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Conexant RS56-PCI (SoftK56)

Chipset data:

Manufacturer

Conexant Systems, Inc. formerly Rockwell Semiconductor Systems, datasheet

Applications

PCI bus soft (HSF) modem

Identifiers

PCI vendor ID: 127A, PCI device ID: 2013 ; data/fax
PCI vendor ID: 127A, PCI device ID: 2014 ; data/fax/voice
PCI vendor ID: 127A, PCI device ID: 2015 ; data/fax/voice/speakerphone
NOTE: PCI vendor ID: 127A, PCI device ID: 1025 may be either HCF or HSF

Linux support

2003-09-08: The beta program for the Rockwell/Conexant HSF modem driver is over.
The proprietary driver may be purchased from Linuxant. Old, no-cost beta versions
of the driver will not be supported or distributed by Linuxant.
Read their FAQ.

Conexant has a Beta program for HSF modems.
The beta drivers are more current than the official driver.

2002-02-06: The official Conexant driver is now available here.

Components

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The SoftK56 modem family is available in three forms:

1. A single 144-pin thin quad flat pack (TQFP) that combines the PCI Bus
   Interface (BIF) and Line/Voice Codec (LVC). This is the lowest
   cost device option. This device set supports data/fax with optional
   TAM and speakerphone/DSVD.  (MonoPak HSF)
2. A 2-device set plug-compatible with Conexant's RC56HCF-PCI
   host-controlled modem family. The two devices are the PCI Bus
   Interface in 176-pin TQFP and LVC in 144-pin TQFP. This device set
   supports data/fax with optional speakerphone/DSVD/TAM.
3. A 2-device set with a Line Codec (LC) in the smallest device
   footprint. The two devices are the PCI Bus Interface in 176-pin TQFP
   and LC in 32-pin TQFP. This device set supports data/fax with
   optional TAM only.
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11235-14                PCI Bus Interface     176-pin TQFP
20437-11                Line Codec             32-pin TQFP
20410-14                Line Voice Codec      144-pin TQFP
R6793-11 RS56/SP-PCI    combined BIF and LVC  144-pin TQFP
R6793-12 RS56-PCI       combined BIF and LC   144-pin TQFP
R6793-15 RS56-PCI       combined BIF and LC   144-pin TQFP
R6793-17 RS56/SP-PCI    combined BIF and LVC  144-pin TQFP
R6793-21 RS56/SP-PCI11P1
R6794-11 RS56L/SP-PCI   combined BIF and LVC  144-pin TQFP
R6794-14 RS56L-PCI      combined BIF and LC   144-pin TQFP

Single device models
RS56-PCI     = R6793-12 (data/fax)
RS56-PCI     = R6793-15 (data/fax)
RS56-PCI     = R6793-12 (data/fax/voice)
RS56-PCI     = R6793-15 (data/fax/voice)
RS56L-PCI    = R6794-14 (data/fax/voice/TAM/cellular)
RS56/SP-PCI  = R6793-11 (data/fax/voice/FDSP)
RS56/SP-PCI  = R6793-17 (data/fax/voice/FDSP)
RS56L/SP-PCI = R6794-11 (data/fax/voice/TAM/cellular/FDSP)

Two device models, RC56HCF-PCI pin compatible
RS56-PCI    = 11235-14 + 20437-11 (data/fax)
RS56-PCI    = 11235-14 + 20437-11 (data/fax/voice)
RS56/SP-PCI = 11235-14 + 20410-14 (data/fax/voice/FDSP)
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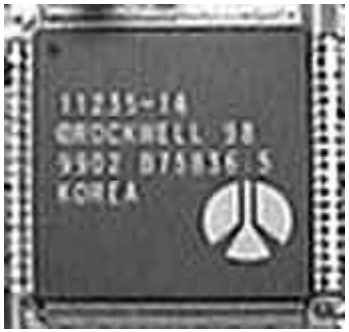
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Typical application





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