

PEX-H485940P PCI Express Interface Module CAN FD

Base Specifications

Model type	PEX-H485940P
Bus Requirements	PCI Express™ Base Specification Rev. 1.0a x1
Number of slots	1 slot
Memory Size	4KB×4
Data transfer method	I/O transfer (memory mapped I/O), DMA transfer
Dimensions	165.00 (D) x 106.65 (H) [mm]
Weight	110g
Power Consumption	+3.3 Vdc (+/-9%): 0.45A (typ.) +12 Vdc (+/-8%): 0.1A (typ.)
Environmental conditions	Operating temperature: 0 deg C to 50 deg C Relative humidity: 20% to 90% (non-condensing)
Connectors	CN1: 25-pin D-sub male connector
On-board connector	17LE-23250-27(D4AB) (DDK Ltd.) or equivalent (screw size: M2.6)
Acceptable cable connector	17JE-13250-02(D1) (DDK Ltd.) or equivalent
Isolation	Individual channel isolation
Interrupt sources	CAN controller interrupt, error status interrupt, transmit/receive message interrupt

CAN / CAN FD Specifications

Model type	PEX-H485940P
Communication Mode	CAN 2.0B / CAN FD (active) High-speed CAN: ISO11898-2 compliant
Transfer rates*	CAN FD: 5Mbps (max.) High-speed CAN: 60kbps to 1Mbps
Number of Channels	High-speed CAN: 4 channels
Maximum cable length	CAN FD: 40 m at 5Mbps High-speed CAN: 40 m at 1Mbps
Termination Resistor	Connected/unconnected (DIP switch selectable)
CAN Transceiver	High-speed CAN:TCAN1042HGV(T.I.)(or equivalent), ISO11898-2 complaint
CAN controller system clock	40 MHz
Transmit / receive buffer memory	Transmit: 64-message FIFO Cyclic transmission message buffer ×12 / channel Receive: 64-message FIFO (with receive timing of 10 μs) Error status: 64 (bus error, arbitration lost etc.)
Number of connection devices	High-speed CAN: 30 (max.)

Note: * An actual transfer rate depends on your computer, software, and connection devices.



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