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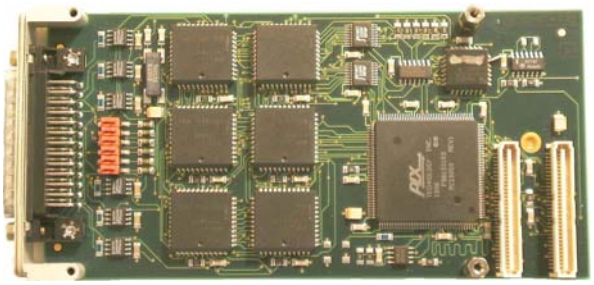
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Find the *Tews Technologies TPMC901-10* at our website: ***Click HERE***

TPMC901 6/4/2 Independent Channels Extended CAN Bus

Application Information

The TPMC901 is a PCI Mezzanine Card (PMC) compatible module. The TPMC901-10 provides six complete CAN bus interfaces using six Intel 82527 CAN controller. Additionally to the standard data and remote frame, all channels support the extended data and remote frame according to the CAN specification 2.0 part A and B (standard 11 bit identifier and extended 29 bit identifier). All channels have the capability to transmit, receive and perform message filtering on extended and standard messages.



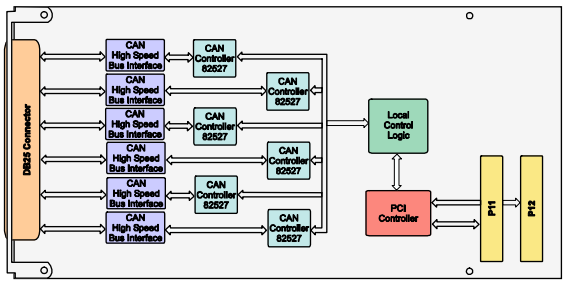
Each channel supports CAN High Speed according to ISO11898 as the physical interface. The bus line termination is selectable by a jumper separate for each bus line pair. The data transfer rates of up to 1 Mbps are supported for a bus line length of 40 m. The TPMC901-11 supports only four CAN bus channels and the TPMC901-12 has two CAN bus channels.

For First Time Users the Engineering Documentation TPMC901-ED is recommended. The Engineering Documentation includes TPMC901-DOC, schematics and data sheets.

Driver support (TPMC901-SW-xx) for different operating systems is available.

Technical Information

- Standard single-width 32 bit PMC module conforming to IEEE P1386.1
- PCI 2.1 compliant interface
- Board size: 149 mm x 74 mm
- CAN bus interface based on Intel 82527 chip
- Support CAN specification 2.0 part A and B (standard and extended data frames)
- Programmable global mask
- 15 message objects of 8 byte data length
- Powerful error handling
- Programmable transfer rates
- Physical interface CAN High Speed (according to ISO 11 898) per channel
- Maximum transfer rate 1 Mbit/s (bus length up to 40 m)



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Order Information

TPMC901-10	6 Independent CAN Bus Channels
TPMC901-10R	RoHS compliant version of TPMC901-10
TPMC901-11	4 Independent CAN Bus Channels
TPMC901-11R	RoHS compliant version of TPMC901-11
TPMC901-12	2 Independent CAN Bus Channels
TPMC901-12R	RoHS compliant version of TPMC901-12

TPMC901-DOC	User Manual
TPMC901-ED	Engineering Documentation, includes TPMC901-DOC
TA302-10R	Cable Kit for modules with DB25 male connector (RoHS compliant)
TDRV011-SW-42	VxWorks Software Support
TDRV011-SW-65	Windows XP/XPE/2000 Software Support
TDRV011-SW-72	LynxOS Software Support
TDRV011-SW-82	LiNUX Software Support
TDRV011-SW-95	QNX 6 Software Support F

For other operating systems please contact TEWS.

TEWS TECHNOLOGIES GmbH keeps the right to change technical specification without further notice. 05/2007

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