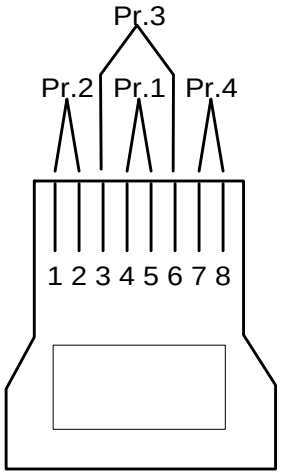
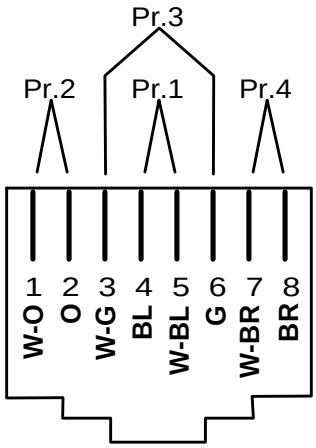
TIA/EIA-568-A Wiring Standard

T568B

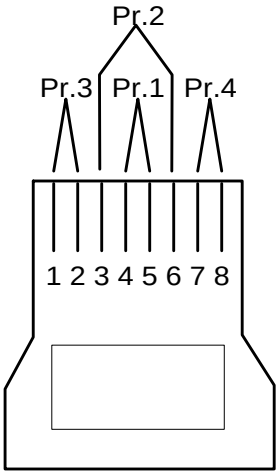


T568B Plug Wiring

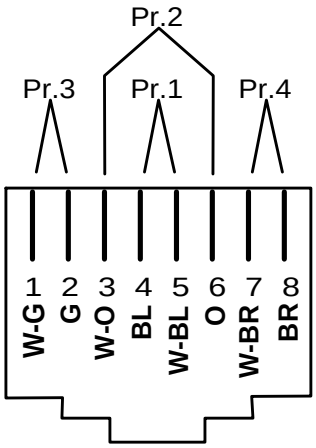


T568B Pair Assignment

T568A



T568A Plug Wiring



T568A Pair Assignment

UTP Color Codes

Pair 1	White-Blue (W-BL) Blue (BL)
Pair 2	White-Orange (W-O) Orange (O)
Pair 3	White-Green (W-G) Green (G)
Pair 4	White-Brown (W-BR) Brown (BR)

The TIA/EIA-568A standard specifies two wiring schemes to be employed in Category 3-5 and Category 5e UTP installations. The difference between the T568A and T568B schemes is that pairs 2 and 3 are reversed.

Although 10Base-T only needs two pair, all four pairs must be terminated in either the T568A or T568B scheme. The T568B scheme is the most popular.

The color scheme should be consistent throughout the system. T568A or T568B pair assign-ments may be used interchangeably provided that both ends are terminated at the same pin/pair scheme. The new 100Base-TX (IEEE 802.3) uses the same wiring scheme as 10Base-T (pairs 2 and 3) over Category 5 and Category 5e UTP.

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