

MAC-PANEL

SCOUT
EXPRESS

 **KEYSIGHT**
TECHNOLOGIES



High Performance System Interface

For Keysight TS-8989 Test System

What Is SCOUT EXPRESS?

SCOUT EXPRESS

The SCOUT family of system interfaces from MAC Panel have become synonymous globally for their contributions to system value and performance by removing the need for cabling between the instruments and the system interface.

The latest family member, SCOUT EXPRESS, has been designed to maximize the performance potential of the Keysight TS-8989 system while offering users unprecedented scalability through its highly configurable modular design.

A SCOUT EXPRESS Interface requires minimal system design and can be fully assembled and connected in just a few hours. Perhaps just as importantly, the interface can be fully reconfigured to suit different applications in less than an hour by simply removing and replacing the instruments and their DAK (Direct Access Kit) connection modules. This brings true system scalability to the factory floor as never seen before in ATE systems.

Benefits

The modular approach to SCOUT EXPRESS offers many advantages over traditional interfaces that rely on cable connections.

Configurable

- Available in both the PXI hybrid and full width SLU Versions of the TS-8989
- Only four DAK designs required to meet the entire Keysight TS-8989 SLU range
- Allows users to reconfigure a TS-8989 configuration in minutes to suit the needs of different applications
- The receiver and ITA connectors utilize industry COTS connectors for maximum availability and reduced costs

Reliable

- Optimum signal performance with minimal losses that provide uniform performance from instrument to instrument and from system to system
- No signal interference caused by cable crosstalk
- The rugged design and high cycle life of the SCOUT EXPRESS ensures long term system reliability

Reduced Total Cost Of Test

In addition to a significant improvement to signal performance and stability, utilizing SCOUT EXPRESS offers tangible cost advantages over using cable connected interfaces.

Design Cost

The modular design of the SCOUT EXPRESS interface allows for a "building block" design approach using CAD models provided by MAC Panel. This represents a minimum saving of 50% on engineering time compared to standard custom system designs.

Build Cost

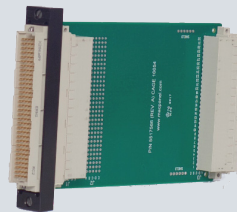
A typical SCOUT EXPRESS interface can be assembled and fully connected in less than two hours. This is a saving of days or even weeks of build time when comparing to a traditional cable connected

Maintenance Cost

System up time on the factory floor is always critical. With a SCOUT EXPRESS interface system downtime is kept to an absolute minimum in case an instrument needs to be replaced. A TS-8989 SLU instrument can be disconnected, removed, replaced, and reconnected in a few minutes; keeping downtime to an absolute minimum. Additionally, as no other element of the system is impacted by rectification work, since there are no cables to disturb, the system can be brought back online with minimal recertification.

Direct Access Kits (DAKs)

SCOUT Express mass interconnect uses Direct Access Kit (DAK) technology which allows for the shortest possible signal-path between the DUT and the TS-8989. This is achieved by utilizing printed circuit boards, flex circuit boards, or short, length matched, cables, which are all self contained in the DAK shell.



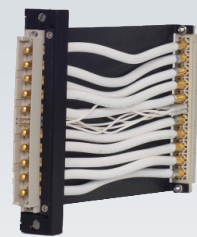
DAK 563588
96-160 DIN connector.
For Keysight instruments:
E8792A, E8793A, N9379A

DAK 563587
Matched cable length,
48 position DIN connector.
For Keysight instruments:
E6175A, E6176A, N9377A
E6177A, N9378A, U7177A,
U7179A



DAK 563584
Shielded, matched
trace length PCB, 160
position connector. For
Keysight instruments:
E8782A, E8783A

DAK 563586
Short wired, matched
cable length, 10
position, heavy duty
DIN connector.
For Keysight
instruments: E6178B,





MAC Panel Company

551 West Fairfield Rd. High Point, NC

27263 USA

Tel: +1 336 861 3100

Fax: +1 336 861 6280

Email: sales@macpanel.com