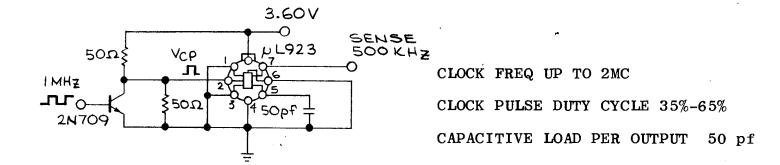
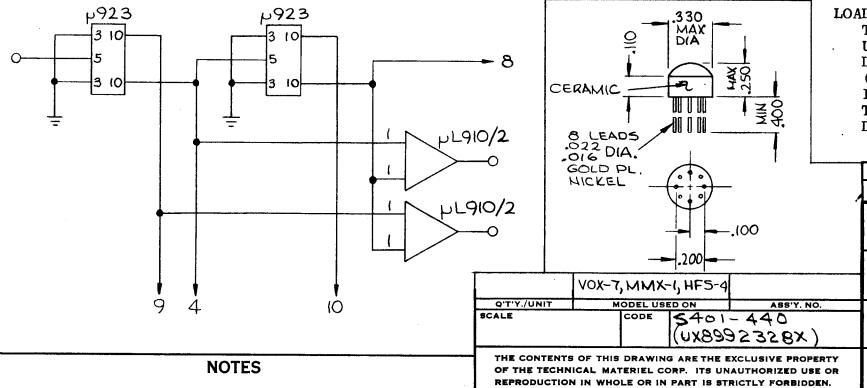


TOGGLING MODE TEST CIRCUIT



EXAMPLE USING LOW POWER μ L910's TO DECODE THE μ L923 OPERATED AS A COUNTER



Ø	REVISIONS							
	SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD	
	Ø	ORIGINAL RELEASE FOR PRODUCTION	12.16.66	Ø	RME		Manager - Manage	
9								
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GENERAL DESCRIPTION:

THE μ L923 INDUSTRIAL FLIP-FLOP IS A FULLY INVERGRATED MONOLITHIC CIRCUIT, USING THE EPITAXIAL PROCESS. THIS ELEMENT IS DESIGNED FOR USE IN INDUSTRIAL SHIFT REGISTER AND BINARY COUNTING APPLICATIONS. THE μ L923JK FLIP-FLOP IS COMPATIBLE WITH THE BASIC INDUSTRIAL MICROLOGIC FAMILY AND OPERATES AT A FREQ. OF 2.0 Mc MINIMUM OVER THE 15°C TO 55°C TEMPERATURE RANGE.

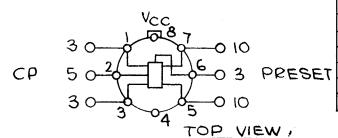
OPERATING VOLTAGE RANGE

COLLECTOR SUPPLY VOLTAGE (V_{CC})
OPERATING TEMPERATURE RANGE
STORAGE TEMPERATURE RANGE

3.6 V ±10% +15°C TO +55°C -55°C TO +125°C

MINITEDIT COADTE

LOGIC SYMBOL & LOAD FACTORS



TRUTH TABLE						
SET	CLEAR	OUTPUT				
(1)	(3)	(7)				
	t=n	t=n+1				
H	H	Xn				
H	L	H				
L	H	L				
L	L	χn				
цT	S MODE DOST	TIVE THAN				

H IS MORE POSITIVE THAN L
X IS THE OUTPUT STATE AT TIME n

LOADING RULES AND DRIVE FACTORS

THE MIXING OF LOW-POWER AND MEDIUM-POWER MICROLOGIC RESULTS IN THE FULL UTILIZATION OF ALL AVAILABLE DRIVE CAPABILITY FROM THE CIRCUIT, WHEN DRIVING LOW-POWER MICROLOGIC IT WILL BE NOTED THAT EACH LOW-POWER INPUT (BASE) REPRESENTS A LOADFACTOR OF 1, WHILE EACH MEDIUM-POWER MICROLOGIC INPUT REPRESENTS A LOADFACTOR OF3. THE OUTPUT DRIVE FACTOR CAN BE USED TO DRIVE ANY COMBINATION OF INPUTS, PROVIDED THE SUM OF THE INPUT LOADS DOES NOT EXCEED THE OUTPUT DRIVE FACTOR.

	REQ'D.	rem	PART NUMBER			DESCR	PIPTION	SYMBOL
	Po	LIST C	LIST OF MATERIAL					
	MATERIAL	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK						
	FINISH	//	,	NE	TWC	DRK, F	TLIP-FLOF	
	DIMENSI	SS OTHERWISE ONS ARE IN INCHE LY APPLIED OR P	S AND INCLUDE	CHECKED	w Hole	10.17.66 12/2/66	FINAL APPROVAL/	12/15/66
TY OR I.	DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCE	FRACTIONS ± 1/64 ANGLES ± 0° 30'	MECH. DES	X.	DATE /2/5/66 DATE	NW136	REV. LTR.