

FMFA
 EMU FAILURE MODE, EFFECT ANALYSIS

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NAME P/N QTY	FUNCTION	FAILURE MODE & CAUSES	MISSION PHASE	FAILURE EFFECT	FAILURE DETECTION, FLIGHT/GROUND	TIME TO EFFECT/ ACTIONS	CRIT	REMARKS/ HAZARD	REF
Battery Pack Assembly SED13101665 -301 (1)	Provides electrical power with over temp protection and fusing.	10GFN34: Fuse fails to open when current exceeds 1.5A. CAUSE: Defective part.	EVA	END ITEM: Possible battery pack temperature increase. GFE INTERFACE: Loss of heating in glove fingertip area if battery tempera- ture exceeds 162°F resulting in the thermostats opening the circuit. MISSION: None with failure of fuse to open. None with subsequent fail- ure of one thermostat. None with additional short in circuit. CREW/VEHICLE: None with failure of fuse to open. None with subsequent failure of one ther- mostat. None with additional short in circuit. Loss of crewman with loss of second thermostat causing battery self heating and cell rupture or explo- sion.	FLIGHT: None. GROUND: None.	None. TIME AVAILABLE: N/A TIME REQUIRED: N/A	3/1R	A - Pass B - Pass C - Pass	