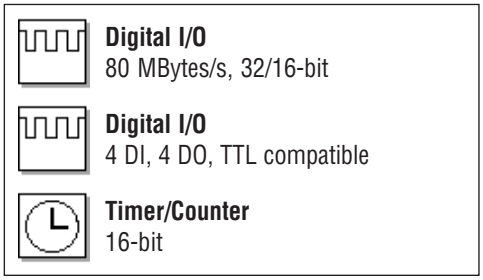
PCI-7300A



Digital I/O
80 MBytes/s, 32/16-bit

Digital I/O
4 DI, 4 DO, TTL compatible

Timer/Counter
16-bit

80 MB/s Ultra-high speed DIO with Digital I/O, Auxilary Digital I/O and Counter

Digital I/O (DIO)

Channels
Number of channels
32
Device
IDT 74FCT373
I/O configurations
16 DI & 16 DO
32 DO
32 DI

I/O signal characteristics
Terminator off -> TTL compatible
Low: +0.5V @ +/- 20mA
High: +2.7V @ +/- 1 mA(max)
Terminator on : resistance 110 Ω, voltage 2.9 V
Low: +0.5V @ +/- 22.4 mA
High: +2.7V @ +/- 1 mA(max)

Data transfers
Bus master DMA with Scatter / Gather

Data transfer bus width
32/16/8 bits (programmable)

Max transfer rate:
DO : 80M Bytes/s,
32-bit pattern generator @ 20MHz
DI : 160 M Bytes/s,
32-bit input @ max 20MHz

Auxiliary Digital I/O

Number of channels
4 DI, 4 DO, TTL compatible

Passive terminators for 4 DIN
220Ω pull high, 330Ω pull low)

Data transfer mode
PIO

Programmable Timer

Device
82C54-10

Digital input pacer
20 MHz, 10 MHz or clock output of Timer #0

Digital output pacer
20 MHz, 10 MHz or clock output of Timer #1

General purpose timer
output of Timer #2

Physical / Environmental

Connector
100-pin SCSI-II

Operating Temperature
0 ~ 60°C

Storage Temperature
-20 ~ 90°C

Humidity
5~90%, non-condensing

Power consumption
+5V @ 830 mA maximum

Dimensions
179 mm x 102 mm

Termination Boards

DIN-50S : DIN Rail Screw Termination Board

DIN-100S : DIN Rail Screw Termination Board

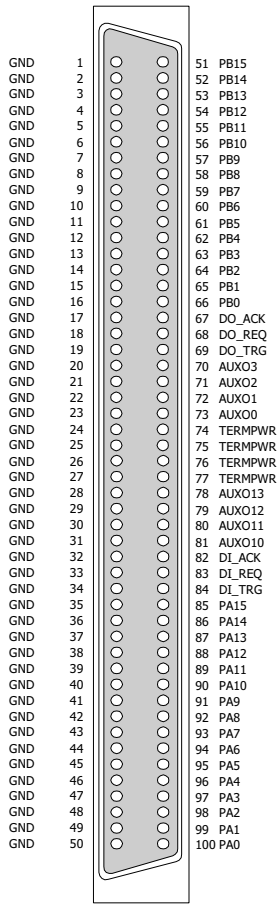
Ordering Information

PCI-7300A
80MB/S Ultra-high speed DIO card

PCI-7300A/D
PCI-7300A with DIN-100S

Note : the above products are shipped with software development kit for DOS/WIn-95/98/NT/2000, PCIS-LVIEW and PCIS-VEE.)

Pin Assignment



Year 2000 Compliant