

JT 2149 TAP Pod

20-way TAP connector



- ✓ **40 MHz TCK max**
- ✓ **1 TAP**
- ✓ **Standard TAP Pod**
- ✓ **Desktop, plugs into JT 2148 QuadPod transceiver**

The JT 2149 'TAP Pod' is a standard component of the the JT 2147 QuadPod shipped with all* JT 37x7/xx controllers. In its basic format the JT 2149 supplies all the TAP signals (TDI, TDO, TMS, TCK, TRST) plus additional controls for AutoWrite, VPP_enable and a flash Read/Busy line monitor (input). Furthermore two user specific outputs (User0 and User1) are available for custom operations. All of these 'dynamic' signals (10 in total) along with nine signal grounds and a 5V adapter supply are available through the unit's 20-way 0.1" IDC Connector.

In addition to the dynamic signals the unit also provides four 'static' IOs that can be used to monitor switch closures or provide relay control for example. These four along with four signal grounds are accessed via an 8-way SIL IDC connector. On the front edge of the TAP Pod an alternative 0.05" 26-way connector also provides all the dynamic signals and static IO along with 11 signal grounds and 5V.

** Except JT 37x7/RMIc-DIO-0/64 and /RMIc-RMI-0/128/256 which feature a built-in signal conditioning module*

To help in maintenance costs, and also to simplify and lower the costs of fixtures that include JTAG interfaces, the JT 2149 is available to buy separately from the complete QuadPod. In this way users can include just the number of TAP interfaces they require within their fixture or test jig and connect back to the main JT 2148 transceiver using one meter JT 2131/47 connection cables. If an individual JT 2149 fails in service then the ability to replace just the faulty item reduces repair costs and time.

Special functions, analog and frequency

Alternative function JT 2149s are also available (see also individual data for full details):

- **JT 2149/DAF** that allows Digital, Analog and Frequency measure capabilities
- **JT 2149/MPV-001** standard size that also includes 32 channels of DIOS – JTAG synchronized DIO
- **JT 2149/eMPV-001** extended module also includes 32 channels of DIOS – JTAG synchronized DIO – with all signals available from 0.1" connectors.

In addition there exists a further range of standard –sized JT 2149/MPV-0xx SCIL (scan configured interface logic) modules that provide support for other bus interfaces such as NXP/Freescale's BDM or MicroChip ICSP, etc.

- JT 2149/MPV – 011 – interface for Renesas SH7000
- JT 2149 MPV – 017 – interface HC08, HCS08 HCS12
- JT 2149/MPV – 018 – interface to MPC500 BDM
- JT 2149/MPV – 019 – interface for ARM SWD
- JT 2149/MPV – 025 – interface to Coldfire BDM

Global Representation

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