

0001 PP002

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RCSL: 43-GL2607  
AUTHOR: DHA  
EDITED:76.04.01

PP002

# MASTER

; KEYWORD: MUS, DRIVER, RC3665, LISTING.  
; ABSTRACT: DRIVER FOR RC3665 PAPER TAPE PUNCH.  
; ASCII PAPER TAPE RCSL 43-GL2608.  
; REL. BINARY PAPER TAPE RCSL 43-GL2609.

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↑ 0002 PP002
01 000001 .TXTM 1
02 000012 .RDX 10
03 .TITL PP002
04 .NREL
05
06 ; ***** PAPER TAPE PUNCH DRIVER *****
07
08 DC4: ; PROGRAM:
09 00000'140401 1B0+1B1+1B7+1 ; SPECIFICATION
10 00001'000007' DC10 ; START
11 00002'000000 0 ; CHAIN
12 00003'000073 DC0-DC4 ; SIZE
13 .TXT .PTP<0><0>. ; NAME
00004'050124
00005'050000
00006'000000

14
15 00007'126400 DC10: SUB 1,1 ; BREAK:
16 00010'101123 MOVZL 0,0 SNC ; IF -,POWERINT. THEN
17 00011'045030 STA 1 RESERVER,2; RESERVER.CUR:=0;
18 00012'025034 DC11: LDA 1 DCDEVICE,2; START:
19 00013'006170 SETINTERRUPT ; SET INTERRUPT(DEVICE.CUR)
20 00014'006164 NEXTOPERATION ; NEXT OPERATION(MODE,COUNT)
21 00015'006171 SETRESERVATION ; +0: CONTROL,
22 00016'000437 JMP DC15 ; +1: IRR);
23 00017'041033 STA 0 DCMODE,2 ; MODE.CUR:=MODE;
24 DC12: ; NEXT CHAR:
25 00020'025026 LDA 1 ADDRESS,2 ; ADDR:= ADDRESS.CUR;
26 00021'006174 GETBYTE ; GETBYTE(ADDR,CHAR);
27 00022'006173 CONBYTE ; CONBYTE(CHAR);
28 00023'035033 LDA 3 DCMODE,2 ;
29 00024'175005 MOV 3,3 SNR ; IF MODE<>0 THEN
30 00025'000410 JMP DC120 ; BEGIN
31 00026'105320 MOVZS 0,1 ;
32 00027'127004 ADD 1,1 SZR ; PARITY:=PARITY(CHAR);
33 00030'000777 JMP .-1 ;
34 00031'175263 MOVCR 3,3 SNC ; IF MODE=EVEN THEN
35 00032'177240 ADDOR 3,3 ; PARITY:=-,PARITY;
36 00033'175300 MOVS 3,3 ; CHAR:=CHAR ADD PARITY SHI
37 00034'163000 ADD 3,0 ; END;
38 00035'005037 DC120:JSR DCDOAS,2 ; DOAS.CUR(CHAR);
39 00036'025034 LDA 1 DCDEVICE,2;
40 00037'030113 → LDA 2 .32 ;
41 00040'006003 WAITINTERRUPT ; WAITINTERRUPT(DEVICE.CUR,
42 00041'000411 JMP DC14 ; +0: TIMER;
43 00042'011026 ISZ ADDRESS,2 ; INCR(ADDRESS.CUR);
44 00043'015027 DSZ COUNT,2 ; IF DECR(COUNT.CUR)<>0 THE
45 00044'000754 JMP DC12 ; GOTO NEXT CHAR;
46 00045'005035 JSR DCDIA,2 ; DIA.CUR(WORD);
47 00046'020114 LDA 0 SEM ;
48 00047'125202 MOVR 1,1 SZC ; IF WORD(15)=1 THEN
49 00050'000403 JMP DC141 ; GOTO RETURN ANSWER(EM);
50 DC13: ; DONE:
51 00051'102401 SUB 0,0 SKP ; STATUS:= 0, OR
52 DC14: ; TIMER:
53 00052'020117 LDA 0 STIMER ; STATUS:= TIMER;
54 00053'006165 DC141:RETURNANSWER ; RETURN ANSWER(STATUS);
55 00054'000736 JMP DC11 ; GOTO START;

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↑ 0003 PP002

01		DC15:		; CONTROL:
02				; SET RESERVATION(MODE);
03	00055'006172	SETCONVERSION		; SET CONVERSION(MODE);
04	00056'101005	MOV	0,0 SNR	; IF MODE=0 THEN
05	00057'000772	JMP	DC13	; GOTO DONE;
06	00060'034111	LDA	3 .128	
07	00061'055027	STA	3 COUNT,2	; COUNT.CUR:=128;
08		DC16:		; REPEAT
09	00062'102400	SUB	0,0	
10	00063'005037	JSR	DCDOAS,2	; DOAS.CUR(0);
11	00064'025034	LDA	1 DCDEVICE,2;	
12	00065'030113	LDA	2 .32	
13	00066'006003	WAITINTERRUPT		; WAITINTERRUPT(DEVICE.CUR
14	00067'000763	JMP	DC14	; +0: TIMER;
15	00070'015027	DSZ	COUNT,2	; UNTIL COUNT=0;
16	00071'000771	JMP	DC16	
17	00072'000757	JMP	DC13	; GOTO DONE;

512  
→

32 \* 20 mms  
640

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↑ 0004 PP002
01          DC0:                ; PROCESS DESCRIPTOR:
02 00073'000000                ; NEXT
03 00074'000000                ; PREV
04 00075'000000                ; CHAIN
05 00076'000041                ; SIZE
06          .TXT .PTP<0><0>.    ; NAME
      00077'050124
      00100'050000
      00101'000000
07 00102'000102'              DC0+EVENT ; FIRST EVENT
08 00103'000102'              DC0+EVENT ; LAST EVENT
09 00104'000000                0      ; BUFFER
10 00105'000000'              DC4      ; PROGRAM
11 00106'000000                0      ; STATE
12 00107'000000                0      ; TIMER COUNT
13 00110'100000                1B0    ; PRIORITY
14 00111'000007'              DC10    ; BREAK ADDRESS
15 00112'000073'              DC0     ; AC0
16 00113'000000                0      ; AC1
17 00114'000073'              DC0     ; AC2
18 00115'000000                0      ; AC3
19 00116'000016"              DC10*2  ; PSW
20 00117'000000                0      ; SAVE
21          ; OPTIONAL:
22 00120'000000                0      ; BUF
23 00121'000000                0      ; ADDRESS
24 00122'000000                0      ; COUNT
25 00123'000000                0      ; RESERVER = 0
26 00124'000000                0      ; CONVERSION TABLE = 0
27 00125'100166                CLEAR  ; CLEAR INTERRUPT
28          000033 DCMODE=.-DC0 ; MODE
29 00126'000000                0      ;
30          000034 DCDEVICE=.-DC0 ;
31 00127'000013                PTP    ; DEVICE = PTP
32          000035 DCDIA=.-DC0   ;
33 00130'064413                DIA 1 PTP ; DIA(PTP,AC1)
34 00131'001400                JMP    +0,3 ; RETURN
35          000037 DCDOAS=.-DC0  ;
36 00132'061113                DOAS 0 PTP ; DOAS(PTP,AC0)
37 00133'001400                JMP    +0,3 ; RETURN;
38          DC2:                ; TOP OF PROCESS DESCRIPTOR:
39
40          ; ***** END OF PAPER TAPE PUNCH DRIVER *****
41
42          000073'.END DC0

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0005 PP002

DC0	000073'	2/12	4/01	4/05	4/07	4/08	4/15	4/1
		4/30	4/32	4/35	4/42			
DC10	000007'	2/10	2/15	4/14	4/19			
DC11	000012'	2/18	2/55					
DC12	000020'	2/24	2/45					
DC120	000035'	2/30	2/38					
DC13	000051'	2/50	3/05	3/17				
DC14	000052'	2/42	2/52	3/14				
DC141	000053'	2/49	2/54					
DC15	000055'	2/22	3/01					
DC16	000062'	3/08	3/16					
DC2	000134'	4/05	4/38					
DC4	000000'	2/08	2/12	4/10				
DCDEV	000034	2/18	2/39	3/11	4/30			
DCDIA	000035	2/46	4/32					
DCDOA	000037	2/38	3/10	4/35				
DCMOD	000033	2/23	2/28	4/28				