



APPLICATION			REVISIONS			
JOB FIRST USED ON						
			LTR	DESCRIPTION	DATE	APPROVAL
NEXT ASSY	REQD	USED ON				

TOLERANCES UNLESS OTHERWISE SPECIFIED		APPROVAL	NAME	DATE
DIMENSIONS IN INCHES		DRAWN		
TOLERANCES		CHECKED		
.XX	.03	PROJ / DESIGNER	<i>J. Malhotra</i>	10/23/80
.XXX	.010	MFG.		
ANGULAR	0°30'	P.A.		
DO NOT SCALE DRAWING		PURCH.		
MATERIAL		APPROVED	<i>[Signature]</i>	11/21/80
FINISH				
CONTRACT NO.				

# MEASUREMENT systems & controls incorporated

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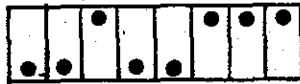
TITLE		SIZE	DOCUMENT NUMBER	REV.
Cromix Adapter Board, Model CRA-100 Operating Instructions		<b>A</b>	CRA-100 TM	--
SCALE	REV IN—FILE DATE	SHEET 1		OF 4



## GENERAL DESCRIPTION

The Cromix Adapter Board, when plugged into header 1 and 2 sockets, allows the DMB6400 to be configured as two 32K software selectable blocks of memory that can reside in any combination of banks 0 through 7 for each of the two 32K blocks. It is also no longer necessary to wire headers 1 and 2 as per the DMB6400 technical manual.

Two eight section switches on the Cromix Adapter Board allows each 32K block of memory to be located in any of the eight possible banks by placing the appropriate section of the switches to the ON position. These switches function exactly as the two bank select switches on the 64KZ memory board from Cromemco. Switch 1 corresponds to the block of memory addressed in the lower 32K and switch 2 corresponds to the block of memory addressed in the upper 32K. This assumes that switch S2 on the DMB6400 is set as follows:



S2

## OPERATION PROCEDURE

The first step is to verify whether or not resistor \*R22 on the DMB6400 has been replaced by a short circuit. All new memory boards delivered from the Systems Group will already have this change incorporated. However, if you have an older DMB6400 you will need to implement this change. The easiest implementation is to leave the resistor on the board and solder a short wire between the two resistor pads on the rear of the board. Refer to Figure 1 for the general location of R22.

Next, set switches 1 and 2 on the Cromix Adapter Board before inserting it into the DMB6400. This will prevent any accidental damage to the Cromix Adapter Board from excessive pressure once it is plugged in. Remove headers 1 and 2 (save these for any future applications that will not use Cromix and where the 16K bank select feature will be used) and insert the Cromix Adapter Board into two empty sockets.

Set switches S1 through S5 as follows for the first DMB6400 in the system.



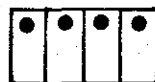
S1



S2



S3



S4



S5

\*NOTE: R22 is reversed with R15 on the schematic only

Set switches S1 through S5 as follows for multiple DMB6400's in the system.



S1



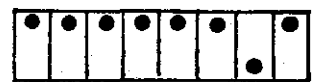
S2



S3



S4

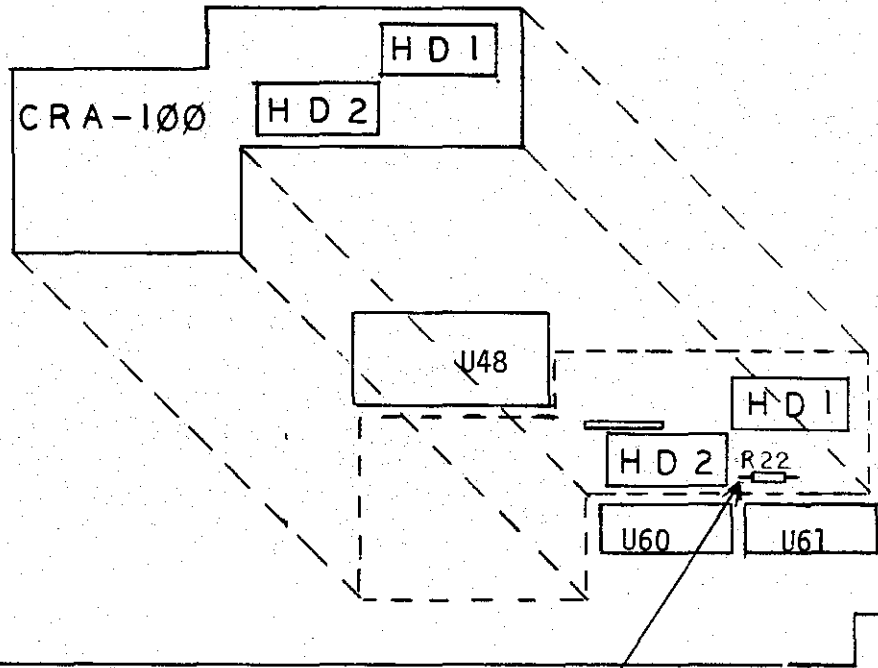


S5

Cromix is now ready to operate.

DMB6400 Outline  
Showing Placement of CRA-1000  
and Replacement of R22

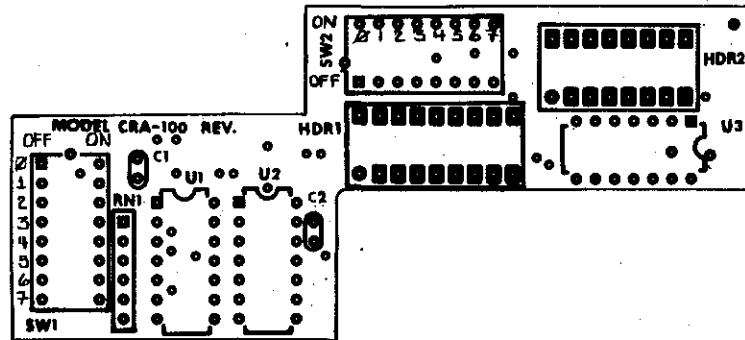
DMB 6400



Replace R22 with  
a short circuit

FIGURE 1

REVISIONS					
LAL	LTR	ECO NO	DESCRIPTION	DATE	APPROVED



	12			
	11			
	10			
	9			
	8			
	7			
	6			
36	5		TERMINAL AUGAT LSG-1AG 14-14	HDR1, HDR2
2	4		SWITCH	SW1, SW2
1	3	4306P-101-271	RESISTOR NETWORK 4306P	RNI
3	2		INTEGRATED CIRCUIT 74505	U1, U2, U3
2	1		CAPACITOR .1uF SR205E104ZAA	C1, C2
CODE IDENT	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION		

PARTS LIST

APPROVAL	NAME	DATE
DRAWN	JES/ASG DESIGN	10/66
CHECKED		
PROJ ENGRG/DSGN		
MFG APPD		
PROD ASSURANCE		
PURCHASING		
APPROVED		

MEASUREMENT systems & controls incorporated

TITLE  
CRDMIX  
ADAPTER BOARD  
ASSEMBLY DWG

NEXT ASSY	QTY	FINAL ASSY	QTY

APPLICATION: BY STREET OR

SIZE	CODE IDENT NO	DRAWING NO	REV.
C		CRA-100	

SCALE 2/1 REV IN-FILE DATE SHEET 1 OF 1