

# MAIN DC-DC CONVERTER BOX

## LEGEND

### Wire/Harness Type

- Secondary PWR** from main DC-DC converter board
- Telemetry PWR** shows PWR connections from both the DC-DC and from PDU subsystems powering telem on other subsystem boards
- Telemetry Data** These are DATA signals coming from all subsystem boards and converge to the communications board
- PDU PWR Output** The PWR output that is actually sent to the load

## Connectors

PMT : Means that the connector is PANEL MOUNTED and DOES NOT require internal harnessing

#-MDSUB : # pin MALE DSUB connector

#-FDSUB : # pin FEMALE DSUB connector

31-MmicroD : 31-pin MALE Micro-D Connector P/N:

31-FmicroD : 31-pin FEMALE Micro-D Connector P/N:

31-MHDSUB : 31-pin MALE High Density DSUB Connector P/N:

31-FHDSUB : 31-pin FEMALE High Density DSUB Connector P/N:

## Harnesses

P# : A Box-to-Box harness carrying PWR from main DC-DC converter

T# : Carries telemetry data from a box to the Communications board

TP# : Carries telemetry PWR made from PM5V board within a box (Warm TPC DAQ box)

J# : Carries output PWR from subsystem to load (Not to be confused with blue J#'s)

J# : This refers to the connector on the PCB board (Not to be confused with green J#'s)

W-### : Inter-box connections from Panel-to-Board or Board-to-Board within the same box

W-100 : SIPM Bias Box connections

W-200 : SIPM Charge & Pre-Amp Box connections

W-400 : CAEN-NEVIS DAQ Box connections

W-500 : Warm TPC Shaper Box connections

## Panel Mount Part Numbers

9-DSUB M-F: 171-009-103L001  
15-DSUB M-F: 171-015-103L001  
25-DSUB M-F: 171-025-103L001  
37-DSUB M-F: 171-025-103L001

15-HDSUB M-F: 180-015-103L001  
Manufacturer: TBD

31-MicroD Adapter M-F: CinchPN: DCDM31CS  
DigikeyPN: 116-DCDM31CS-ND

# COMMS AND HUB COMPUTER BOX

