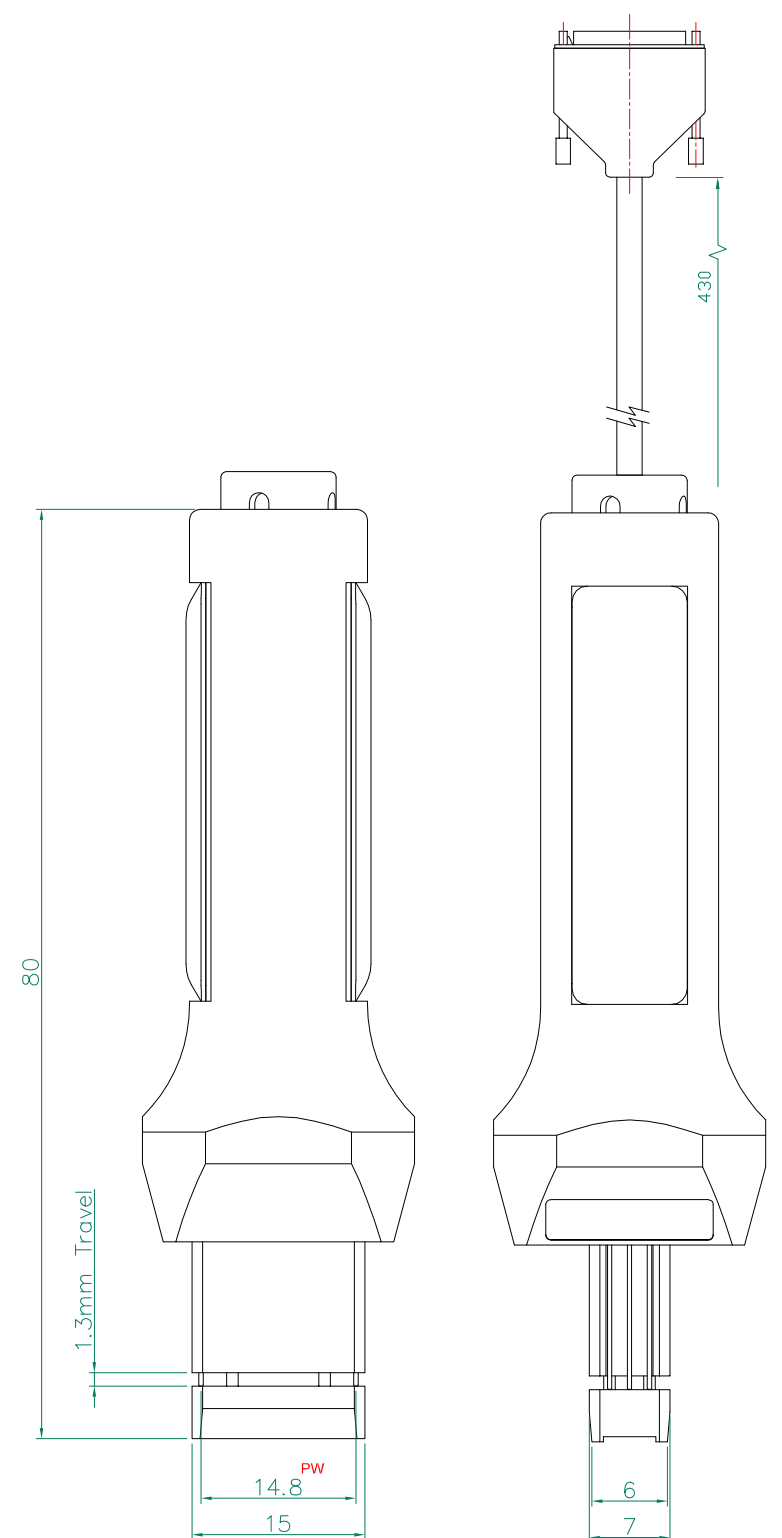
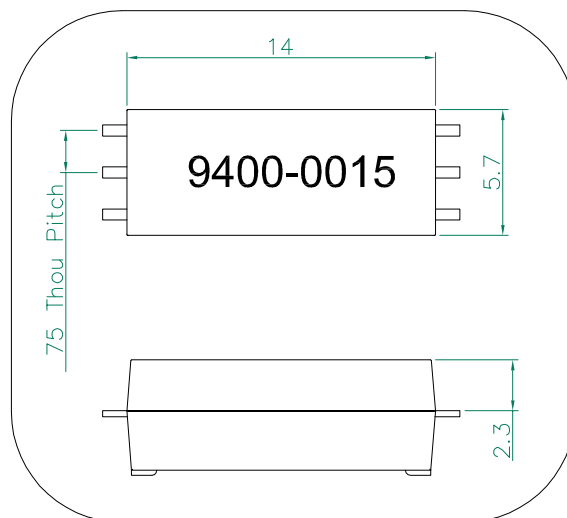
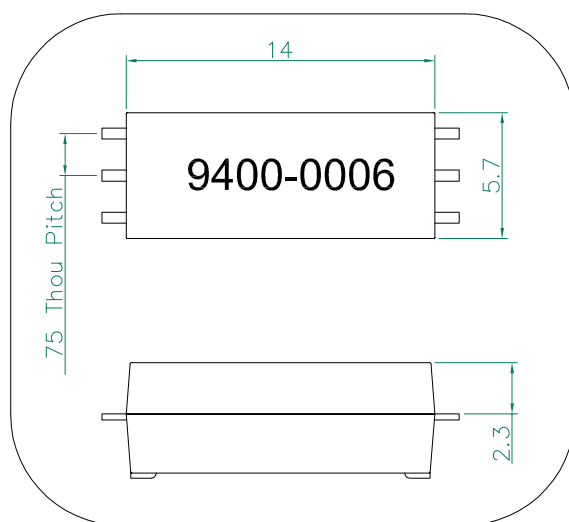
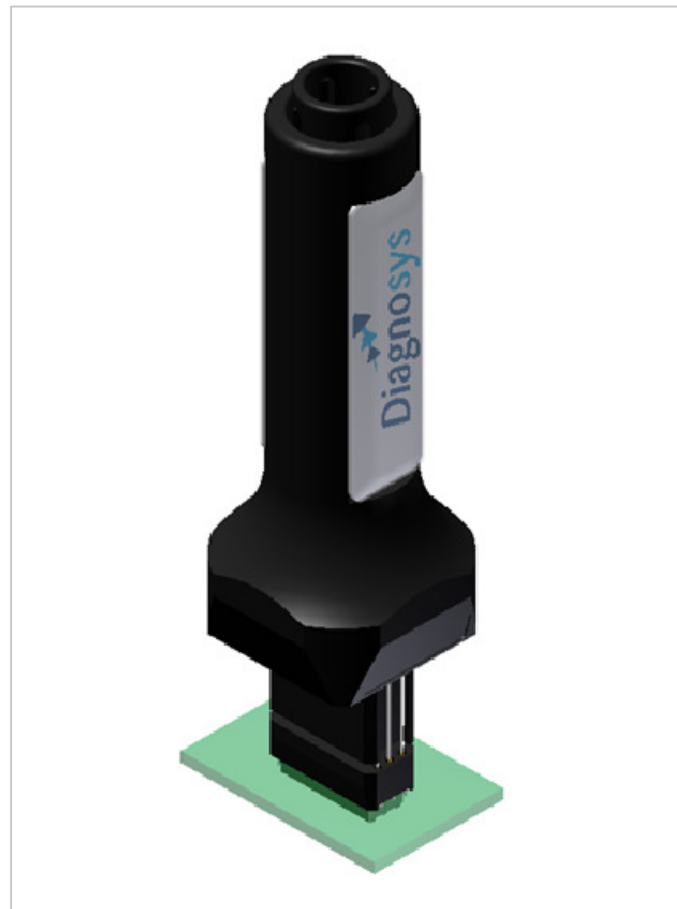
## Introduction

This Test Interface is a hand held test clip, designed to probe simultaneously the leads of an assembled COTO Relay. Terminated with a 25 way male "D" type connectors, the interface makes temporary electrical contact with the leads of the device, in a two step action:

- the interface is positioned over the device to be tested (Lining it up with the body of the device).
- by pushing the handle further, the high-performance microprobes will reach the leads of the device and make electrical contact.

## Features

- achieves the best combination of reliability, repeatability, serviceability and user-friendliness;
- high contact pressure at probe tip, for repeatable and reliable contact;
- high reliability and long life interchangeable microprobes;
- sweeping action gold plated contacts, for reliable contact and low ohmic resistance of interconnections;
- high current rating (for single channel, in ambient air with 70°F [20°C]) : 1.5A
- impact, solvent and temperature resistant plastics, with low friction;
- wide range of operating temperatures (commercial): [0°C to +70°C]
- clear markings on the clip body, to assist in orientation of the clip with reference to the device:
- packaged in a hard wearing, high resistance to damage Polypropylene case with foam insets, the Test Interface can withstand high impact in transit.
- Case can be used for safe storage when the test interface is not use, and subsequent transport.
- Very flexible cable (Military quality harnessing) with low friction, high performance TFE TEFLON Insulated wire (MIL-W-16878E Type E, UL1213);



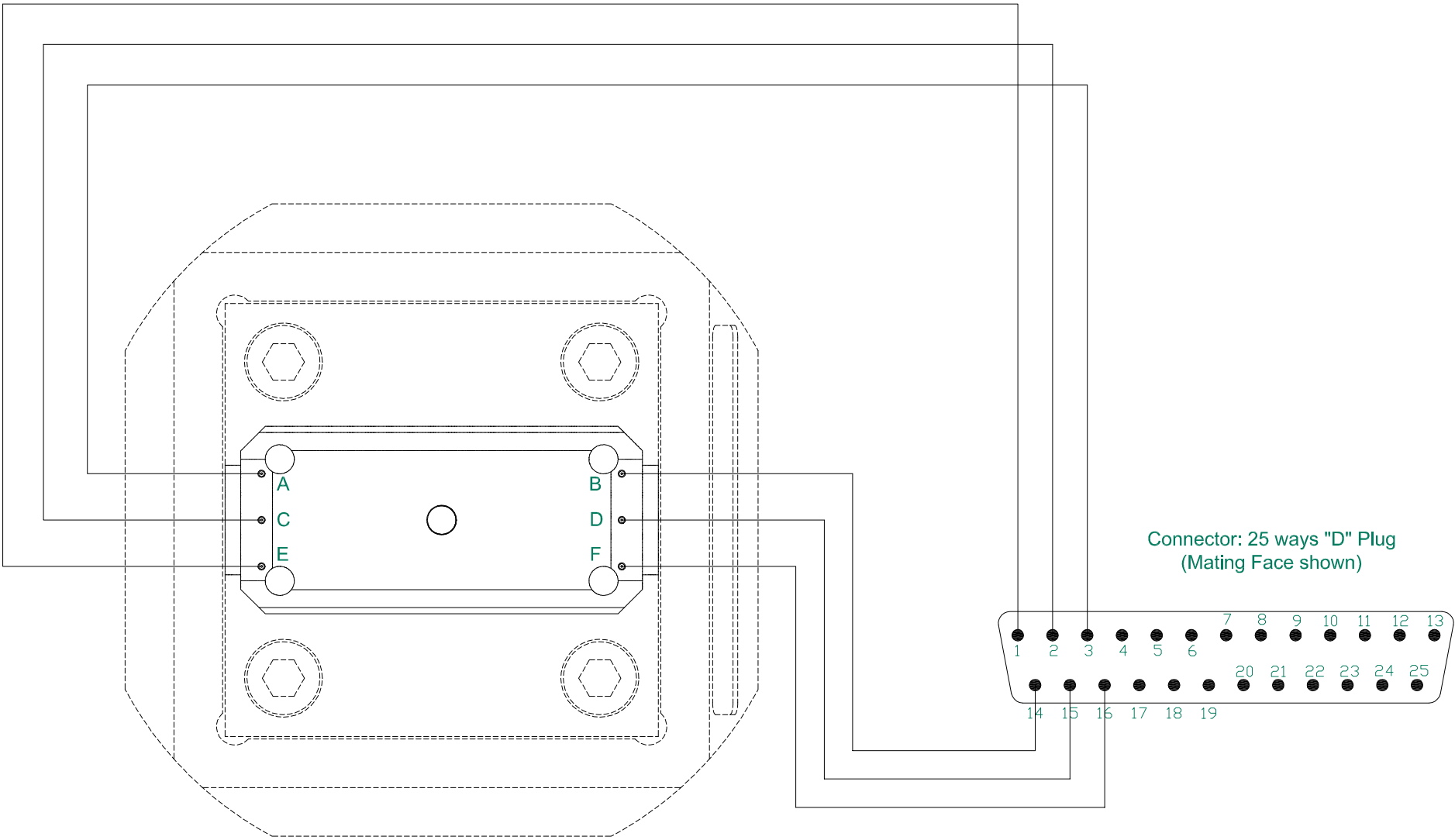
### Specification

- It will accommodate two types of 6 Pin, 75Thou COTO relays (Part Numbers 9400-0006 and 9400-0015);
- The lower part of the clip is shaped to allow the probing of relays even when positioned closely to one another (9400-0006 min spacing 0.9mm )
- Maximum number of interconnections (Channels): 6
- Current rating, With all contacts loaded (Maximum continuous current, non inductive): 0.5A / Channel;
- Contact resistance (average): 80 mΩ /channel;
- nsulation resistance: 5MΩ Min.
- Volume resistivity of plastic parts: 10<sup>15</sup> Ω-cm @ 50%RH.
- Fatigue life of probes: Min. 1,000,000 cycles at normal working distance;
- Working distance (normal stroke): 1.3mm;
- Microprobe force at point of contact (normal stroke): 0.3N

### Connections Table

Relay Pin	A	B	C	D	E	F
Connector Pin	3	14	2	15	1	16
Channel	5	2	3	4	1	6

Both Interface and D-Type Connector viewed from mating plane



Test Interface

### Maintenance

The Test Interface Head is maintenance free. The microprobes are self-cleaning. Immersion in water or contact between microprobes and any liquids should be avoided, as this could severely reduce the working life of microprobes.

Contamination is the primary cause of probe contact problems. This is generally caused by flux left as a residue on circuit boards. Other probe contaminants such as dust, fluff, oil and grime can also cause problems in other areas. Light brushing of the tips of the probes with nylon, bristle or soft metal brushes will dislodge most contaminants.