4-Port Serial to Ethernet Server

RS-232 Version



## **DATASHEET**

#### **Key Points**

- Serial to Ethernet server
- RS-232 serial device support
- Works out of the box no programming is required
- Metal enclosure
- Rebrand with your custom product label
- Customize with development kit

#### **Features**

- 10/100Mbps Ethernet
- TCP/UDP/Telnet modes
- DHCP/Static IP modes
- Web based configuration

- 32-bit performance
- Four serial ports
- Custom serial packetization options
- Power via two position terminal block or barrel connector

#### **Optional**

The following options are available with the optional development kit:

- · Customize any aspect of operation including web pages, data filtering, or custom network applications
- Additional baud rates
- Micro SD/MMC Card interface with included flash file system

The following optional software modules are not included with kit and are sold separately:

- Embedded SSL & SSH Security Suite (Module License Version)
- SNMP





## **Factory Application Specifications**

#### **Serial Port Baud Rate**

Factory application supports up to 115,200 bps. Custom rates available with development kit.

#### **Serial Protocols Supported**

RS-232

#### **Serial Configurations**

The UARTs are configured in the following way:

- One RS-232 serial console port
- Four RS-232 serial data ports

### **Hardware Specifications**

#### **Processor & Memory**

32-bit Freescale ColdFire 5270 running at 147MHz with 4Mbytes of on-chip flash, 8Mbytes SDRAM.

#### **Storage**

SD/MMC Flash Card Interfece (with SDHC support)

#### **Network Interface**

10/100 BaseT with RJ-45 connector

#### Data I/O Interface

• Up to 5 UARTs

#### I FDs

Two Link/Status Ethernet LEDs Two user programmable bi-color LEDs

#### **Physical Characteristics**

Dimensions (inches): 4.4" x 3.9" x 1.2"

#### Power

DC Input Voltage: 7V-24V

#### **Environmental Operating Temperature**

0° to 70° C

#### **RoHS Compliance**

The Restriction of Hazardous Substances guidelines ensure that electronics are manufactured with fewer environment harming materials.

#### **Agency Approvals**

UL, C/UL, CE, FCC











## **Connector Interface Description and Pinouts**

The back panel has a Serial I/O Connector (DB37) which can be connected to the 1-to-4 Serial Cable Adapter (DB37 to 4 x DB9). The adapter enables you to connect to four serial devices with DB9 connectors. Table 4 provides descriptions of the function of each pin on the Serial I/O Connector and the 1-to-4 Serial Cable Adapter DB9 serial ports 1-4.

Table 1: Connector Description

| Connector                                     | Description                    | Default Setting             |
|---|--------------------------------|-----------------------------|
| Serial I/O Connector (DB37)                   | Back panel DB37 port           | Serial ports 1-4            |
| 1-to-4 Serial Cable Adapter (DB37 to 4 x DB9) | Seral port Connector (4 x DB9) | Serial ports 1, 2, 3, and 4 |
| RS-232 / UART 0                               | DB9 connector                  | Console port                |
| Power Input 1                                 | Barrel connector               | Default power source        |
| Power Input 2                                 | Two position terminal block    |                             |

Table 2: Power Connector (Power Input 1 Barrel Connector) Pinout and Signal Description1

| Pin         | Signal   | Description        |
|-------------|----------|--------------------|
| Outer Shell | Negative | Ground             |
| Cetner Pin  | Positive | Raw DC Power Input |
|             |          |                    |

#### Note:

1. Optional power input

Table 3: Power Connector (Power Input 2 Terminal Block Connector) Pinout and Signal Description<sup>1</sup>

| Pin | Signal   | Description        |
|-----|----------|--------------------|
| 1   | Negative | Ground             |
| 2   | Positive | Raw DC Power Input |
|     |          |                    |

#### Note:

1. Optional power input



Table 4: Serial I/O Connector (DB37) and the 1-to-4 Serial Cable Adapter (DB37 to 4 x DB9) Pinout and Signal Descriptions (1)-

| 1         1         Raw Port 4 Carrier Detect         RS-232           2         2         Raw Port 4 Receive         RS-232           3         3         Raw Port 4 Receive         RS-232           4         4         Raw Port 3 Data Terminal Ready         RS-232           5         5         GND         -           6         9         Raw Port 3 Ready to Send         RS-232           7         8         Raw Port 3 Ready to Send         RS-232           8         7         Raw Port 3 Ready to Send         RS-232           9         6         Raw Port 3 Ready to Send         RS-232           10         1         Raw Port 2 Carrier Detect         RS-232           11         2         Raw Port 2 Receive         RS-232           12         3         Raw Port 2 Receive         RS-232           13         4         Raw Port 1 Ready to Send         RS-232           14         5         GND         -           15         9         Raw Port 1 Ready to Send         RS-232           16         8         Raw Port 1 Ready to Send         RS-232           17         7         Raw Port 1 Ready to Send         RS-232   | DB37 | DB9-1 | DB9-2 | DB9-3 | DB9-4 | Description                    | Max Voltage |
|---|------|-------|-------|-------|-------|--------------------------------|-------------|
| 3   Raw Port 4 Transmit   RS-232   4   4   Raw Port 4 Data Terminal Ready   RS-232   5   5   5   5   6   5   6   9   Raw Port 3 Ring Indicator   RS-232   7   8   Raw Port 3 Ring Indicator   RS-232   8   7   Raw Port 3 Ready to Send   RS-232   8   7   Raw Port 3 Ready to Send   RS-232   9   6   Raw Port 3 Data Set Ready   RS-232   10   1   Raw Port 2 Carrier Detect   RS-232   11   2   Raw Port 2 Receive   RS-232   12   3   Raw Port 2 Transmit   RS-232   13   4   Raw Port 2 Data Terminal Ready   RS-232   14   5   GND   -  | 1    |       |       |       | 1     | Raw Port 4 Carrier Detect      | RS-232      |
| 4   | 2    |       |       |       | 2     | Raw Port 4 Receive             | RS-232      |
| 5         GND            6         9         Raw Port 3 Ring Indicator         RS-232           7         8         Raw Port 3 Clear to Send         RS-232           8         7         Raw Port 3 Ready to Send         RS-232           9         6         Raw Port 3 Data Set Ready         RS-232           10         1         Raw Port 2 Carrier Detect         RS-232           11         2         Raw Port 2 Receive         RS-232           12         3         Raw Port 2 Transmit         RS-232           13         4         Raw Port 2 Data Terminal Ready         RS-232           14         5         GND         -           15         9         Raw Port 1 Ring Indicator         RS-232           16         8         Raw Port 1 Clear to Send         RS-232           17         7         Raw Port 1 Clear to Send         RS-232           18         6         Raw Port 1 Data Set Ready         RS-232           19         NC         NC         NC         NC Connection         RS-232           20         6         Raw Port 1 Data Set Ready         RS-232           21         7         Raw Port 4 Clear to Send         RS   | 3    |       |       |       | 3     | Raw Port 4 Transmit            | RS-232      |
| 6         9         Raw Port 3 Ring Indicator         RS-232           7         8         Raw Port 3 Clear to Send         RS-232           8         7         Raw Port 3 Ready to Send         RS-232           9         6         Raw Port 3 Data Set Ready         RS-232           10         1         Raw Port 2 Carrier Detect         RS-232           11         2         Raw Port 2 Receive         RS-232           12         3         Raw Port 2 Receive         RS-232           13         4         Raw Port 2 Transmit         RS-232           14         5         GND         -           15         9         Raw Port 1 Ring Indicator         RS-232           16         8         Raw Port 1 Ring Indicator         RS-232           17         7         Raw Port 1 Ready to Send         RS-232           18         6         RS-232         Rsw Port 1 Data Set Ready         RS-232           19         NC         NC         NC         NC Connection         RS-232           20         6         Raw Port 4 Data Set Ready         RS-232           21         7         Raw Port 4 Eacty to Send         RS-232           22         8 <td>4</td> <td></td> <td></td> <td></td> <td>4</td> <td>Raw Port 4 Data Terminal Ready</td> <td>RS-232</td>   | 4    |       |       |       | 4     | Raw Port 4 Data Terminal Ready | RS-232      |
| 7         8         Raw Port 3 Clear to Send         RS-232           8         7         Raw Port 3 Data Set Ready         RS-232           9         6         Raw Port 3 Data Set Ready         RS-232           10         1         Raw Port 2 Carrier Detect         RS-232           11         2         Raw Port 2 Receive         RS-232           12         3         Raw Port 2 Transmit         RS-232           13         4         Raw Port 2 Data Terminal Ready         RS-232           14         5         GND         -           15         9         Raw Port 1 Ready to Send         RS-232           16         8         Raw Port 1 Clear to Send         RS-232           17         7         Raw Port 1 Ready to Send         RS-232           18         6         Raw Port 1 Ready to Send         RS-232           19         NC         NC         NC Ononection         RS-232           20         6         Raw Port 4 Data Set Ready         RS-232           21         7         Raw Port 4 Data Set Ready         RS-232           22         8         Raw Port 4 Data Set Ready         RS-232           23         9         Raw Port 4 Ready t  | 5    |       |       |       | 5     | GND                            | -           |
| 8         7         Raw Port 3 Ready to Send         RS-232           9         6         Raw Port 3 Data Set Ready         RS-232           10         1         Raw Port 2 Carrier Detect         RS-232           11         2         Raw Port 2 Receive         RS-232           12         3         Raw Port 2 Fransmit         RS-232           13         4         Raw Port 2 Data Terminal Ready         RS-232           14         5         GND         -           15         9         Raw Port 1 Ring Indicator         RS-232           16         8         Raw Port 1 Ring Indicator         RS-232           17         7         Raw Port 1 Ring Indicator         RS-232           18         6         Raw Port 1 Data Set Ready         RS-232           18         6         Raw Port 1 Data Set Ready         RS-232           20         0         RS-232         RS-232           21         7         Raw Port 4 Data Set Ready         RS-232           21         7         Raw Port 4 Data Set Ready         RS-232           22         8         Raw Port 4 Clear to Send         RS-232           23         9         Raw Port 4 Ready to Send   | 6    |       |       | 9     |       | Raw Port 3 Ring Indicator      | RS-232      |
| 9 6 Raw Port 3 Data Set Ready RS-232 10 1 Raw Port 2 Carrier Detect RS-232 11 2 Raw Port 2 Receive RS-232 12 3 Raw Port 2 Transmit RS-232 13 4 Raw Port 2 Data Terminal Ready RS-232 14 5 GND 15 9 Raw Port 1 Ring Indicator RS-232 16 8 Raw Port 1 Clear to Send RS-232 17 7 Raw Port 1 Data Set Ready RS-232 18 6 Raw Port 1 Data Set Ready RS-232 19 NC NC NC NC NC No Connection RS-232 20 6 Raw Port 4 Data Set Ready RS-232 21 7 Raw Port 4 Ready to Send RS-232 22 8 Raw Port 4 Ring Indicator RS-232 23 9 Raw Port 4 Ring Indicator RS-232 24 5 GND 25 4 Raw Port 3 Data Terminal Ready RS-232 26 3 Raw Port 3 Data Terminal Ready RS-232 27 2 Raw Port 3 Data Terminal Ready RS-232 28 1 Raw Port 3 Raw Port 3 RS-232 29 6 Raw Port 3 Raw Port 3 RS-232 21 Raw Port 3 RS-232 22 Raw Port 3 RS-232 23 Raw Port 3 RS-232 24 Raw Port 3 RS-232 25 Raw Port 3 RS-232 26 Raw Port 3 RS-232 27 Raw Port 3 RS-232 28 Raw Port 3 RS-232 29 6 Raw Port 2 Ready RS-232 30 7 Raw Port 2 Ready RS-232 31 8 Raw Port 2 Ready RS-232 31 8 Raw Port 2 Ready RS-232 31 8 Raw Port 2 Ready RS-232 33 5 Raw Port 2 Ring Indicator RS-232 34 4 Raw Port 2 Ring Indicator RS-232 35 6 Raw Port 1 Data Terminal Ready RS-232 36 8 Raw Port 1 Data Terminal Ready RS-232 37 Raw Port 2 Ready RS-232 38 Raw Port 2 Ready RS-232 39 Raw Port 1 Data Terminal Ready RS-232 30 Raw Port 1 Data Terminal Ready RS-232 31 Raw Port 1 Data Terminal Ready RS-232 33 S Raw Port 1 Data Terminal Ready RS-232 34 Raw Port 1 Data Terminal Ready RS-232 35 Raw Port 1 Data Terminal Ready RS-232 36 PRAW Port 1 Receive RS-232 | 7    |       |       | 8     |       | Raw Port 3 Clear to Send       | RS-232      |
| 10  | 8    |       |       | 7     |       | Raw Port 3 Ready to Send       | RS-232      |
| 11  | 9    |       |       | 6     |       | Raw Port 3 Data Set Ready      | RS-232      |
| 12         3         Raw Port 2 Transmit         RS-232           13         4         Raw Port 2 Data Terminal Ready         RS-232           14         5         GND         -           15         9         Raw Port 1 Ring Indicator         RS-232           16         8         Raw Port 1 Clear to Send         RS-232           17         7         Raw Port 1 Data Set Ready         RS-232           18         6         Raw Port 1 Data Set Ready         RS-232           19         NC         NC         NC Onnection         RS-232           20         6         Raw Port 4 Data Set Ready         RS-232           21         7         Raw Port 4 Ready to Send         RS-232           21         7         Raw Port 4 Ready to Send         RS-232           22         8         Raw Port 4 Ready to Send         RS-232           23         9         Raw Port 4 Ready to Send         RS-232           24         5         GND         -           25         4         Raw Port 3 Ready in Glicator         RS-232           24         5         GND         -           25         4         Raw Port 3 Receive         RS-232   | 10   |       | 1     |       |       | Raw Port 2 Carrier Detect      | RS-232      |
| 13  | 11   |       | 2     |       |       | Raw Port 2 Receive             | RS-232      |
| 14  | 12   |       | 3     |       |       | Raw Port 2 Transmit            | RS-232      |
| Raw Port 1 Ring Indicator   RS-232  | 13   |       | 4     |       |       | Raw Port 2 Data Terminal Ready | RS-232      |
| Raw Port 1 Clear to Send   RS-232   | 14   |       | 5     |       |       | GND                            | -           |
| 17         7         Raw Port 1 Ready to Send         RS-232           18         6         Raw Port 1 Data Set Ready         RS-232           19         NC         NC         NC         No Connection         RS-232           20         6         Raw Port 4 Data Set Ready         RS-232           21         7         Raw Port 4 Ready to Send         RS-232           22         8         Raw Port 4 Clear to Send         RS-232           23         9         Raw Port 4 Ring Indicator         RS-232           23         9         Raw Port 3 Data Terminal Ready         RS-232           24         5         GND         -           25         4         Raw Port 3 Data Terminal Ready         RS-232           26         3         Raw Port 3 Receive         RS-232           27         2         Raw Port 3 Receive         RS-232           28         1         Raw Port 3 Receive         RS-232           29         6         Raw Port 2 Data Set Ready         RS-232           30         7         Raw Port 2 Ready to Send         RS-232           31         8         Raw Port 2 Ready to Send         RS-232           31         9 <t< td=""><td>15</td><td>9</td><td></td><td></td><td></td><td>Raw Port 1 Ring Indicator</td><td>RS-232</td></t<>   | 15   | 9     |       |       |       | Raw Port 1 Ring Indicator      | RS-232      |
| 18         6         Raw Port 1 Data Set Ready         RS-232           19         NC         NC         NC No Connection         RS-232           20         6         Raw Port 4 Data Set Ready         RS-232           21         7         Raw Port 4 Ready to Send         RS-232           22         8         Raw Port 4 Clear to Send         RS-232           23         9         Raw Port 4 Ring Indicator         RS-232           24         5         GND         -           25         4         Raw Port 3 Data Terminal Ready         RS-232           26         3         Raw Port 3 Transmit         RS-232           27         2         Raw Port 3 Receive         RS-232           28         1         Raw Port 3 Receive         RS-232           29         6         Raw Port 2 Data Set Ready         RS-232           30         7         Raw Port 2 Data Set Ready         RS-232           31         8         Raw Port 2 Clear to Send         RS-232           31         8         Raw Port 2 Ring Indicator         RS-232           33         5         GND         -           34         4         Raw Port 1 Data Terminal Ready  | 16   | 8     |       |       |       | Raw Port 1 Clear to Send       | RS-232      |
| 19         NC         NC         NC         NC Oconnection         RS-232           20         6         Raw Port 4 Data Set Ready         RS-232           21         7         Raw Port 4 Ready to Send         RS-232           22         8         Raw Port 4 Clear to Send         RS-232           23         9         Raw Port 4 Ring Indicator         RS-232           24         5         GND         -           25         4         Raw Port 3 Data Terminal Ready         RS-232           26         3         Raw Port 3 Transmit         RS-232           27         2         Raw Port 3 Receive         RS-232           28         1         Raw Port 3 Carrier Detect         RS-232           29         6         Raw Port 2 Data Set Ready         RS-232           30         7         Raw Port 2 Ready to Send         RS-232           31         8         Raw Port 2 Ready to Send         RS-232           31         9         Raw Port 2 Ring Indicator         RS-232           33         5         GND         -           34         4         Raw Port 1 Data Terminal Ready         RS-232           35         3         Raw Port 1 Tran   | 17   | 7     |       |       |       | Raw Port 1 Ready to Send       | RS-232      |
| 20       6       Raw Port 4 Data Set Ready       RS-232         21       7       Raw Port 4 Ready to Send       RS-232         22       8       Raw Port 4 Clear to Send       RS-232         23       9       Raw Port 4 Ring Indicator       RS-232         24       5       GND       -         25       4       Raw Port 3 Data Terminal Ready       RS-232         26       3       Raw Port 3 Transmit       RS-232         27       2       Raw Port 3 Receive       RS-232         28       1       Raw Port 3 Carrier Detect       RS-232         29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232   | 18   | 6     |       |       |       | Raw Port 1 Data Set Ready      | RS-232      |
| 21       7       Raw Port 4 Ready to Send       RS-232         22       8       Raw Port 4 Clear to Send       RS-232         23       9       Raw Port 4 Ring Indicator       RS-232         24       5       GND       -         25       4       Raw Port 3 Data Terminal Ready       RS-232         26       3       Raw Port 3 Transmit       RS-232         27       2       Raw Port 3 Receive       RS-232         28       1       Raw Port 3 Carrier Detect       RS-232         29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232   | 19   | NC    | NC    | NC    | NC    | No Connection                  | RS-232      |
| 22       8       Raw Port 4 Clear to Send       RS-232         23       9       Raw Port 4 Ring Indicator       RS-232         24       5       GND       -         25       4       Raw Port 3 Data Terminal Ready       RS-232         26       3       Raw Port 3 Transmit       RS-232         27       2       Raw Port 3 Receive       RS-232         28       1       Raw Port 3 Carrier Detect       RS-232         29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232  | 20   |       |       |       | 6     | Raw Port 4 Data Set Ready      | RS-232      |
| 23       9       Raw Port 4 Ring Indicator       RS-232         24       5       GND       -         25       4       Raw Port 3 Data Terminal Ready       RS-232         26       3       Raw Port 3 Transmit       RS-232         27       2       Raw Port 3 Receive       RS-232         28       1       Raw Port 3 Carrier Detect       RS-232         29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232   | 21   |       |       |       | 7     | Raw Port 4 Ready to Send       | RS-232      |
| 24       5       GND       -         25       4       Raw Port 3 Data Terminal Ready       RS-232         26       3       Raw Port 3 Transmit       RS-232         27       2       Raw Port 3 Receive       RS-232         28       1       Raw Port 3 Carrier Detect       RS-232         29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232   | 22   |       |       |       | 8     | Raw Port 4 Clear to Send       | RS-232      |
| 25       4       Raw Port 3 Data Terminal Ready       RS-232         26       3       Raw Port 3 Transmit       RS-232         27       2       Raw Port 3 Receive       RS-232         28       1       Raw Port 3 Carrier Detect       RS-232         29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232  | 23   |       |       |       | 9     | Raw Port 4 Ring Indicator      | RS-232      |
| 26       3       Raw Port 3 Transmit       RS-232         27       2       Raw Port 3 Receive       RS-232         28       1       Raw Port 3 Carrier Detect       RS-232         29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232   | 24   |       |       | 5     |       | GND                            | -           |
| 27       2       Raw Port 3 Receive       RS-232         28       1       Raw Port 3 Carrier Detect       RS-232         29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232   | 25   |       |       | 4     |       | Raw Port 3 Data Terminal Ready | RS-232      |
| 28       1       Raw Port 3 Carrier Detect       RS-232         29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232  | 26   |       |       | 3     |       | Raw Port 3 Transmit            | RS-232      |
| 29       6       Raw Port 2 Data Set Ready       RS-232         30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232  | 27   |       |       | 2     |       | Raw Port 3 Receive             | RS-232      |
| 30       7       Raw Port 2 Ready to Send       RS-232         31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232  | 28   |       |       | 1     |       | Raw Port 3 Carrier Detect      | RS-232      |
| 31       8       Raw Port 2 Clear to Send       RS-232         31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232   | 29   |       | 6     |       |       | Raw Port 2 Data Set Ready      | RS-232      |
| 31       9       Raw Port 2 Ring Indicator       RS-232         33       5       GND       -         34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232  | 30   |       | 7     |       |       | Raw Port 2 Ready to Send       | RS-232      |
| 33       5         34       4         35       3         36       2             GND       -         Raw Port 1 Data Terminal Ready       RS-232         Raw Port 1 Transmit       RS-232         Raw Port 1 Receive       RS-232  | 31   |       | 8     |       |       | Raw Port 2 Clear to Send       | RS-232      |
| 34       4       Raw Port 1 Data Terminal Ready       RS-232         35       3       Raw Port 1 Transmit       RS-232         36       2       Raw Port 1 Receive       RS-232   | 31   |       | 9     |       |       | Raw Port 2 Ring Indicator      | RS-232      |
| 35 3 Raw Port 1 Transmit RS-232<br>36 2 Raw Port 1 Receive RS-232   | 33   | 5     |       |       |       | GND                            | -           |
| 36 2 Raw Port 1 Receive RS-232  | 34   | 4     |       |       |       | Raw Port 1 Data Terminal Ready | RS-232      |
|   | 35   | 3     |       |       |       | Raw Port 1 Transmit            | RS-232      |
| 37 1 Raw Port 1 Carrier Detect RS-232   | 36   | 2     |       |       |       | Raw Port 1 Receive             | RS-232      |
|   | 37   | 1     |       |       |       | Raw Port 1 Carrier Detect      | RS-232      |

#### Note:

1. Note: Raw ports are named so because they do not correspond to the UART numbers of the MCF5270; a separate UART component on the UART blade boards are used for additional UART ports.



#### **Part Numbers**

PK70 EX 232 4-Port Serial to Ethernet Server (RS-232 Version)

Part Number: PK70EX-232CR

**DIN Rail Mounting Kit (100 Version, double sided)** 

Part Number: DIN-100

**DIN Rail Mounting Kit (200 Version, single sided)** 

Part Number: DIN-200

PK70 EX 232 Development Kit

Part Number: NNDK-PK70EX232-KIT

Kit includes all the hardware and software you need to customize the included platform hardware. See NetBurner

Store product page for package contents.

**Embedded SSL & SSH Security Suite (Module License Version)** 

Part Number: NBLIC-SSL-MODULE

Only required if you are using a development kit.

**SNMP V1 (Module License Version)** 

Part Number: NBLIC-SNMP

Only required if you are using a development kit.

## **Ordering Information**

E-mail: sales@netburner.com Online Store: www.NetBurner.com Telephone: 1-800-695-6828

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

NetBurner:

PK70EX-232CR PK70EX-232CR-I