

# DINOBlade™ Pin Definitions

## CPU Blade

| A Col | CPU Blade | B Col | CPU Blade |
|-------|-----------|-------|-----------|
| A1    | GND       | B1    | ATXPWROK  |
| A2    | PS_ON     | B2    | RST_PD#   |
| A3    | PWRON#    | B3    | +12V      |
| A4    | +12V      | B4    | GND       |
| A5    | GND       | B5    | USB1P     |
| A6    | USB2P     | B6    | USB1N     |
| A7    | USB2N     | B7    | GND       |
| A8    | GND       | B8    | USB0P     |
| A9    | 5VSB      | B9    | USB0N     |
| A10   | 3VSB      | B10   | GND       |
| A11   | PCIRST    | B11   | WAKE      |
|       |           |       |           |
| A12   | +3.3V     | B12   | PECLK0P   |
| A13   | GND       | B13   | PECLK0N   |
| A14   | PECLK2P   | B14   | GND       |
| A15   | PECLK2N   | B15   | PECLK1P   |
| A16   | GND       | B16   | PECLK1N   |
| A17   | PECLK3P   | B17   | GND       |
| A18   | PECLK3N   | B18   | +3.3V     |
|       |           |       |           |
| A19   | +3.3V     | B19   | GND       |
| A20   | GND       | B20   | PETX0P    |
| A21   | PERX0P    | B21   | PETX0N    |
| A22   | PERX0N    | B22   | GND       |
| A23   | GND       | B23   | PETX1P    |
| A24   | PERX1P    | B24   | PETX1N    |

| A Col | CPU Blade | B Col | CPU Blade     |
|-------|-----------|-------|---------------|
| A25   | PERX1N    | B25   | GND           |
| A26   | GND       | B26   | PETX2P        |
| A27   | PERX2P    | B27   | PETX2N        |
| A28   | PERX2N    | B28   | GND           |
| A29   | GND       | B29   | PETX3P        |
| A30   | PERX3P    | B30   | PETX3N        |
| A31   | PERX3N    | B31   | GND           |
| A32   | GND       | B32   | +3.3V         |
|       |           |       |               |
| A33   | GND       | B33   | GND           |
| A34   | GND       | B34   | TPD0P         |
| A35   | TPD1P     | B35   | TPD0N         |
| A36   | TPD1N     | B36   | GND           |
| A37   | GND       | B37   | ECARD_SMBCLK  |
| A38   | TPD3P     | B38   | ECARD_SMBDATA |
| A39   | TPD3N     | B39   | GND           |
| A40   | GND       | B40   | GND           |
| A41   | GND       | B41   | GND           |
| A42   | GND       | B42   | GND           |
| A43   | GND       | B43   | GND           |
| A44   | GND       | B44   | +5V           |
| A45   | +5V       | B45   | +5V           |
| A46   | +5V       | B46   | GND           |
| A47   | GND       | B47   | +5V           |
| A48   | +5V       | B48   | +5V           |
| A49   | +5V       | B49   | GND           |

## I/O Application Blade

| A Col | I/O Blade | B Col | I/O Blade    |
|-------|-----------|-------|--------------|
| A1    | GND       | B1    | +12V         |
| A2    | WAKE      | B2    | +12V         |
| A3    | ATXPWROK  | B3    | GND          |
| A4    | PCIRST    | B4    | 5VSB         |
| A5    | 3VSB      | B5    | GND          |
| A6    | GND       | B6    | USB0P        |
| A7    | PECLK0P   | B7    | USB0N        |
| A8    | PECLK0N   | B8    | GND          |
| A9    | GND       | B9    | PETX0P       |
| A10   | PERX0P    | B10   | PETX0N       |
| A11   | PERX0N    | B11   | GND          |
|       |           |       |              |
| A12   | GND       | B12   | GND          |
| A13   | GND       | B13   | TPD0P        |
| A14   | TPD1P     | B14   | TPD0N        |
| A15   | TPD1N     | B15   | GND          |
| A16   | GND       | B16   | ECARD_SMBCLK |

| A Col | I/O Blade | B Col | I/O Blade     |
|-------|-----------|-------|---------------|
| A17   | TPD3P     | B17   | ECARD_SMBDATA |
| A18   | TPD3N     | B18   | GND           |
|       |           |       |               |
| A19   | GND       | B19   | +3.3V         |
| A20   | +3.3V     | B20   | +3.3V         |
| A21   | GND       | B21   | GND           |
| A22   | GND       | B22   | GND           |
| A23   | GND       | B23   | GND           |
| A24   | GND       | B24   | GND           |
| A25   | GND       | B25   | GND           |
| A26   | GND       | B26   | GND           |
| A27   | GND       | B27   | +5V           |
| A28   | +5V       | B28   | +5V           |
| A29   | +5V       | B29   | GND           |
| A30   | GND       | B30   | +5V           |
| A31   | +5V       | B31   | +5V           |
| A32   | +5V       | B32   | GND           |

## Power Supply Blade

| A Col | Power Blade | B Col | Power Blade |
|-------|-------------|-------|-------------|
| A1    | NC          | B1    | NC          |
| A2    | NC          | B2    | NC          |
| A3    | NC          | B3    | NC          |

| A Col | Power Blade | B Col | Power Blade |
|-------|-------------|-------|-------------|
| A25   | GND         | B25   | GND         |
| A26   | 3VSB        | B26   | 3VSB        |
| A27   | 3VSB        | B27   | 3VSB        |

|     |         |     |       |
|-----|---------|-----|-------|
| A4  | PWRON#  | B4  | NC    |
| A5  | RST_PD# | B5  | PS_ON |
| A6  | +12V    | B6  | +12V  |
| A7  | +12V    | B7  | +12V  |
| A8  | +12V    | B8  | +12V  |
| A9  | GND     | B9  | GND   |
| A10 | GND     | B10 | GND   |
| A11 | GND     | B11 | GND   |
|     |         |     |       |
| A12 | +3.3V   | B12 | +3.3V |
| A13 | +3.3V   | B13 | +3.3V |
| A14 | +3.3V   | B14 | +3.3V |
| A15 | +3.3V   | B15 | +3.3V |
| A16 | +3.3V   | B16 | +3.3V |
| A17 | +3.3V   | B17 | +3.3V |
| A18 | GND     | B18 | GND   |
|     |         |     |       |
| A19 | GND     | B19 | GND   |
| A20 | GND     | B20 | GND   |
| A21 | GND     | B21 | GND   |
| A22 | GND     | B22 | GND   |
| A23 | GND     | B23 | GND   |
| A24 | GND     | B24 | GND   |

|     |      |     |      |
|-----|------|-----|------|
| A28 | 3VSB | B28 | 3VSB |
| A29 | 3VSB | B29 | 3VSB |
| A30 | GND  | B30 | GND  |
| A31 | GND  | B31 | GND  |
| A32 | GND  | B32 | GND  |
|     |      |     |      |
| A33 | GND  | B33 | GND  |
| A34 | GND  | B34 | GND  |
| A35 | GND  | B35 | GND  |
| A36 | GND  | B36 | GND  |
| A37 | GND  | B37 | GND  |
| A38 | GND  | B38 | GND  |
| A39 | GND  | B39 | GND  |
| A40 | +5V  | B40 | +5V  |
| A41 | +5V  | B41 | +5V  |
| A42 | +5V  | B42 | +5V  |
| A43 | +5V  | B43 | +5V  |
| A44 | +5V  | B44 | +5V  |
| A45 | +5V  | B45 | +5V  |
| A46 | +5V  | B46 | +5V  |
| A47 | +5V  | B47 | +5V  |
| A48 | NC   | B48 | NC   |
| A49 | NC   | B49 | NC   |