



ENGINEERING CHANGE FORM			
<b>ENGINEERING REQUEST/NOTICE</b> Request    Notice    Number <b>X</b> <b>004</b>		<b>DRAWING/DOCUMENT TITLE</b> Redundant Wires in SPB mechanism	
<b>DATE</b> <b>1/28/2004</b>			
<b>SERIAL NUMBER</b> (If Applicable)	<b>ITEM TYPE</b> Hardware    Software <b>X</b>	<b>DRAWING/DOCUMENT NUMBER</b> thm_sys_009N_PowerBudget thm_pcb_sch_001	<b>PROJECT</b> <b>THEMIS</b>
<b>REASON FOR REQUEST</b> Redundant SMA wire actuators in SPB mechanism increases reliability			<b>REQUESTER</b> Paul Turin
			Disposition    Date Effective
<b>CHANGE DESCRIPTION (Request/Response)</b> Two additional FETs will be added to handle 2A SPB drive current. Current limit should at 2x nominal (8A). (SMA wire = 5 ohms, parallel combination = 2.5 ohms. Required drive current for one SPB Door is 2A. X and Y Doors no longer fired concurrently. Duration is 1 second.)			1    1/29/04
<b>DISPOSITION/REMARKS</b>			<b>DISPOSITION CODES</b> 1) Change in design spec, drawing, or schematic 2) Replace 3) Rework 4) Use As Is 5) See Note/Attachment
<b>COGNIZANT ENGINEER</b>		Class 1    Class 2 <input type="checkbox"/> <input type="checkbox"/>	
<b>APPROVALS</b> (Initials/Date) Lead Engineer _____ QA Manager _____ Project Manager _____ Systems Engineer _____		<b>CLASS CODES</b> 1 Major Cost/Schedule 2 Minor Cost/Schedule	<b>NEXT HIGHER ASSEMBLY</b> <b>IDPU</b> _____ _____ _____