

13 POLE TRACTOR TRAILER CONNECTORS



Features and Benefits

- Distinctive bright yellow housing color identifies 13-pole size.
- Surpasses SAE J560b performance standards, allowing for interchangeability between 7-pole and 13-pole connectors.
- Robust glass-filled plastic housings cannot rust or corrode.
- Adaptable to a wide variety of wiring combinations, including multiplexed circuits.
- Ground terminals accept up to 8AWG wire, 7 pole terminals up to 10AWG, smaller 6 pole terminals up to 18AWG.
- Protective, latching-doored sockets to protect terminals from debris and contaminants.
- Six terminals (P/N 31784) included.

Description

13-pole trailer connectors are used for the electrical connection of turn lights, brake lights, lamps, and AUX/ABS power on vehicles with 12V and 24V electrical systems. Provides six additional tractor-trailer circuits within the design envelope of traditional 7-pole connectors.

Applications

- Brake Lights
- Turn Lights
- Lamps
- Power to Anti-Lock Brakes
- Power to Auxiliary Equipment

Specifications Overview

Voltage Rating:	12V to 24V DC
Poles:	13-Pole
Amperage:	12A per circuit (smaller terminals 6 total) @ 30 °C.
Industry Standard:	SAE J560B
Housing:	Yellow Glass-Filled Plastic
Wire Sizes:	8 AWG, 10AWG and 14 AWG

Web Resources

Download 2D print and technical resources at:
littelfuse.com/13PoleConnectors

Ordering Information

PART NUMBER	DESCRIPTION	MOUNTING	VOLTAGE
12300 *	13-Pole Round Flanged Socket Trailer Connector Assembly	Flange	12V to 24V DC
12301 *	13-Pole Round Plug Trailer Connector Assembly	None	12V to 24V DC

* Box and Blister Pack Available

Mouser Electronics

Authorized Distributor

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[12300](#) [12301](#)