

JT 2149/MPV eMPV TAP Pods

32 channel multi purpose DIOS/TAP pod modules/interfaces



- ✓ **40 MHz TCK max**
- ✓ **1 TAP**
- ✓ **32 digital I/O Channels**
- ✓ **Desktop, plugs into JT 2148 QuadPod transceiver**

The JT 2149/MPV is a TAP Pod option for the JT 2147 QuadPod that also includes 32 channels of 'DIOS' digital IO. Up to four JT 2149/MPVs can be housed in the QuadPod transceiver in place of the standard item giving a total of up to 128 channels. The JT 2149/MPV includes all the same signals as the standard JT 2149 but in addition offers 2 x 16 channel DIOS blocks via 2 x 20-way 0.1" IDC connectors.

With the JT 2149/MPV the regular JT 2149 signals, including the TAP signals, additional controls for AutoWrite, VPP_enable, a flash Read/Busy line monitor (input) and two user specific outputs (User0 and User1) plus the static IOs are now exclusively accessed by a front-placed 0.05" 26-way connector.

To use the DIOS channels an additional board/test adapter netlist and model data describing the operation of the DIOS blocks is imported into your ProVision Project. Test connections can then be built up using ProVision's drag 'n' drop board connections editor.

The JT 2149/MPV and JT 2149/eMPV clip directly into the QuadPod transceiver (JT 2148) in place of a regular JT 2149 or may be connected remotely using an optional one meter JT 2131/47 connection cable. If an individual JT 2149/MPV or eMPV fails in service then the ability to replace just the faulty item reduces repair costs and time.

JT 2149/eMPV version

To ease connection to TAP signals and DIOS channels an extended version of the JT 2149/MPV has been developed and is known as the /eMPV variant.

This unit is built into an extended enclosure that now includes 0.1" IDC connectors for both DIOS blocks, and the TAP signals and also a standard 8-way SIL IDC connector for the static IO lines. The /eMPV variant no longer offers the front access 0.05" combined connector however.

Finally a further range of standard –sized JT 2149/MPV-0xx SCIL (scan configured interface logic) modules are offered 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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