


REV	REVISIONS DESCRIPTION	DATE	APPROVED
1A	ENGINEER E.P. EDITION	5/3/84	AM

ENVIRONMENTAL/RELIABILITY ENGINEERING  
TEST REPORT

5100 (5200L) DESIGN REVIEW COMMENTS

**ENGINEERING RELEASED**

		DRAWN BY	DATE	 <p>Atari, Inc. 30 E. Plumeria Drive San Jose, CA 95134</p> <p><small>© A Warner Communications Company</small></p>		
		CHECKED				
NEXT ASSY	USED ON	ENGINEER	DATE	TITLE		
		<i>E.P. Symon</i>	<i>5/2/84</i>	5100 (5200L) DESIGN REVIEW COMMENTS		
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		<i>E.P.</i>	<i>5/2/84</i>	<b>A</b>	C024673-155	1A
		APPROVED		SCALE	SHEET 1 OF 2	
		<i>K. [Signature]</i>				

ATARI INTEROFFICE MEMO

TO: GHEE MUNOZ

FEBRUARY 22, 1984

FROM: GIL SEYMOUR *GS*

SUBJECT: 5100 (5200L) DESIGN REVIEW COMMENTS (C024673-155)

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PRODUCT SPECIFICATIONS (5200L)

1. 4.3.0.0 Targeted MTBF was based on what assumptions? Identify the targeted MTBF at 25 degrees C.
2. 5.2.2.3 Power input accepts 117 VAC nominal not 110 VAC.
3. 2.2.0.0 Controlled Documents  
Add 16K X 4 EIT D-RAM specification C021534.

PRODUCT SAFETY

1. Does a product safety evaluation report exist? We need an O.K. from product safety on the 5200L product.

PROTECTION AGAINST CONSOLE FAILURE AND POTENTIAL PRODUCT LIABILITY WHEN AN INCORRECT A.C. POWER ADAPTOR IS UTILIZED.

An acceptable solution to the problem is a series power diode, 3 amp MR500. The diode has its cathode at the 47uF capacitor and its anode at the power input point such that the device functions as a half wave rectifier.

A.C. Power Adaptor Impact: (C017945)

1. No power adaptor failure.
2. No console component failure.
3. No T.V. operation.
4. No product liability or component failure.

D.C. Power Adaptor Impact: (C020475-404)

1. The additional voltage drop of the diode still allows for adequate margin at low line inputs.
2. Console and power adaptor function properly.

cc: K. Ashton  
G. Kuczynski

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GS/jg