

# 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 POP=11 AND DR11=A EXERCISER
;THE SLAVE VERSION WAITS TO ACCEPT DATA
;AND RETURN DATA TO THE MASTER
;
;

```

167778  
202248  
177776  
200248  
002024  
300005  
167772  
167774  
200026

CSR=167778  
NOP=247  
PSTAT=177776  
DRL=248  
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
;RECEIVED
;

```

220300 000320  
020302 001022  
020302 000200

```

;
;
;INTA ,=302 GO TO INT A ROUTINE
INTA 000220
;

```

320304 000324  
320306 001120  
320306 000220  
320306 000200

```

;
;
;INTB ,=324 GO TO INT B ROUTINE
INTB 000200
;

```

320200 012706 000000  
320204 000167 000250

```

;
;
;START: MOV ,=200
; JMP #002,X6 BEGIN
;
;

```

321000 012767 000200 176778  
321006 012767 000140 166754  
321014 000248  
321016 000167 177772

```

;
;
;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
;

```

321022 000248  
321024 016734 166744  
321030 005267 000050  
321034 001375  
321036 010467 166730  
321042 000167 000000

```

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

```

;;

021046	12767	222222	176722	BEGINA: MOV	#200, #STAT	ISPT PRIORITY TO 4
021054	12767	177779	200224	MOV	#3, COUNT1	
021062	05267	200210		INC	COUNT	START TIME OUT LOOP
021066	01375			BNE	,=4	
021070	05267	222012		INC	COUNT1	
021074	01372			BNE	,=12	
021076	00000			HALT		SLAVE FAILED TO RECIEVE INTR

|  
|  
|

021100	000167	177074		INTB: JMP	START	
021124	000020			COUNT1	0	
021126	000000			COUNT1:	0	
	000021					,END

BEGIN J01020  
BEGINA 001040  
COUNT 301104  
COUNT1 301106  
CSR 107770  
DBR 107772  
DIT 107774  
DRL 000240  
INTA J01022  
INTB 301100  
VCP 200240  
PSTAT 177770  
R4 000004R  
R5 000005R  
R6 000006R  
START 002220

ERRORS DETECTED: 0

RUN-TIME: 0 SECONDS

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