P1

1
14
2   +5V
15
3
16
4   PB0   CS_
17
5
18
6   PB1   CLK
19   GND
7
20
8   PB2   D
21
9
22
10
23
11
24
12
25
13

DB25P (female)

PICOWEB SERVER
DATA PORT

+5V

R1   C1
2K
     0.1uF

D

U1

D   1   DIN   VCC   8
     2   DOUT   -VIN   7   VIN-
CLK_ 3   CLK   +VIN   6   VIN+
CS_ 4 $\overline{CS}$ GND   5

LTC1392CS8

GND

+5V

D1   D2
1N914   1N914

D3   D4
1N914   1N914

J1

VIN+   5
VIN+   4
VIN-   3
VIN-   2
GND   1

5-Pin Header

ANALOG INPUT
CONNECTOR

TEMPERATURE,
POWER SUPPLY AND
DIFFERENTIAL
VOLTAGE MONITOR

Note: Differential voltage input range is 0-1.0 volts
      VIN+ and VIN- must be in range of 0-5.0 volts

X:\AVR\ORCAD\PWADC.DSN

Lightner Engineering

Title
PicoWeb Server Data Acquisition Card (ADC)

Size	Document Number	Rev
A	8019AS ADC Card	1.0

| Date: | Monday, May 15, 2000 | Sheet | 1 | of | 1 |