**RJ45 Pinouts**

**Straight Thru Cable**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  | Pair 3 | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Pair 3 | | | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Pair 2 | | | | | |  |  | Pair 1 | | | |  |  |  | Pair 4 | | | | | |  |  |  |  |  |  |  |  |  |  |  | Pair 2 | | | |  |  |  | Pair 1 | | | | |  |  |  | Pair 4 | | | | | | |  |  |
|  | | | | | | | | |  | | | | | |  | | | | | | | | 1 |  | | | | | | 1 |  | | | | | | | | |  | | | | | | |  | | | | | | | | | |  |
|  |  |  | | | | | | |  | | | | | |  | | | | | |  |  |  |  | | | | |  |  |  | | | | | | |  | | | | | | |  | | | | | | | |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | |  | |  |  |  | | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  | | | | | 2 |  |  |  |  |  | | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | | | |  | |  | |  | |  | |  | |  | |  | | |  |  | | | | |  | | |  | | | |  | |  | |  | | |  | |  | | |  | | |  | |  |  |  |
|  |  | 1 | | 2 | | | | 3 | | 4 | | 5 | | 6 | |  | 7 | 8 | |  |  |  | 3 |  |  |  |  |  |  | 3 |  |  | 1 | | 2 3 | | | | | | 4 | | 5 | | | 6 | |  | 7 | |  | 8 | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | | | |  |  |  | |  |  |  | |  |  |  | |  |  |  |  |  | 4 |  |  | | | | | 4 |  |  |  | | | |  |  | | |  |  |  | | |  |  |  | | |  |  |  |  |  |  |  |
|  |  |  | | | | |  |  | | |  |  | | |  |  | |  |  |  | |  |  | | | | |  | | | | | | |  | | | |  |  | | | |  |  | | | |  |  |  |  |  |  |
|  |  |  | | | |  |  |  | |  |  |  | |  |  |  | |  |  |  |  |  | 5 |  |  | | | | | 5 |  |  |  | | | |  |  | | |  |  |  | | |  |  |  | | |  |  |  |  |  |  |  |
|  |  |  | | | | |  |  | | |  |  | | |  |  | |  |  |  | |  |  | | | | |  | | | | | | |  | | | |  |  | | | |  |  | | | |  |  |  |  |  |  |
|  |  |  | | | | | | | | | | | | | | | | | | | |  | 6 |  |  |  |  |  |  | 6 |  |  | | | | | | | | | | | | | | | | | | | | | | |  |  |  |
|  |  |  |  | |  | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  | | | | | | | | | | | | | | | | |  |  |  |  |  |  |
|  |  |  |  | | | | |  | | | | | | | | |  | |  |  |  |  |  | | | | |  |  |  |  |  | | |  | | | | | | | | | | |  | | |  |  |  |  |  |  |
|  |  |  |  | | |  |  | | | | | | | | | |  |  |  |  |  |  | 7 |  |  | | | | | 7 |  |  |  |  |  | | |  | | | | | | | | | | |  |  |  |  |  |  |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | |  | |  |  |  | | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |  |  | | | | | 8 |  |  |  |  |  | | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | T568B | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | T568B | | | | | | | | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | **Cross-Over Cable or Cross Connect Cable** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | Pair 2 | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Pair 3 | | | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Pair 3 | | | | | |  |  | Pair 1 | | | |  |  |  | Pair 4 | | | | | |  |  |  |  |  |  |  |  |  |  |  | Pair 2 | | | |  |  |  | Pair 1 | | | | |  |  |  | Pair 4 | | | | | | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  | 1 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  | 2 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 1 | | 2 | | | | 3 | | 4 |  | 5 |  | 6 | |  | 7 | 8 | |  |  |  | 3 |  |  |  |  | 3 | | |  |  | 1 | | 2 | | | 3 | |  | 4 |  | 5 | |  | 6 | |  | 7 | |  | 8 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | | |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |  |  | 4 |  | | | | | 4 | |  | |  | | |  | |  | | |  |  |  | | |  |  |  | | |  |  |  |  |  |  |  |
|  |  | | | | |  |  | | |  |  | | |  |  | | |  |  | |  |  |  | | | | |  | | | | | | |  | | |  |  | | | |  |  | | | |  |  |  | |  |  |  |
|  |  |  | | |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |  |  | 5 |  | | | | | 5 | |  | |  | | |  | |  | | |  |  |  | | |  |  |  | | |  |  |  |  |  |  |  |
|  |  | | | | |  |  | | |  |  | | |  |  | | |  |  | |  |  |  | | | | |  | | | | | | |  | | |  |  | | | |  |  | | | |  |  |  | |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6 |  |  |  |  | 6 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | | |  |  |  | | | | | | | | |  |  |  |  |  |  | 7 |  | | | | | 7 | |  | |  |  |  | | |  | | | | | | | | | | |  |  |  |  |  |  |  |  |  |
|  |  |  |  | | |  |  | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | |  | | | | | | | | | | |  |  |  |  |  |  |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |  | | | | | 8 | |  | |  |  |  | | |  | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | T568A | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | T568B | | | | | | | | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | **Roll-Over Cable or Console Cable** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | Pair 3 | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Pair 3 | | | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Pair 2 | | | | | |  |  | Pair 1 | | | |  |  |  | Pair 4 | | | | | |  |  |  |  |  |  |  |  |  |  |  | Pair 4 | | | |  |  |  | Pair 1 | | | | |  |  |  | Pair 2 | | | | | | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  | 1 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  | 2 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 1 | | 2 | | |  | 3 |  | 4 |  | 5 |  |  | 6 |  | 7 |  | 8 |  |  |  | 3 |  |  |  |  | 3 | | |  |  | 1 | | 2 | | | 3 | | | 4 | | 5 | | | 6 | |  | 7 | |  | 8 | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  |  |  |  | 4 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |  |  |  |  | 5 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6 |  |  |  |  | 6 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |  |  |  |  | 7 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |  |  |  |  | 8 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

T568B