

# Typical Wiring for 4-Pole Round Connectors

## 4-Pole Round Trailer End Connector

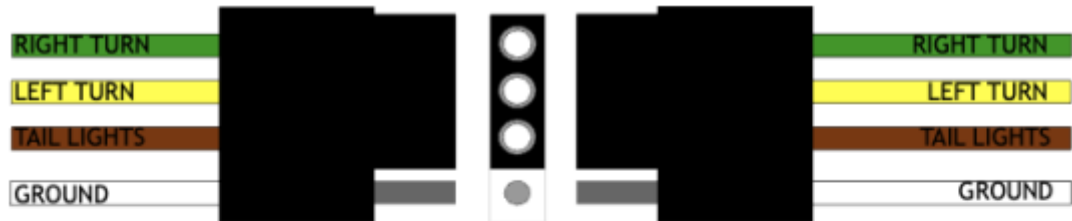
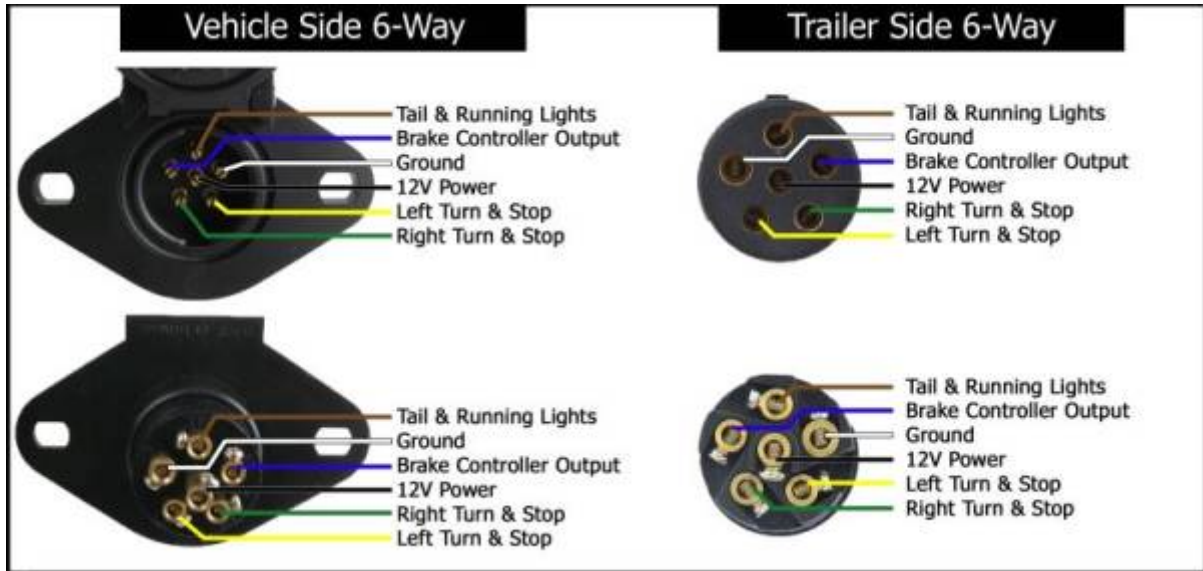


## 4-Pole Round Vehicle End Socket



# 4-Way Round





***BRAKE LIGHTS ARE COMBINED WITH TURN INDICATORS***



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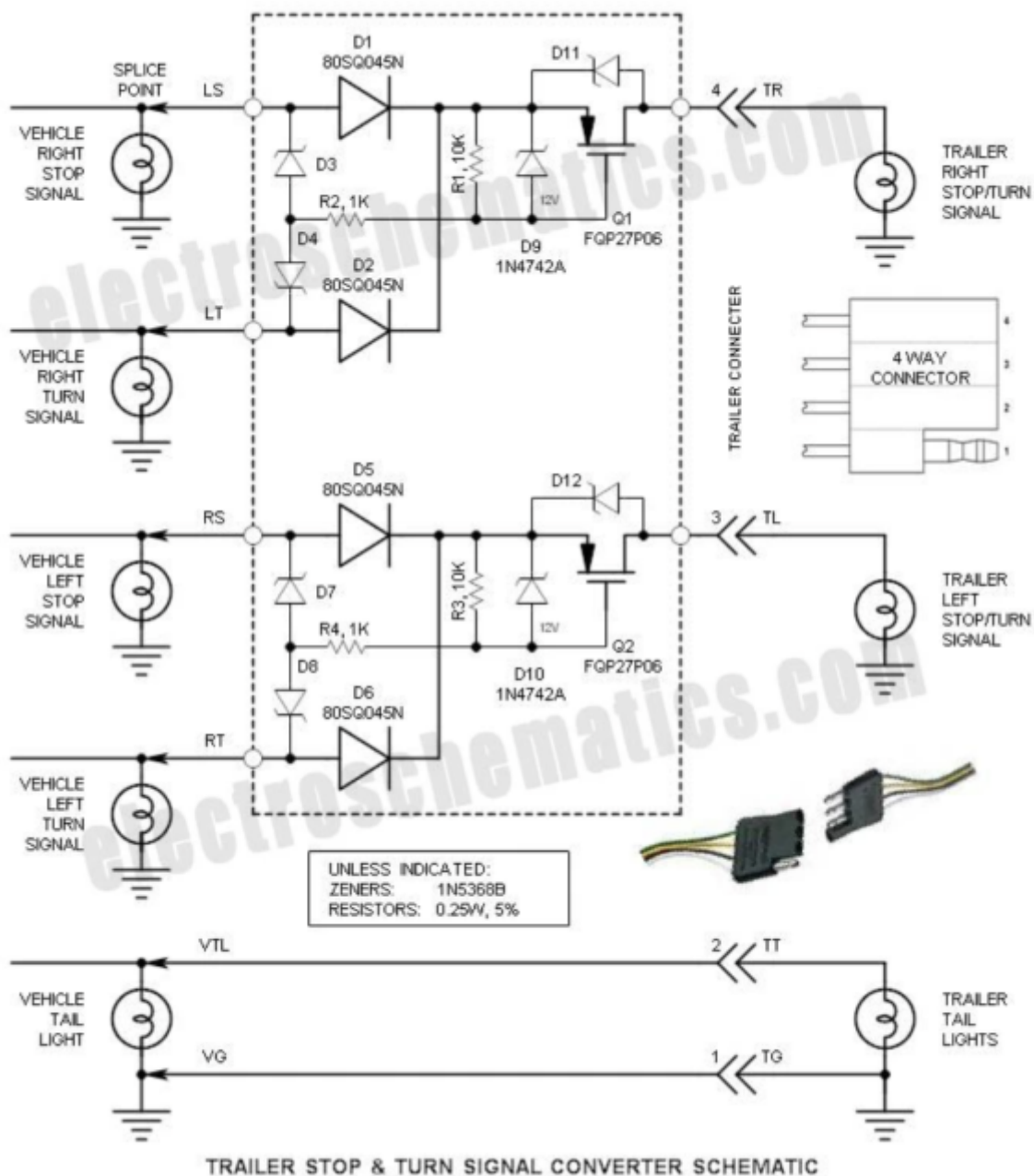
# WIRE COLOR BY VEHICLE MANUFACTURER

|                 | DUAL PURPOSE BULB SYSTEM  |                          |                                  |                | SINGLE PURPOSE BULB SYSTEM    |                      |                |  |
|-----------------|---------------------------|--------------------------|----------------------------------|----------------|-------------------------------|----------------------|----------------|--|
|                 | RIGHT TURN & BRAKE LIGHTS | LEFT TURN & BRAKE LIGHTS | TAILLIGHTS                       | GROUND         | BRAKE LIGHTS                  | BACKUP LIGHTS        | TRAILER BRAKES |  |
| <b>GMC</b>      | Green                     | Yellow                   | Brown                            | Black          | Pink or Lt Blue               | Lt Green             |                | Connect to Blue Wire from Brake Controller |
| <b>FORD</b>     | Orange w/ Blue Stripe     | Green w/ Orange Stripe   | Brown                            | Black or Grey  | Red w/ Green Stripe           | Black w/ Pink Stripe |                |  |
| <b>CHRYSLER</b> | Brown                     | Green                    | Black, or Black w/ Yellow Stripe | Black          | White                         | Violet               |                |  |
| <b>JEEP</b>     | Brown                     | Grey w/ Black Stripe     | Blue                             | Black          | Blue w/ Black Stripe          | Brown                |                |  |
| <b>TOYOTA</b>   | Green w/ Yellow Stripe    | Green w/ Black Stripe    | Red w/ Green Stripe              | Black or White | Green w/ Red or White Stripe  | -                    |                |  |
| <b>HONDA</b>    | Green w/ Yellow Stripe    | Green w/ Blue Stripe     | Red w/ Black Stripe              | Black          | Green w/ White Stripe         | -                    |                |  |
| <b>MAZDA</b>    | Green w/ Yellow Stripe    | Black Stripe             | Green or Black Stripe            | Black          | Green, or Green w/ Red Stripe | -                    |                |  |

# TRAILER WIRING COLOR CODE

|                                  | FUNCTION      | COLOR        | MIN. WIRE GAUGE |           | WHERE TO ATTACH (VEHICLE SIDE)                    | WHERE TO ATTACH (TRAILER SIDE)                      |
|----------------------------------|---------------|--------------|-----------------|-----------|---|---|
|                                  |               |              | 4 & 5 Way       | 6 & 7 Way |   |   |
| 4-WAY<br>5-WAY<br>6-WAY<br>7-WAY | Right Turn    | Green        | 18              | 16        | Vehicle wiring harness (right turn)               | Trailer's right turn signal                         |
|                                  | Left Turn     | Yellow       | 18              | 16        | Vehicle wiring harness (left turn)                | Trailer's left turn signal                          |
|                                  | Ground        | White        | 16              | 12        | Vehicle ground point (metal, uncoated, rustproof) | Trailer's ground point (metal, uncoated, rustproof) |
|                                  | Tail / Marker | Brown        | 18              | 16        | Vehicle wiring harness (taillight)                | Trailer's taillights                                |
|                                  | Brake*        | Blue         | 18              | 12        | Electric brake control, power for brakes          | Breakaway switch                                    |
|                                  | Battery       | Red or Black |                 | 12        | Fuse block or FUSED battery lead                  | Breakaway kit, interior lights, & battery charger   |
|                                  | Backup        | Purple       |                 | 16        | Vehicle wiring harness (backup circuit)           | Backup lights / hydraulic coupler                   |





| Stop Lamp | Signal Lamp | Trailer Lamp |
|-----------|-------------|--------------|
| Off       | Off         | Off          |
| On        | Off         | On           |
| Off       | On          | On           |
| On        | On          | Off          |

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