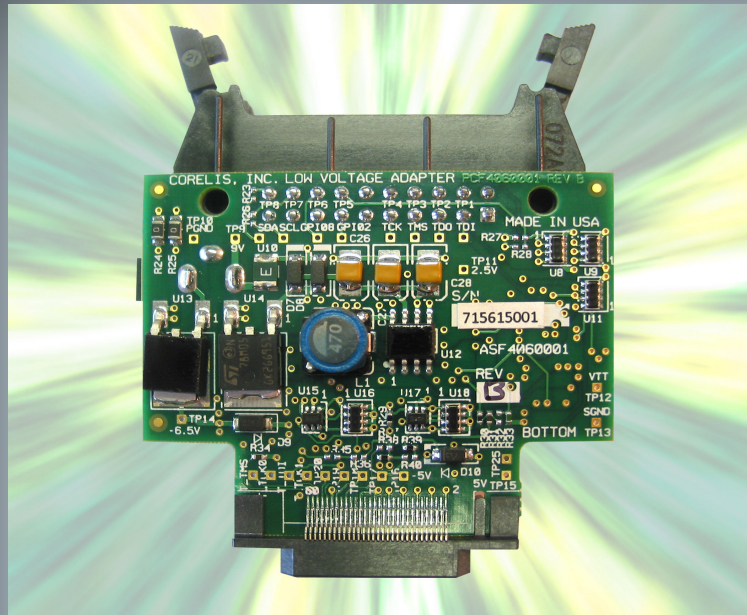


# Low Voltage Adapter

**CORELIS**  
An *EWA* Company

## TAP Adapter for Corelis JTAG Controllers

Preferred Boundary-Scan Solutions—Acclaimed Technical Support



### Features

- Converts JTAG signal levels between a TTL scan controller and a low voltage Unit Under Test (UUT).
- Supports clock speeds up to 100 MHz.
- Automatically detects and matches UUT reference voltage levels between 0.4V and 2.5V based on UUT connector pin.
- Capable of driving output signals up to 90 mA, readily accommodating 50 ohm loads.
- Scan controller connector mates with any Corelis scan controller supporting a standard 20 pin Test Access Port (TAP) cable.
- UUT connector mates with a 60 pin BSH 50 mm socket (Samtec BSH-030-01 or equivalent).
- Supports Intel XDP, XDP-Sinned, and ITP700Flex connectors.
- 9VDC (500 mA) power supply provided.
- ESD protection on all pins.
- Compact bare PCB form-factor.

### Applications

- **Low Voltage UUTs** - Interface with low voltage JTAG systems, without the need for additional circuitry built into the PCB.
- **Intel Extended Debug Ports (XDP)** - Directly connect to UUTs utilizing Intel's XDP small form factor connector.

High technology, energy efficient, and small form factor products push JTAG interfaces to the limits; low power and high performance means low voltage, high speed, and high drive requirements. Building specialized interface circuits on product Printed Circuit Boards (PCBs) is inconvenient and costly—an out-of-the-box, external solution is needed.

The Corelis Low Voltage adapter is an add-on accessory that provides existing scan controllers with an active, plug-in interface to access low voltage scan chains, without sacrificing performance.

### Benefits

- Adapter enables connection of any Corelis controller with 20 pin TAPs to a low voltage UUT. Voltages are automatically configured to match the UUT reference voltage.
- The convenient, compact bare PCB module connects directly to standard 60 pin BSH sockets, eliminating the need for extra external cabling.
- No additional software required—the Low Voltage Adapter is fully compatible with the ScanExpress family of boundary-scan and JTAG Embedded Test (JET) software products.

### Ordering Information

Part Number—10402

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