

JT 2147 QuadPod

JT 2148 transceiver with four independent, programmable JT 2149 TAP PODs



- ✓ 40 MHz TCK max
- ✓ 4 TAPs, programmable voltages
- ✓ Detachable Pods
- ✓ Desktop

The JT 2147 'QuadPod' is the standard supplied equipment with all* JT 37x7/xx controllers and comprises a single JT 2148 transceiver module plus four removable JT 2149 TAP pods as standard.

Each JT 2149 features a 20-way TAP connector that also includes ports for flash memory AutoWrite, Ready/Busy and other application specific signals. A further eight pin connector provides four static IO lines per pod – suitable for PSU switching or device mode selection (eg EMU/JTAG). JT 2149s can also be remotely sited using an optional one-meter extender cable without affecting the performance of the system.

Two variants of the pod with alternative JT 2148 transceivers can be supplied and must be specified at the time to ordering.

1. **JT 2148/10** – Desktop format is supplied with full enclosure and rear connector of type 50-way SCSI-II format.
2. **JT 2148/13** – Open-frame format supplied without enclosure and dual rear connectors of type 26-way 0.1" IDC. This unit is also supplied with a special SCSI-II 'splitter' PCB which connects to the transceiver using custom flat cables – this in turn facilitates connection of the JT 2148 to the controller via a fixture 'bulkhead'.

Special functions, analog and frequency

Individual JT 2149s can be replaced with alternative function units that include:

- **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

The standard QuadPod measures (w-d-h): 190 x 127 x 24 mm and weighs 350 grams.

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

** Digital I/O Scan - allows UUT tests to be enhanced with synchronized I/O that can connect to connectors or test points on your UUT.

Global Representation

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