

DR11A

SLAVE

MD-11-DZDRE-A
DUAL (DR11A INTERFACE)

EP-DZDRE-A-DL

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FICHE 1 OF 1

MAY 1978

digital

MADE IN USA



IDENTIFICATION

PRODUCT CODE: MAINDEC-11-DZDRE-A-D
PRODUCT NAME: SLAVE (DUAL DR11A INTERFACE)
DATE CREATED: DECEMBER 19, 1972
MAINTAINER: IPG CUSTOM SYSTEMS
AUTHOR: R. BALDWIN

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;
;
;SLAVE PDP-11 AND DR11-A EXERCISER
;THE SLAVE VERISION WAITS TO ACCEPT DATA
;AND RETURN DATA TO THE MASTER
;
;

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```

167770
000240
177776
000240
000004
000005
167772
167774
000006

000300
001022
000200

000304
001100
000200
000200
002000
012706 000000
000167 000070

001000
001006
001014
001016
001022
001024
001030
001034
001036
001042
001020 170770
000140 166754
000240
000167 177772
000240
016704 166744
005267 000050
001375
010467 166730
000167 000000

```

```

CSR=167770
NOP=240
PSTAT=177776
DRL=240
R4=X4
R5=X5
DBR=167772
DIT=167774
R6=X6

;DATA BUFFER REGISTER
;DATA INPUT TRANSMITTER,CLEAR A REQUEST

;ENABLE INTERRUPT A+B AND WAIT FOR DATA TO BE
;RECIEVED

;
;INTA ,=300 ;GO TO INT A ROUTINE
INTA 000200
;
;INTB ,=304 ;GO TO INT B ROUTINE
INTB 000200
;
START: MOV ,=200
JMP #000,X6 BEGIN
;
;
BEGIN: MOV ,=1000
MOV #200,PSTAT ;SET PROCESSOR TO LEVEL 4
MOV #140,CSR ;ENABLE INT A+B
NOP ;WAIT FOR INT A
JMP ,=2

;READ DATA WAIT ONE LOOP AND SEND DATA BACK
INTA: NOP
MOV DIT,X4 ;READ DATA INTO REGISTER 4
INC COUNT ;STALL 1 LOOP
BNE ,=4
MOV X4,DBR ;SEND DATA BACK
JMP BEGIN ;GO WAIT FOR INT B

```

;;

001046	012767	220200	176722	BEGINA: MOV	#200,PSTAT	;SET PRIORITY TO 4
001054	012767	177779	200024	MOV	#=3,COUNT1	
001062	005267	000010		INC	COUNT	;START TIME OUT LOOP
001066	001375			BNE	,=4	
001070	005267	220012		INC	COUNT1	
001074	001372			BNE	,=12	
001076	000000			HALT		;SLAVE FAILED TO RECIEVE INTB

;

001100	000167	177074		INTB: JMP	START	
001104	000000			COUNT: 0		
001106	000000			COUNT1: 0		
	000001					,END

BEGIN 001000
BEGINA 001040
COUNT 001104
COUNT1 001106
CSR 167770
DBR 167772
DIT 167774
DRL 000240
INTA 001022
INTB 001100
NOP 000240
PSTAT 177776
R4 000004R
R5 000005R
R6 000006R
START 000200

ERRORS DETECTED: 0

RUN-TIME: 0 SECONDS

4K CORE USED