NAME P/N QTY	FUNCTION	FAILURE MODE & CAUSES	MISSION PHASE	FAILURE EFFECT	FAILURE DETECTION FLIGHT/GROUND	TIME TO EFFECT/ ACTIONS	CRIT	REMARKS/ HAZARD	REF
DISPLAY AND CONTROLS ELECTRONICS, ITEM 358 SV792291-27 (1)	Provides current limiting for EVC, feedwater solenoid and CLIV solenoid power. Provides optical isolation and discrete signal conditioning for CWS input discretes and EVC tone discretes. Contains battery current and voltage sense circuits, DCM display, and provides secondary power to DCM display, CWS, and sensors.	358FM03: Feedwater valve (137) current limiter fails shorted (input to output). CAUSE: Electrical short in wiring or component.	PREEVA EVA	END ITEM: Loss of overcurrent protection of the DCM for a short in the feedwater power line. GFE INTERFACE: None for single failure. Subsequent failure (short) could cause EMU power failure. MISSION: None for single failure. Terminate EVA for subsequent failures that result in EMU power loss. CREW/VEHICLE: None for single or double failure. Possible loss of crewman with loss of SOP.	FLIGHT: No. GROUND: None.	None. TIME AVAILABLE: N/A TIME REQUIRED: N/A	3/1R A-PASS B-PASS C-PASS	The redundant paths are the electrical system and the SOP. The CWS measures battery current and issues a warning if pre-selected limits are exceeded. Circuit breakers (current limiters) are standby redundant.	None.