

# 1Metre long SCREENED “Y-CABLE-3” WIRING TABLE

37&80WAY SCREENED CABLE (WITH SCREEN WIRE&FOIL  
CONNECTED TO ALL CONNECTOR SHELLS) TO BE USED

For use with: National Instruments PCI MIO Series E &  
Eagle Technology Card PCI-703-32/32A/64/64A

(REVISION1) 26/03/2001)

| SIGNAL NAME           | PIN NUMBER<br>SCSI II “D-<br>Sub”F | PIN NUMBER<br>DB37F<br>* Label: DIGITAL | PIN NUMBER 80pin<br>SCSI II “D-Sub”M<br>* Label: ANALOG |
|-----------------------|------------------------------------|---|---|
|                       | PCI-703-<br>32/32A/64/64A          | DIGITAL I/O<br>MODULES                  | ANALOG<br>MODULES                                       |
| ANALOG INPUT GND      | 1                                  | -                                       | 1;41  |
| ANALOG INPUT GND      | 2                                  | -                                       | 50;51   |
| ACH0                  | 3                                  | -                                       | 2   |
| ACH8                  | 4                                  | -                                       | 42  |
| ACH1                  | 5                                  | -                                       | 3   |
| ACH9                  | 6                                  | -                                       | 43  |
| ACH2                  | 7                                  | -                                       | 4   |
| ACH10                 | 8                                  | -                                       | 44  |
| ACH3                  | 9                                  | -                                       | 5   |
| ACH11                 | 10                                 | -                                       | 45  |
| ACH4                  | 11                                 | -                                       | 6   |
| ACH12                 | 12                                 | -                                       | 46  |
| ACH5                  | 13                                 | -                                       | 7   |
| ACH13                 | 14                                 | -                                       | 47  |
| ACH6                  | 15                                 | -                                       | 8   |
| ACH14                 | 16                                 | -                                       | 48  |
| ACH7                  | 17                                 | -                                       | 9   |
| ACH15                 | 18                                 | -                                       | 49  |
| ANALOG INPUT<br>SENSE | 19                                 | -                                       | 10  |
| DAC0OUT               | 20                                 | -                                       | 38  |
| DAC1OUT               | 21                                 | -                                       | 39  |
| EXTREF                | 22                                 | -                                       | 40  |
| ANALOG OUTPUT<br>GND  | 23                                 | -                                       | 78;79;80  |
| DIGITAL GND           | 24                                 | 1;4;7;8;10;11                           | -   |
| DIO0                  | 25                                 | 20                                      | -   |
| DIO4                  | 26                                 | 23                                      | -   |
| DIO1                  | 27                                 | 2                                       | -   |
| DIO5                  | 28                                 | 5                                       | -   |
| DIO2                  | 29                                 | 3                                       | -   |
| DIO6                  | 30                                 | 6                                       | -   |
| DIO3                  | 31                                 | 22                                      | -   |
| DIO7                  | 32                                 | 25                                      | -   |
| DIGITAL GND           | 33                                 | 13;15;17;19;24                          | -   |
| +5V                   | 34                                 | 29                                      | -   |
| +5V                   | 35                                 | 26                                      | -   |
| SCANCLK               | 36                                 | 27                                      | -   |
| EXTSTROBE             | 37                                 | 9                                       | -   |
| PFI0/TRIG1            | 38                                 | 28                                      | -   |
| PFI1/TRIG2            | 39                                 | 30                                      | -   |
| PFI2/CONVERT          | 40                                 | 12                                      | -   |
| PF13/GPCTR1_SOURCE    | 41                                 | 31                                      | -   |
| PF14/GPCTR1_GATE      | 42                                 | 32                                      | -   |
| GPCTR1_OUT            | 43                                 | 34                                      | -   |
| PF15/UPDATE           | 44                                 | 14                                      | -   |

|                        |             |             |             |
|------------------------|-------------|-------------|-------------|
| PFI6/WFTRIG            | 45          | 33          | -           |
| PFI7/STARTSCAN         | 46          | 16          | -           |
| PFI8/GPCTR0_SOURCE     | 47          | 35          | -           |
| PFI9/GPCTR0_GATE       | 48          | 36          | -           |
| GPCTR0_OUT             | 49          | 18          | -           |
| FREQ_OUT               | 50          | 37          | -           |
| ACH16                  | 51          | -           | 12          |
| ACH24                  | 52          | -           | 52          |
| ACH17                  | 53          | -           | 13          |
| ACH25                  | 54          | -           | 53          |
| ACH18                  | 55          | -           | 14          |
| ACH26                  | 56          | -           | 54          |
| ACH19                  | 57          | -           | 15          |
| ACH27                  | 58          | -           | 55          |
| ACH20                  | 59          | -           | 16          |
| ACH28                  | 60          | -           | 56          |
| ACH21                  | 61          | -           | 17          |
| ACH29                  | 62          | -           | 57          |
| ACH22                  | 63          | -           | 18          |
| ACH30                  | 64          | -           | 58          |
| ACH23                  | 65          | -           | 19          |
| ACH31                  | 66          | -           | 59          |
| ACH32                  | 67          | -           | 21          |
| ACH40                  | 68          | -           | 61          |
| ACH33                  | 69          | -           | 22          |
| ACH41                  | 70          | -           | 62          |
| ACH34                  | 71          | -           | 23          |
| ACH42                  | 72          | -           | 63          |
| ACH35                  | 73          | -           | 24          |
| ACH43                  | 74          | -           | 64          |
| ANALOG INPUT<br>SENSE2 | 75          | -           | 11          |
| ANALOG INPUT GND       | 76          | -           | 20;60;29;69 |
| ACH36                  | 77          | -           | 25          |
| ACH44                  | 78          | -           | 65          |
| ACH37                  | 79          | -           | 26          |
| ACH45                  | 80          | -           | 66          |
| ACH38                  | 82          | -           | 27          |
| ACH46                  | 82          | -           | 67          |
| ACH39                  | 83          | -           | 28          |
| ACH47                  | 84          | -           | 68          |
| ACH48                  | 85          | -           | 30          |
| ACH56                  | 86          | -           | 70          |
| ACH49                  | 87          | -           | 31          |
| ACH57                  | 88          | -           | 71          |
| ACH50                  | 89          | -           | 32          |
| ACH58                  | 90          | -           | 72          |
| ACH51                  | 91          | -           | 33          |
| ACH59                  | 92          | -           | 73          |
| ACH52                  | 93          | -           | 34          |
| ACH60                  | 94          | -           | 74          |
| ACH53                  | 95          | -           | 35          |
| ACH61                  | 96          | -           | 75          |
| ACH54                  | 97          | -           | 36          |
| ACH62                  | 98          | -           | 76          |
| ACH55                  | 99          | -           | 37          |
| ACH63                  | 100         | -           | 77          |
| DIGITAL GND            | SCREEN WIRE | SCREEN WIRE | SCREEN WIRE |