

# PCI-2994CV PCI Interface Modules Digital I/O

## Base Specifications

Model type	<b>PCI-2994CV</b>
Bus requirements	PCI local bus (Rev. 2.1 or later), 32 bits, 33 MHz 5 V and 3.3 V signaling environment
Number of slots	1 slot
Number of I/O ports	16 ports
Data transfer method	I/O transfer (I/O mapped I/O)
Dimensions	174.63 (D) x 106.68 (H) [mm]
Weight	160 g
Power consumption	+5.0 Vdc (+/- 5%)
All input/output and control signals inactive	0.2 A (typ.)
All input/output and control signals active	1.5 A (typ.)
Environmental conditions	Operating temperature: 0 deg C to 50 deg C Relative humidity: 20% to 90% (non-condensing)
Connectors	CN1: 96-pin half-pitch male connector
On-board connector	PCR-E96LMDC-ST+ (Honda Tsusin Kogyo Co., Ltd) or equivalent
Acceptable cable connector	PCR-E96DSFA+ (Honda Tsusin Kogyo Co., Ltd) or equivalent
Isolation	Photo-isolated (On-board isolated power supply)
Interrupt sources	6 sources
MTBF	154,351 hrs.
Signal Transmission	Approx. 50 meters (varies on wiring conditions)
External Signals	PULS.OUT1, PULS.OUT2 (Digital output) x 2 IR.IN1, IR.IN2 (Digital Input) x 2 RSTOUT/P.OUT (rest signal output or power supply status signal) x 1 RSTIN (external reset input signal) x 1

## Digital Input Specifications

Model type	<b>PCI-2994CV</b>
Input signals	IN1 to IN64
Input configurations	Photo-isolated high-voltage input (source type)
Input signal voltage range	+5 Vdc to +48 Vdc (+50 Vdc (max.))
Input current	4.7 mA
Input response time	60 $\mu$ s (typ.)
Input control signals	STB1: Input-Data Strobe Signal (in) x 1 ACK1: Input-Data Acknowledgement Signal (out) x 1

## Digital Output Specifications

Model type	<b>PCI-2994CV</b>
Output signals	OUT1 to OUT64
Output configurations	High-current drive open-collector output (sink type)
Output signal voltage range	+5 Vdc to +48 Vdc (+50 Vdc (max.))
Output current	100 mA
Output response time	65 $\mu$ s (typ.)
Output control signals	STB2: Output-Data Strobe Signal (out) x 1 ACK2: Output-Data Acknowledgement Signal (in) x 1



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