

# Model GS-850 Fixture System

*The CheckSum Model GS-850 is ideal for interfacing to cable or harness connectors, edge connectors and sockets.*



## Product Features

- Quick Initial Setup
- Long Life
- Prewired Adapter Boards
- Electrical Integrity

## Overview

The Model GS-850 Continuity and Cable Fixture System provides you with a reliable, efficient way to connect your unit being tested to CheckSum Test Electronics. The Model GS-850 is ideal for interfacing to cable or harness connectors, edge connectors, and sockets.

The Fixture accommodates two adapter boards via 120-pin zero-insertion force (ZIF) connectors that mate to gold fingers on the adapter boards. This allows the adapter boards to be easily changed and at the same time provides excellent long-term mechanical and electrical integrity.

The back panel accepts up to five 50-pin ribbon cables such as those used with CheckSum Test Systems. A back panel banana jack is provided to ground the Fixture to the computer via an included cable. A probe, also included, stacks onto the ground cable and can be used to identify test points.

Each adapter board is 5.75" by 6.75" and has access to 120 signals from the Model GS-850 back panel connectors. The adapters are constructed of .062"-thick fiberglass and are solder-masked on both sides for ease of installing connectors.

A series of adapters is available with industry-standard prewired footprints. Alternatively, a universal breadboard adapter can be used for custom mounting of other connectors. Each adapter board has a dual row of .035" through-holes connected to the edge connector that can be used to help accommodate custom wiring either directly or through installation of a standard header for wire wrapping.

As delivered, the Model GS-850 includes a Ground Cable, a Probe, and two Model AB-1 Universal Adapter Boards. This fixture is 14.75" W x 8.75" D x 3.75" H and weighs 4 lbs.

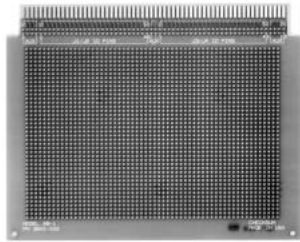
**FIXTURE  
SYSTEMS**

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## Model GS-850 Adapter Boards

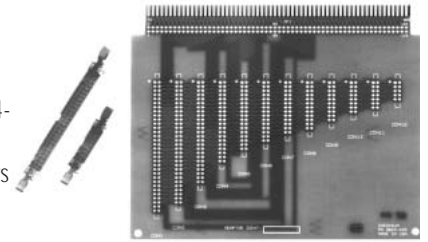
### Model AB-1 Universal Adapter Board

The Model AB-1 Universal Adapter can be used for your custom needs. It provides a matrix of 58-by-42 plated through-holes on a .1" grid. The hole diameters are .035".



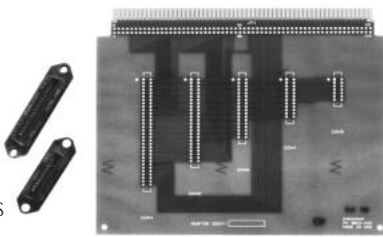
### Model AB-4 Ribbon Cable Adapter Board

The Model AB-4 Ribbon Cable Adapter accepts male or female 10-, 14-, 16-, 20-, 24-, 26-, 30-, 34-, 40-, 50-, 60-, and 64-circuit two-row connectors on .1" centers. The hole diameters are .035".



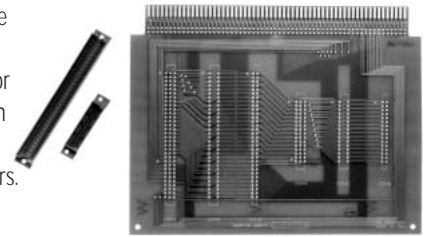
### Model AB-2 CHAMP-Type Adapter Board

The Model AB-2 CHAMP-Type Adapter accepts male or female 14-, 24-, 36-, 50-, and 64-pin connectors such as those used by printer and GPIB cables. The hole diameters are .035".



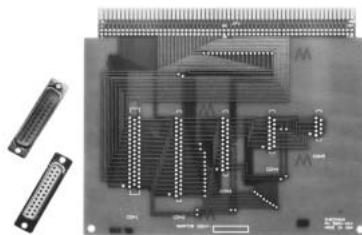
### Model AB-5 DIN-Type Adapter Board

The Model AB-5 DIN-Type Adapter accepts male or female 32-pin (rows AB or AC), 48-pin (ABC), 64-pin (AB or AC) and 96-pin (ABC) Eurotype connectors. The hole diameters are .035" with .1" spacing.



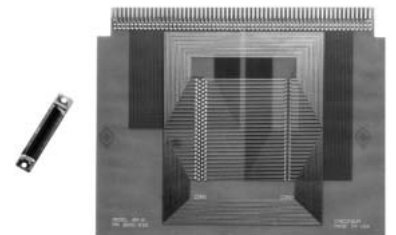
### Model AB-3 D-Sub Adapter Board

The Model AB-3 D-Sub Adapter accepts male or female DB-9, DB-15, DB-25, DB-37, and DB-50 connectors. The hole diameters are .035".



### Model AB-6 High-Density Adapter Board

The Model AB-6 High Density Adapter for connectors such as AMP System-50 and Amphenol 845 Series accepts two high-density footprints, with up to 100 circuits. The holes are .022" (two-row) and .035" (four-row).



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