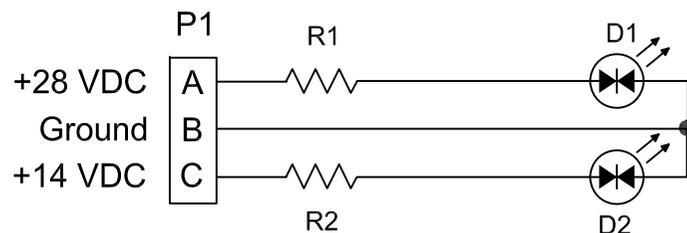


Auxiliary 3 Pin Power Source Test Plug

Connector used as a general power source for a wide range of equipment.



Parts for the Auxiliary 3 Pin Power Source Test Plug

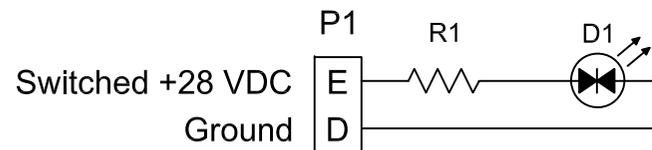
- P1: MS3116F12-3P (mates with MS3112E12-3S)
 R1: 1.3k ohm, 3/4 watt
 R2: 600 ohm, 1/2 watt
 D1 & D2: Bi-color diode, i.e. red/green (e.g. Lite-On LTL-293SJW, Dialight 521-9462F or Dialight 521-9462).

Assembly:

- Orientate diodes so that green displays correct pin polarity (short lead +) and red displays reverse polarity (long lead -).
- Seal plug components with clear RTV to prevent shock and damage.
- Mark diodes, just before RTV dries, for ease of identification as to which one is +14 volts and which one is +28 volts.

Helicopter 9 Pin Test Plug

Connector used on helicopters for remote hooks, buckets, helitorches and seeders



Parts for the Helicopter 9 Pin Test Plug

- P1: MS3107B24-11P (mates with MS3101E24-11S)
 R1: 1.3k ohm, 3/4 watt
 D1: Bi-color diode, i.e. red/green (e.g. Lite-On LTL-293SJW, Dialight 521-9462F or Dialight 521-9462).

Assembly:

- Orientate diode so that green displays correct pin polarity (short lead +) and red displays reverse polarity (long lead -).
- Remove threaded locking ring from P1 (for quick and easy testing).
- Seal plug components with clear RTV to prevent shock and damage.

FS/OAS drawings are available at:
www.nifc.gov/NIICD/documents.html

| RevNo | Revision note | Date | Initials | Checked | National Interagency Fire Center (NIFC) | | | | Avionics (208) 387-5648 | |
|-------|------------------------------|------------|----------|---------|---|-----------------------|-------------------------------|---------------------|-------------------------|---------------|
| A | Simplified | 06/16/1995 | KS | BC | Designed by VIRGIL | Checked by UNKNOWN | Approved by - date UNKNOWN | Filename 120002C | Date 02/02/2017 | Scale NONE |
| B | Updated & Added Information | 09/20/1999 | FAS | BC | | | | | | |
| C | Revised schematics and parts | 02/02/2017 | FAS | BF | | | | | | |
| | | | | | U.S. FOREST SERVICE | | AIRCRAFT TEST PLUGS | | | |
| | | | | | FS/OAS A-18 | | | Revision C | Sheet 1/1 | |