General Description
The PEB 2096, OCAT-P, performs the layer-1 functions of the ISDN basic access for eight U_{PN} interfaces at the LT side of the PBX.

Applications
PBXs
8 × U_{PN} interfaces

Interfaces
• IOM-2 interface
• 8 × U_{PN} interface
• Boundary scan (for on-board tests)

Features
• Eight full duplex 2B+D U_{PN}-interface transceivers, each equipped with the following functions:
  - Conversion from/to binary to/from pseudo-ternary code
  - Receive timing recovery
  - Activation/deactivation procedures, triggered by primitives received over the IOM interface or by INFO received from the line (e.g. detection of INFO1)
  - Execution of test loops
  - Analog line transceiver for up to 16-dB line attenuation
  - U_{PN}-interface functions compatible to PEB 2095, IBC, and PEB 20950, ISAC-P (except for looplength)
  - U_{PN} interface fully compatible to PSB 2196, ISAC-P TE, and PSB 2197, SmartLink-P
• IOM-2 interface
• Support for JTAG-boundary scan test
• 1-μ CMOS technology with low power consumption
• P-MQFP-44 package

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<th>Type</th>
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<td>PEB 2096</td>
<td>P-MQFP-44-1 (SMD)</td>
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JTAG Boundary Scan Interface

OCTAT®-P Device Architecture