

NOAA AOC rack power distribution harness wiring for WP-3D aircraft

version 3, 12/22/2005 TR

Rack Bulkhead
M83723/72W1808
SxJ-AC

backshell:
M85049/52-1-18W
(see note 3)

backshell:
M85049/52-1-22W

Rack Power Dist. Panel
M83723/75W2212N
PDP-P1
(see notes 4 and 5)

115V 60 Hz Bus1
60 Hz RTN
115V 60 Hz Bus2
60 Hz RTN
115V 400 Hz
400 Hz RTN
Chassis GND
Chassis GND

1
2
3
4
5
6
7
8

Rack Bulkhead
M83723/72W18086
SxJ-DC

backshell:
M85049/52-1-18W
(see note 3)

28 VDC
DC RTN
28 VDC WOW
WOW RTN

1
2
3
4
5
6
7
8

Chassis GND
Chassis GND

1
2
3
4
5
6
7
8
9
10
11
12

60 Hz Bus1
60 Hz RTN
60 Hz Bus2
60 Hz RTN
400 Hz
400 Hz RTN
28 VDC
28 VDC RTN
28 VDC WOW
28 VDC WOW RTN
Chassis GND (AC)
Chassis GND (DC)

Notes:

1. All wire 12AWG M22759/16-12 or equivalent (www.dearborn-cdt.com)
2. Cable length at each station to be determined from measurement in rack
3. Backshell may be M85049/51-1-18W when right-angle SR is required
4. See WD-003008-AN for dist. panel wiring
5. See AD-003009-AN for dist. panel assembly

Circular Connectors Inc.
(805) 987-8145 tel.
(805) 987-8556 fax

fem. plug M83723/75W2212N: \$39.74
male wall mt. M83723/72W2212N: \$41.81
male jam nut M83723/74W2212N: \$54.83
strain relief M85049/52-1-22W: \$8.40
spare sockets M39029/5-118: \$0.68
spare pins M39029/4-113: \$0.62

male plug M83723/72W1808: \$xx.xx
male keyed plug M83723/72W18086: \$xx.xx
strain relief M85049/52-1-18W: \$xx.xx
spare pins ?????