

Description:

Fault Tolerant Launcher Relay Box is part of launcher electrical system. FTLRB distributes launcher power supply to missile On-board sub-systems, incorporates all safety interlocks along with physical event simulations of mission. FTLRB introduces Fault Tolerance in switching modules of critical missile avionics systems and establishes MIL-STD-1553B Communication interface between LPC and on-board mission computer.

Specification

Input	: 28V ,30A
No of cards	: 4Nos (Relay Card-1&2) (Sensor Card-1&2) (DC-DC Converter Card-1&2) (Input Card 1&2)
MIL-STD-1553	
Input Card	: Input 28V,30A : Outputs: 28V,10A (Monitored Through CSLA1CD Current Sensor) : 28V,30A(Monitored Through CSLA1CD Current Sensor)
Relay Card No of Relays	: 13 Nos : Input :28V, 30A : Outputs: 28V, 10A
Outputs	: 28V, 30A
Relay Card O/P	: Monitored as Master , Slave & Control
Sensor card	: Input 15V, 19mA : Input 24V, 2A Outputs: DIPS : Signaling : Current Sensing (CSLA1CD) : Monitoring (AD2303SN)
DC-DC Converter Card	: Input 18-36V DC ,6A : Outputs: 24V, 2A