

Aurora 22 COP/JTAG Adapter ☆

Overview Buy / Specifications

The Nexus and Power.org standards allow for a 22 pin connector to be installed on embedded systems boards which have all the necessary trace and JTAG debug signals. Many people might not be aware that you can utilize the JTAG signals without utilizing any of the trace to perform standard stop mode debugging which most JTAG debugging systems utilize.

This adapter plugs directly into the 22 pin connector (Samtec ASP-137969-01) and then breaks out the JTAG signals into the standard Freescale 16 pin JTAG COP debugger connection utilized by QorIQ, PQII, PQIII, and PQII Pro product lines. Practically though, you would only have the 22 pin connector on boards utilizing Freescale processors that have Nexus trace capability – such as the Freescale QorIQ product lines.

Typically, trace is used at a later advanced stage of a project where the problems are very difficult. By installing the 22 pin connector on the board you can make your board “trace-ready” and then utilizing this adapter you can use a lower cost JTAG probe, such as the USB TAP for JTAG debugging from Freescale, for most of the project, perhaps even avoiding purchasing a trace probe altogether – saving several thousand dollars.

[Get more information about the Nexus connectors](#)

Related Software and Tools

- USBTAP: USB TAP for JTAG/COP Power Architecture®
- CW_GIGABITTAP_PA: Gigabit TAP Probe TIP for JTAG Power Architecture
- CW_GIGABITTAP_TRACE: Gigabit TAP with Trace




Supported Devices

- P3041: QorIQ P3041 Quad-Core Communications Processors with Data Path
- P4 Family: Up to 1.5 GHz, 30W Max
- P5020: QorIQ P5020/10 64-bit Single- and Dual-Core Communications Processors

Featured Software

 **Mentor Graphics EDGE software**
Mentor Graphics delivers industry leading embedded software

Featured Video

 **Understanding Gigabit TAP**
(03:47 min)

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Products	Documentation	Software and Tools	Reference Designs
P4080: QorIQ P4080 Eight-Core ...	CodeWarrior™ USB TAP Ru...	USB TAP for JTAG/COP Pow er Arc...	P2041 QorIQ Reference Des...
P3041: QorIQ P3041 Quad-Core C...	CodeWarrior™ USB TAP - ...	Gigabit TAP Probe BASE Unit...	
P5020: QorIQ P5020/10 64-bit S...	Gigabit TAP - Fact Sheet	Gigabit TAP Probe TIP for JTAG...	

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