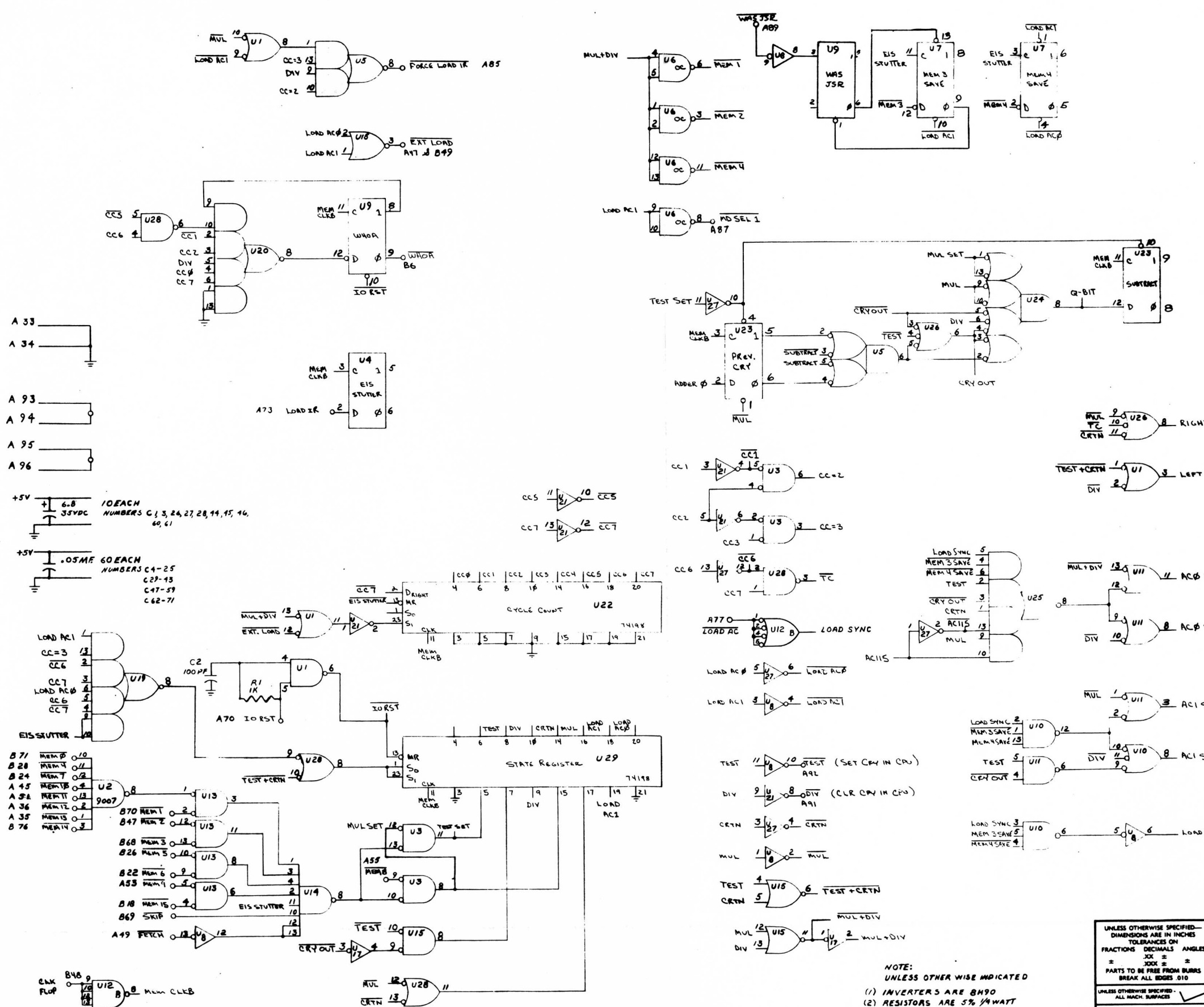


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REVISIONS				
REV.	DESCRIPTION	DRFTG.	APP. BY	DATE
01	ECO 393	RNK		7-1-77
02	ECO 585	UWG		11/1/77
03	REV PER ECO 713	JES		11/1/77



DIVIDE NOTES:

TEST: AC0 - AC2
 IF NO CARRY OUT OF ADDRESS, SHIFT RIGHT
 LEFT
 IF CARRY OUT OF ADDRESS, TERMINATE DIVIDE.

DIV: ALWAYS ADD DURING FIRST CYCLE
 AFTER TEST.
 IF LAST QUOTIENT BIT = 0, THEN:
 AC0 + AC2 → AC0
 AC0 + AC1 SHIFTED LEFT, Q-BIT → AC15
 IF LAST QUOTIENT BIT = 1, THEN:
 AC0 - AC2 → AC0
 AC0 + AC1 SHIFTED LEFT, Q-BIT → AC15
 QUOTIENT BIT = CRY OUT @ SUBTRACT
 @ PREV CRY
 DURING LAST CYCLE (TC), DON'T
 SHIFT AC0.

CRTN: IF FINAL QUOTIENT BIT = 1, THEN:
 DO NOTHING, YOU'RE FINISHED
 IF FINAL QUOTIENT BIT = 0, THEN:
 AC0 + AC2 → AC0
 DON'T SHIFT AC0 OR AC1

NOTE:
 UNLESS OTHERWISE INDICATED
 (1) INVERTERS ARE 8H90
 (2) RESISTORS ARE 5% 1/4 WATT

QTY.	DESCRIPTION	PART NO.
	DRAWN	
	CHECKED	
	ENGINEER	
	APPROVED	
	FIRST USED ON	107-000100
	MATERIAL	
	FINISH	
	SCALE	

DATA GENERAL CORPORATION			
SOUTHBORO, MASSACHUSETTS 01772			
TITLE			
MUL/DIV			
NOVA 1200			
SIZE	CODE	DRAWING NUMBER	REV.
D	001	000131	03

