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0001 ;
0002 ;          CENTRONICS PRINTER OUTPUT PROGRAM
0003 ;
0004 ;          DEFINE PIO PORTS
0005 ;
(0004) 0006 ADATA: EQU 4
(0005) 0007 BDATA: EQU 5
(0006) 0008 ACTRL: EQU 6
(0007) 0009 BCTRL: EQU 7
0010 ;
0000' 0011 ORG 0C50H
0012 ;
0013 ;          PRINT OUTPUTS A CHARACTER TO THE PRINTER
0014 ;          CONVERTING THE NON-ASCII NASCOM CONTROL
0015 ;          CHARACTERS TO ASCII.
0016 ;
0C50 F5 0017 PRINT; PUSH AF ;SAVE A&F
0C51 FE1D 0018 CP LDH ;IS IT NASCOM BS?
0C53 2002 0019 JR NZ,PI0 ;NO, SKIP
0C55 3E08 0020 LD A,08H ;YES, USE ASCII BS
0C57 FE1E 0021 P10: CP LEH ;IS IT NASCOM FF?
0C59 2002 0022 JR NZ,P20 ;NO, SKIP
0C5B 3E0C 0023 LD A,0CH ;YES, USE ASCII FF
0C5D FE1F 0024 P20: CP LFH ;IS IT NASCOM CR?
0C5F 2002 0025 JR NZ,P30 ;NO, SKIP
0C61 3E0D 0026 LD A,0DH ;THEN CR
0C63 CD680C 0027 P30: CALL PCHAR ;SEND THE CHARACTER
0C66 F1 0028 POP AF ;RESTORE A&F
0C67 C9 0029 RET
0030 ;
0031 ;          PCHAR OUTPUTS A CHARACTER TO THE PRINTER
0032 ;          ENTER WITH THE CHARACTER IN A
0033 ;
0C68 F5 0034 PCHAR: PUSH AF ;SAVE CHARACTER
0C69 3E0F 0035 LD A,0FH ;PIO MODE 0 (OUTPUT)
0C6B D306 0036 OUT ACTRL,A ;SET PORT A
0C6D 3E4F 0037 LD A,4FH ;PIO MODE 1 (INPUT)
0C6F D307 0038 OUT BCTRL,A ;SET PORT B
0C71 DB05 0039 PRDY: IN A,BDATA ;IN FROM PORT B
0C73 17 0040 RLA ;ROTATE BIT 7 INTO CY
0C74 38FB 0041 JR C,PRDY ;WAIT TIL 0
0C76 F1 0042 POP AF ;GET THE CHARACTER BACK
0C77 CBFF 0043 SET 7,A ;SET M.S.BIT
0C79 D304 0044 OUT ADATA,A ;SET IT
0C7B CBBF 0045 RES 7,A ;CLEAR M.S.BIT
0C7D D304 0046 OUT ADATA,A ;SEND IT
0C7F CBFF 0047 SET 7,A ;SET IT AGAIN
0C81 D304 0048 OUT ADATA,A ;SEND IT
0C83 C9 0049 RET ;RETURN TO CALLER
0050 ;
0051 ;          'ECHO' SENDS CHARACTERS TO THE PRINTER
0052 ;          AS WELL AS THE SCREEN.
0053 ;
0C84 CD3B01 0054 ECHO: CALL 013BH ;NORMAL CRT ROUTINE
0C87 C3500C 0055 JP PRINT ;PRINT AND RETURN
0056 ;
0057 ;          NEW VALUE FOR THE $CRT REFLECTION

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