

AA

ADDR	MACH CODE	LABEL	ASSY LANG.
<i>Reset, SUB Memory etc</i>			
2000	3E		MVI A, 0EH
2001	0E		
2002	D3		OUT 20H
2003	20		
2004	06		MVI B, 01H
2005	01		
2006	11	MAIN:	LXI D, 0001H
2007	01		
2008	00		
2009	48	TONE:	MOV C, B
200A	0D	DELAY:	DCR C
200B	C2		JNZ DELAY
200C	0A		
200D	20		
200E	7D		MOV A, L
200F	D3		OUT 23H
2010	23		
2011	19		DAD D
2012	D2		JNC TONE
2013	09		
2014	20		
2015	1C		INR E
2016	C2		JNZ TONE
2017	09		
2018	20		
2019	04		INR B
201A	C3		JMP MAIN
201B	06		
201C	20		

SYMBOL TABLE

ADR	SYM
2006	MAIN
2009	TONE
200A	DELAY

Reset 00, etc.

LOC	OBJ	LINE	SOURCE STATEMENT
		1 ;	WRITTEN BY NICK MAMICH ON 2 - 13- 80
		2 ;	ON SYSTEM 230 - CHICAGO, IL
		3 ;	
		4 ;	WEIRD PROGRAM
		5 ;	THIS PROGRAM MAKES WEIRD NOISES ON THE SDK-85
		6 ;	CONNECT A SMALL SPEAKER TO THE 8155 PORT C BIT 5
		7 ;	CONNECT THE OTHER END OF THE SPEAKER TO GROUND
		8 ;	INITIAL VALUE OF REGISTERS H-L IS ARBITRARY
		9 ;	
2000		10	ORG 2000H
2000	3E0E	11	MVI A,0EH ;INITIALIZE 8155 PORTS
2002	D320	12	OUT 20H
2004	0601	13	MVI B,01H ;SET PULSE INCREMENT
2006	110100	14	MAIN: LXI D,0001H ;SET TONE INCREMENT
2009	48	15	TONE: MOV C,B ;GET PULSE WIDTH
200A	0D	16	DELAY: DCR C ;PULSE WIDTH DELAY
200B	C20A20	17	JNZ DELAY ; "
200E	7D	18	MOV A,L ;SEND TONE TO SPEAKER
200F	D323	19	OUT 23H
2011	19	20	DAD D ;GENERATE TONE
2012	D20920	21	JNC TONE ;SUSTAIN CURRENT TONE
2015	1C	22	INR E ;CHANGE TONE
2016	C20920	23	JNZ TONE ;OUTPUT NEW TONE
2019	04	24	INR B ;CHANGE PULSE WIDTH DELAY
201A	C30620	25	JMP MAIN ;OUTPUT NEW TONES
		26	END

PUBLIC SYMBOLS

EXTERNAL SYMBOLS

USER SYMBOLS

DELAY A 200A MAIN A 2006 TONE A 2009

ASSEMBLY COMPLETE, NO ERRORS