# 9807 Card Extender

The Tellabs 9807 Card Extender provides a convenient means of testing and aligning a Tellabs Type 16 (6900 and 4900 series) printed circuit module while that module is functioning at its designated point of installation. Facility-side jacks provide isolated module or monitor access in both transmit and receive channels. Terminal-side jacks provide isolated module or monitor access for modules with either 4wire or 2wire terminal-side configuration. Additional jacks are provided to access E and M leads and A and B leads.

The 9807 also provides internal jack access to 6900 SF Signaling and Terminating modules. Access is provided in both transmit and receive channels between the SF signaling section of the module and the pads, as well as between the pads and the terminal section of the module. Test points to access battery, ground and common oscillator, plus a ground-start button that allows a momentary ground to be applied to the ring side of the line to facilitate testing of the modules serving in ground-start applications, are also provided on the 9807. Jack designations and their functional descriptions are listed below.



**XMT LINE MON**
transmit line monitor jack

**XMT SF OUT**
opening jack — accesses SF signaling section's output (xmt line port)

**XMT SF IN**
opening jack — accesses SF signaling section's input

**XMT PAD OUT**
opening jack — accesses attenuator section's output

**A & B FACILITY (line)**
opening jack — accesses module's A & B leads

**A & B TERMINAL (drop)**
opening jack — accesses term set's A & B leads

**XMT PAD IN**
opening jack — accesses attenuator section's input

**TERM OUT**
opening jack — accesses terminating set's xmt output port

**GND START**
ground start switch

**4W XMT DROP or 2W IN**
opening jack — accesses module's 4W xmt port (4W units) or 2W port (2W units)

**BATT**
battery test point

**4W XMT DROP or 2W MON**
transmit drop monitor jack (across 4W xmt port or 2W port)

**RCV LINE MON**
receive line monitor jack

**RCV SF IN**
opening jack — accesses SF signaling section's input (rcv line port)

**RCV SF OUT**
opening jack — accesses SF signaling section's rcv output

**RCV PAD IN**
opening jack — accesses attenuator section's input

**E & M FACILITY (line)**
opening jack — accesses module's E & M leads

**E & M TERMINAL (drop)**
opening jack — accesses E & M leads toward switch or trunk

**RCV PAD OUT**
opening jack — accesses attenuator section's output

**TERM IN**
opening jack — accesses input to term set or 4W repeat coil

**COMMON OSC**
common oscillator test point

**4W RCV DROP or BAL NET OUT**
opening jack — accesses either 4W rcv output port (4W units) or balance network port (2W units)

**GND**
ground test point

**4W RCV DROP or BAL NET MON**
receive drop monitor jack (across 4W RCV drop port)

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facility (line)
xmt · rcv
mon · mon
out · in
SF
in · out
facility (line) · out · in · facility (line)
A and B · pads · E and M (E=T) (M=R)
terminal (drop) · in · out · terminal (drop)
out · in
termination
gnd start · in · out · common osc
batt · mon · mon · gnd
4W xmt or 2W · 4W rcv or bal net
terminal (drop)

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