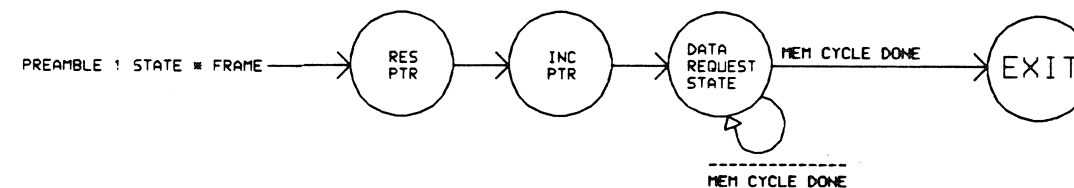
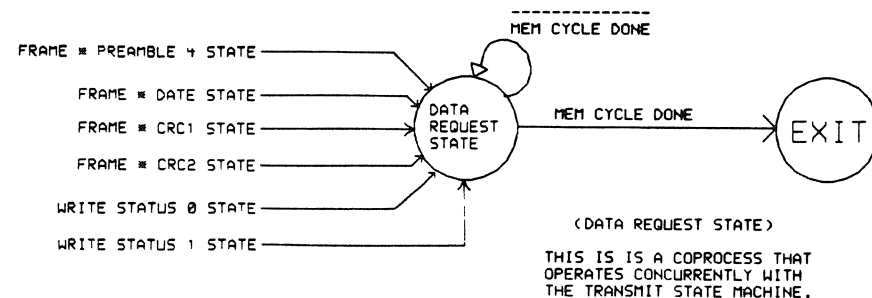
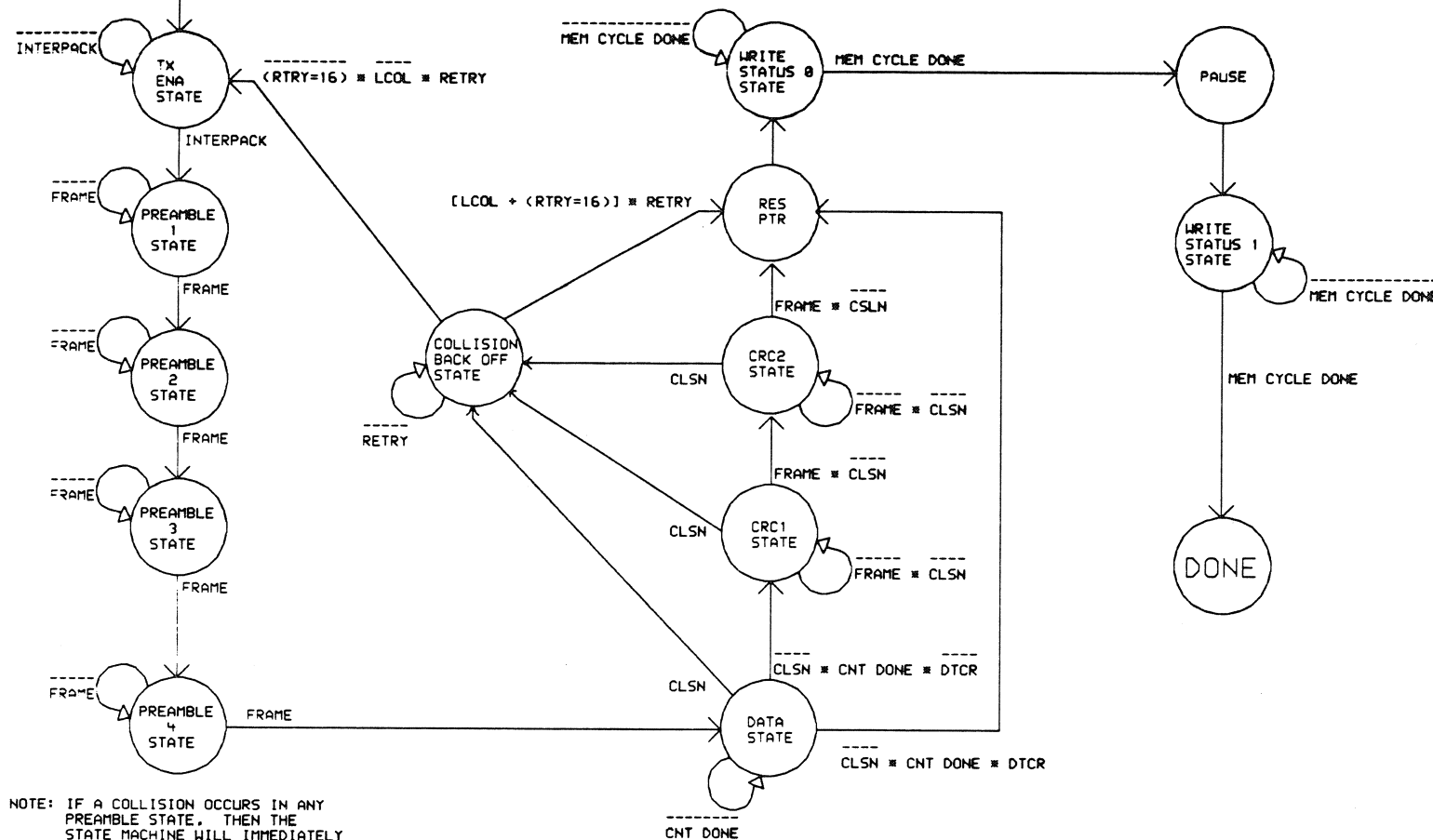


ON * TATT



TRANSMIT STATE MACHINE INPUTS

PROCESS STATE	REFERENCE SIGNAL	REFERENCE PIN
INTERPACK	LNKL INTERPACK L	E92-19
ON	LNKN ON H	E110-2
TATT	LNKH STATT H	E81-5
FRAME	LNKJ TX FRAME H	E87-8
CSLN	LNKH SYNC CLSN H	E81-12
RETRY	LNKN RETRY H	E61-15
RTRY	LNKK RTRY H	E21-15
CNT DONE	LNKN TX CNT DONE L	E61-12
MEM CYCLE DONE	LNKN TX MEM CYCDN H	E41-2
DTCR	LNKN DTCR H	E93-7

TRANSMIT STATE MACHINE OUTPUTS

PROCESS STATE	REFERENCE SIGNAL	REFERENCE PIN
TX ENA STATE	LNKL TX ENA STATE L	E49-12
TX PREAMBLE 1 STATE	LNKL PREAM 1 STATE L	E49-13
	LNKL TX LEN REQ L	E36-17
TX PREAMBLE 2 STATE	LNKL PREAM 2 STATE L	E49-14
TX PREAMBLE 3 STATE	LNKL PREAM 3 STATE L	E49-15
TX PREAMBLE 4 STATE	LNKL PREAM 4 STATE L	E49-16
DATA STATE	LNKL TX DATA STATE L	E49-18
	LNKL TX ENA CRC L	E36-15
	LNKL SEL TX DATA L	E36-16
CRC 1 STATE	NONE - LOW ASSERTED	E51-12
CRC 2 STATE	NONE - LOW ASSERTED	E51-13
RES PTR STATE	LNKL RES TX PNTR L	E38-8
INC PTR STATE	LNKN INC TX PNTR L	E41-12
WRITE STATUS 0 STATE	LNKL TX WR STAT0 L	E51-15
WRITE STATUS 1 STATE	LNKL TX WR STAT1 L	E51-16
DATA REQUEST STATE	LNKL TX REQUEST H	E62-12
	PP TX ACK L	PORT
	BUS READ H	E100-6
DONE	LNKN TX MEM CYCDN H	E41-2
	LNKL TX DONE L	E51-18

TRANSMIT STATE MACHINE-LNKL
STATE DIAGRAM-1

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REVISIONS		
CHK	CHANGE NO.	REV

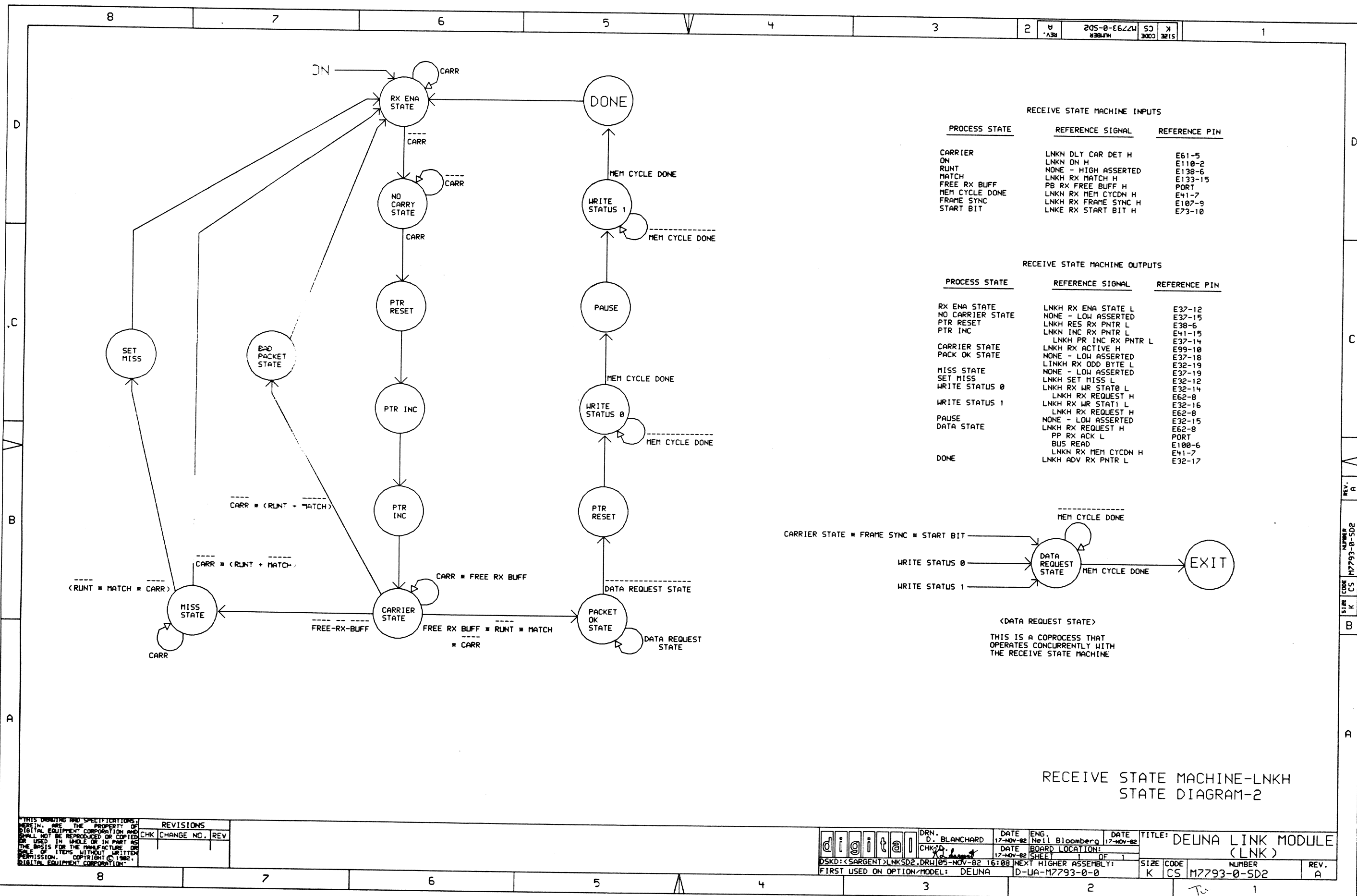
digital
DRN. D. BLANCHARD
CHKD. *[Signature]*

DATE 17-NOV-82
ENG. Neil Bloomberg
DATE 17-NOV-82
BOARD LOCATION: 1
SHEET 1 OF 1

DSKD: (SARGENT) LNKS01.DRW 05-NOV-82 16:08
FIRST USED ON OPTION MODEL: DEUNA D-UA-M7793-0-0

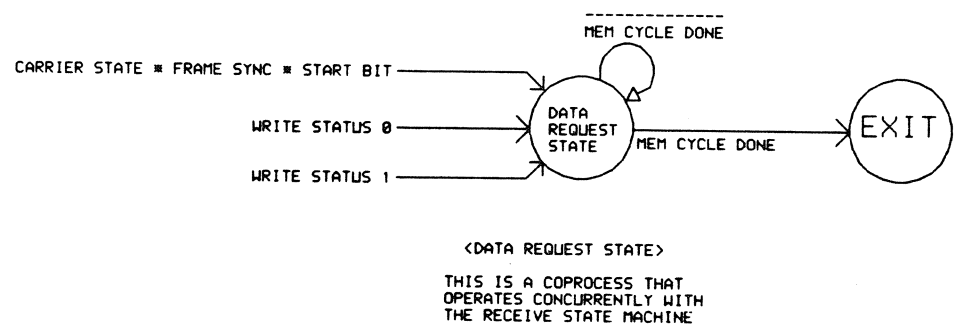
TITLE: DEUNA LINK MODULE
(LNKL)

SIZE CODE NUMBER REV.
K CS M7793-0-SD1 A

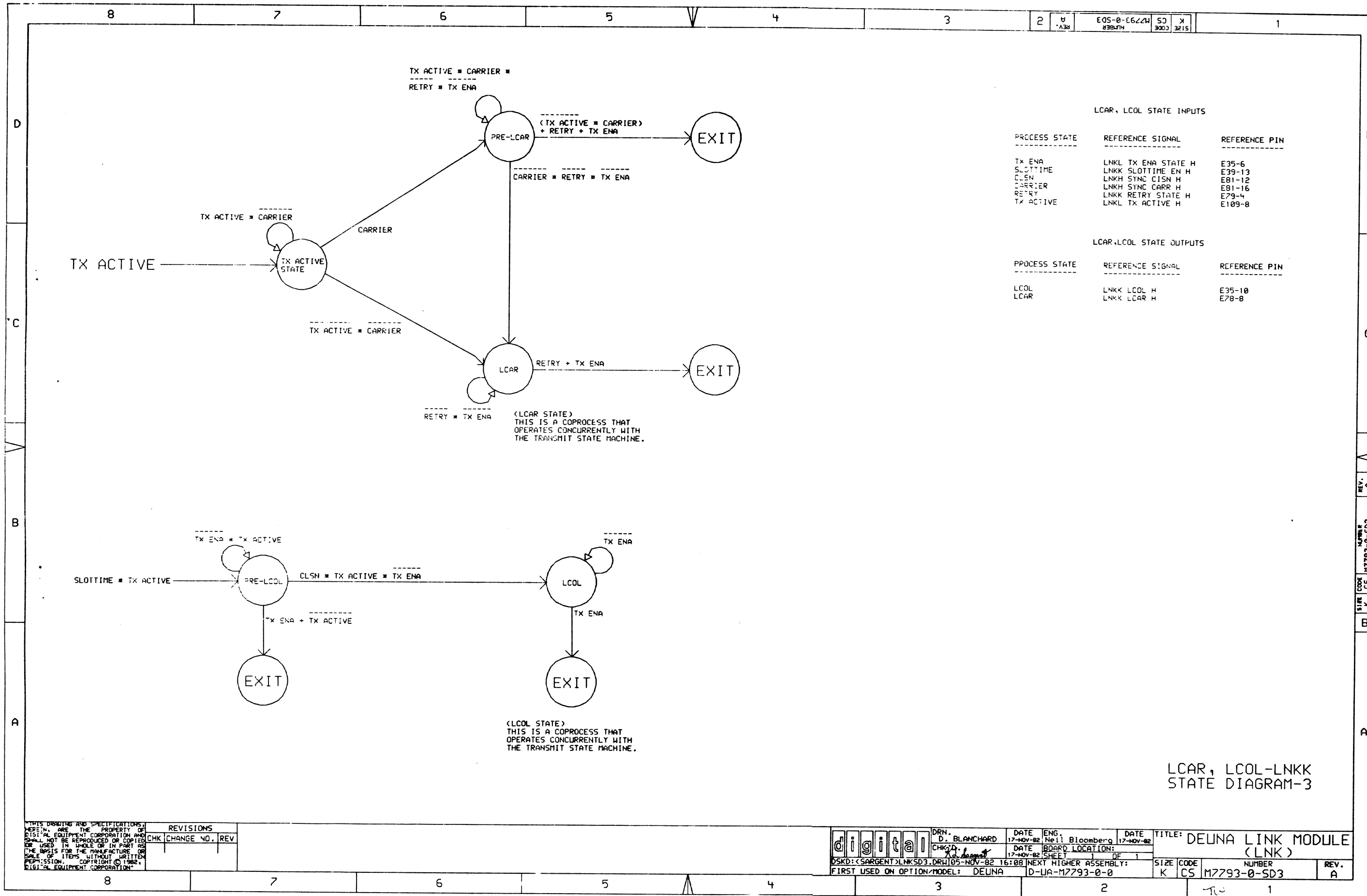


RECEIVE STATE MACHINE INPUTS		
PROCESS STATE	REFERENCE SIGNAL	REFERENCE PIN
CARRIER	LNKH DLY CAR DET H	E61-5
ON	LNKH ON H	E110-2
RUNT	NONE - HIGH ASSERTED	E138-6
MATCH	LNKH RX MATCH H	E133-15
FREE RX BUFF	PB RX FREE BUFF H	PORT
MEM CYCLE DONE	LNKH RX MEM CYCDN H	E41-7
FRAME SYNC	LNKH RX FRAME SYNC H	E107-9
START BIT	LNKE RX START BIT H	E73-10

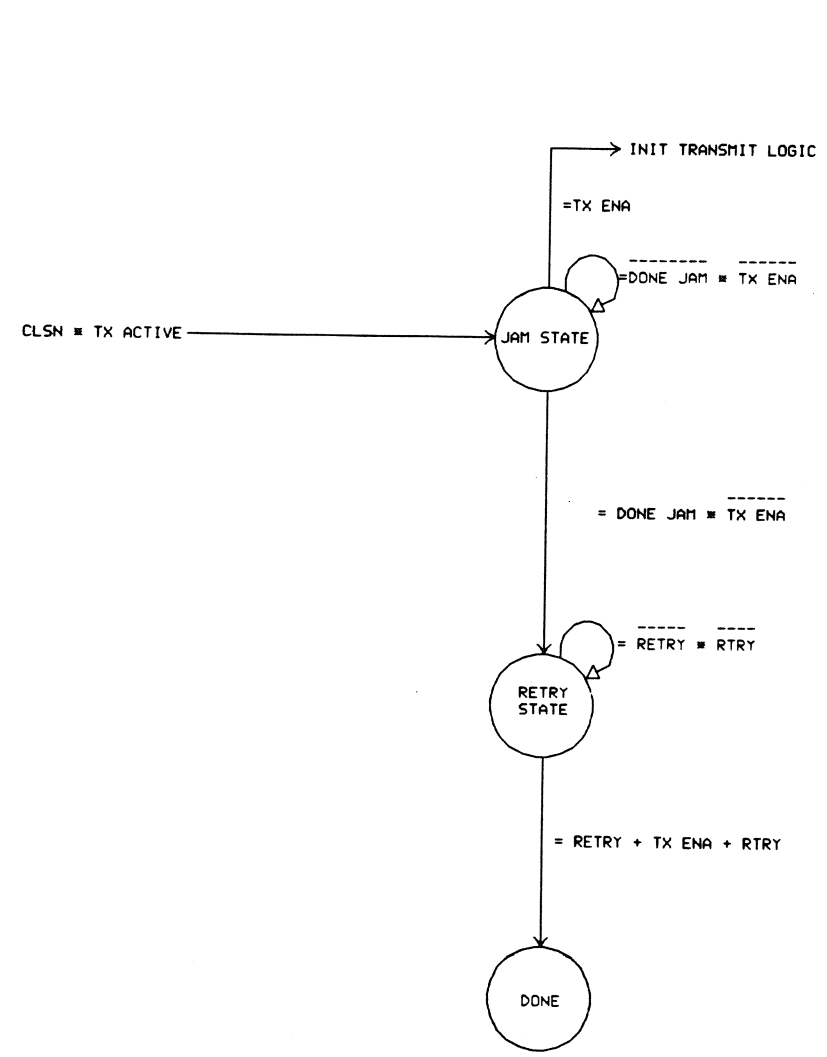
RECEIVE STATE MACHINE OUTPUTS		
PROCESS STATE	REFERENCE SIGNAL	REFERENCE PIN
RX ENA STATE	LNKH RX ENA STATE L	E37-12
NO CARRIER STATE	NONE - LOW ASSERTED	E37-15
PTR RESET	LNKH RES RX PNTR L	E38-6
PTR INC	LNKH INC RX PNTR L	E41-15
	LNKH PR INC RX PNTR L	E37-14
CARRIER STATE	LNKH RX ACTIVE H	E99-10
PACK OK STATE	NONE - LOW ASSERTED	E37-18
	LNKH RX ODD BYTE L	E32-19
MISS STATE	NONE - LOW ASSERTED	E37-19
SET MISS	LNKH SET MISS L	E32-12
WRITE STATUS 0	LNKH RX WR STAT0 L	E32-14
	LNKH RX REQUEST H	E62-8
WRITE STATUS 1	LNKH RX WR STAT1 L	E32-16
	LNKH RX REQUEST H	E62-8
PAUSE	NONE - LOW ASSERTED	E32-15
DATA STATE	LNKH RX REQUEST H	E62-8
	PP RX ACK L	PORT
	BUS READ	E100-6
	LNKH RX MEM CYCDN H	E41-7
DONE	LNKH ADV RX PNTR L	E32-17



RECEIVE STATE MACHINE-LNKH
STATE DIAGRAM-2



LCAR, LCOL-LNKK
STATE DIAGRAM-3



COLLISION BACK OFF STATE INPUTS

PROCESS_STATE	REFERENCE_SIGNAL	REFERENCE_PIN
TX ENA	LNKL TX ENA STATE H	E35-6
CISN	LNKH SYNC CISN H	E81-12
DONE JAM	LNKK COLLISION JAM H	E40-13
RETRY	LNKN RETRY H	E61-15
RTRY	LNKK RTRY H	E21-15

COLLISION BACK OFF STATE OUTPUTS

PROCESS_STATE	REFERENCE_SIGNAL	REFERENCE_PIN
RETRY STATE	LNKK RETRY STATE L	E50-18
JAM STATE	LNKK JAM STATE L	E50-17
	LNKK RETRY INIT L	E50-19

DEFINITIONS

RTRY: FAILURE TO TRANSMIT IN 16 ATTEMPTS DUE TO COLLISION

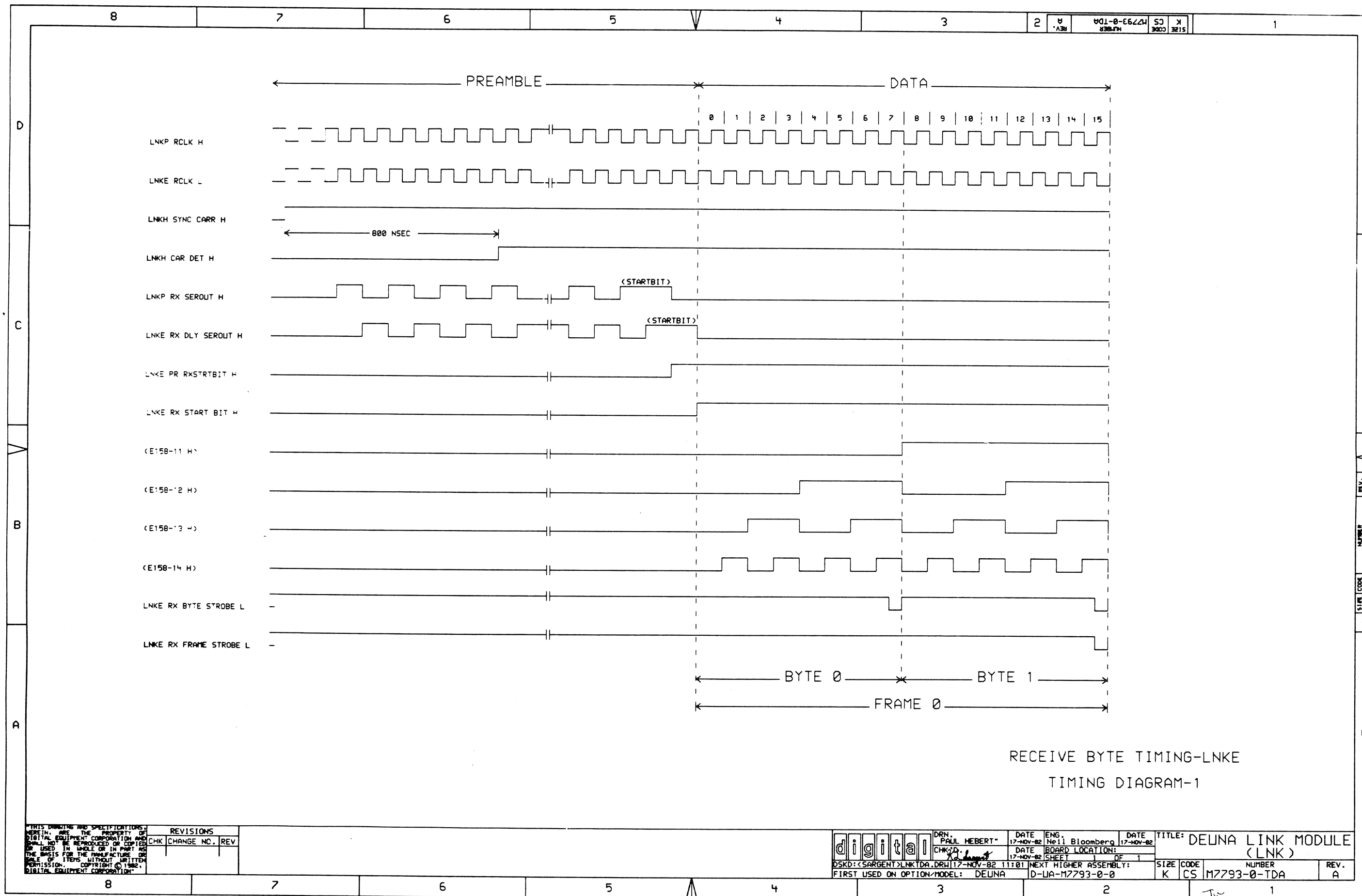
RETRY: PROPER NUMBER OF SLOTTIMES HAS ELAPSED. TIME TO RETRANSMIT

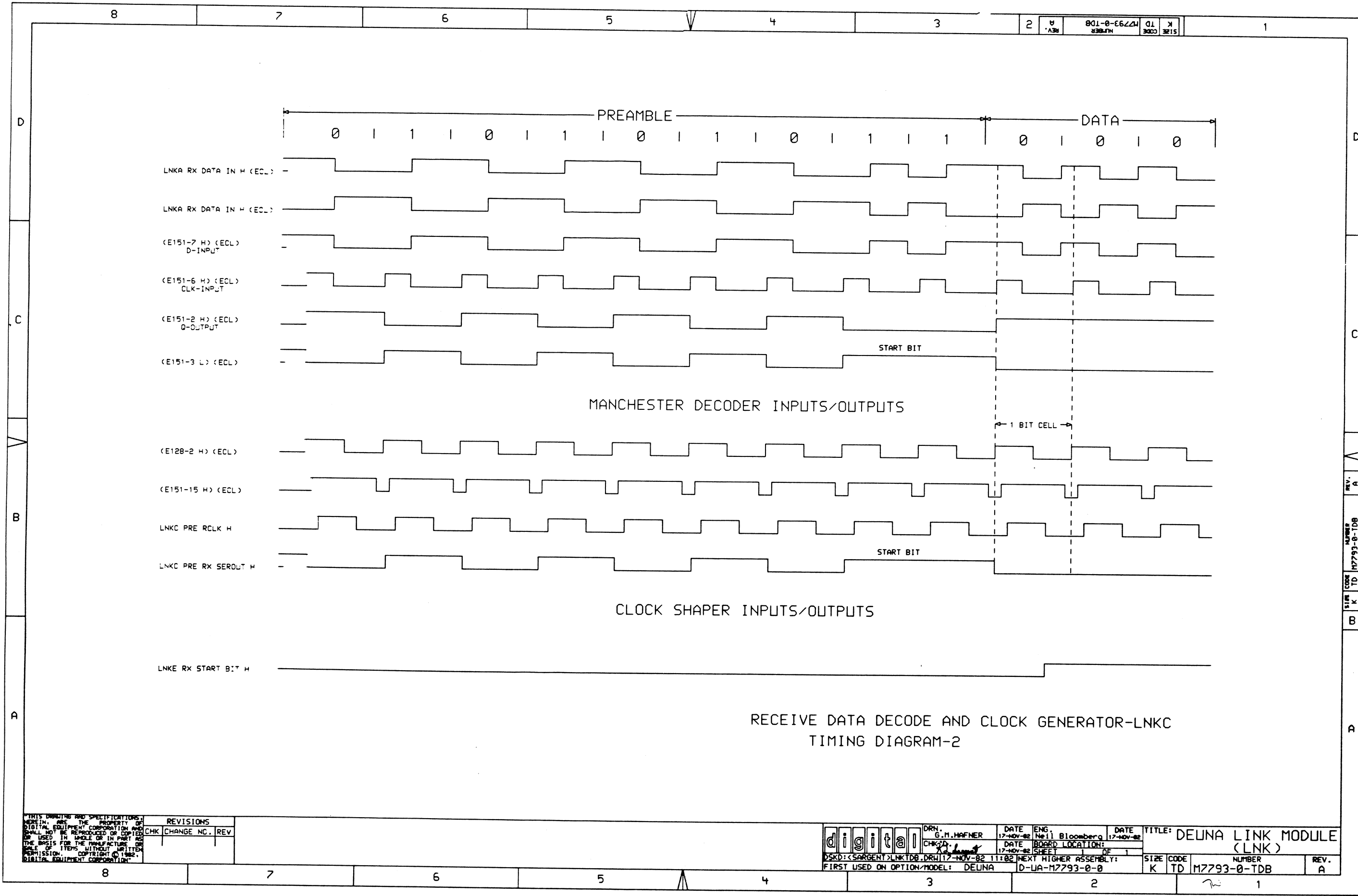
DONE JAM: TELLS JAM STATE 32 BITS HAVE ELAPSED STOP JAMMING

COLLISION BACK OFF STATE-LNKK
STATE DIAGRAM-4

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CHK	CHANGE NO.	REV

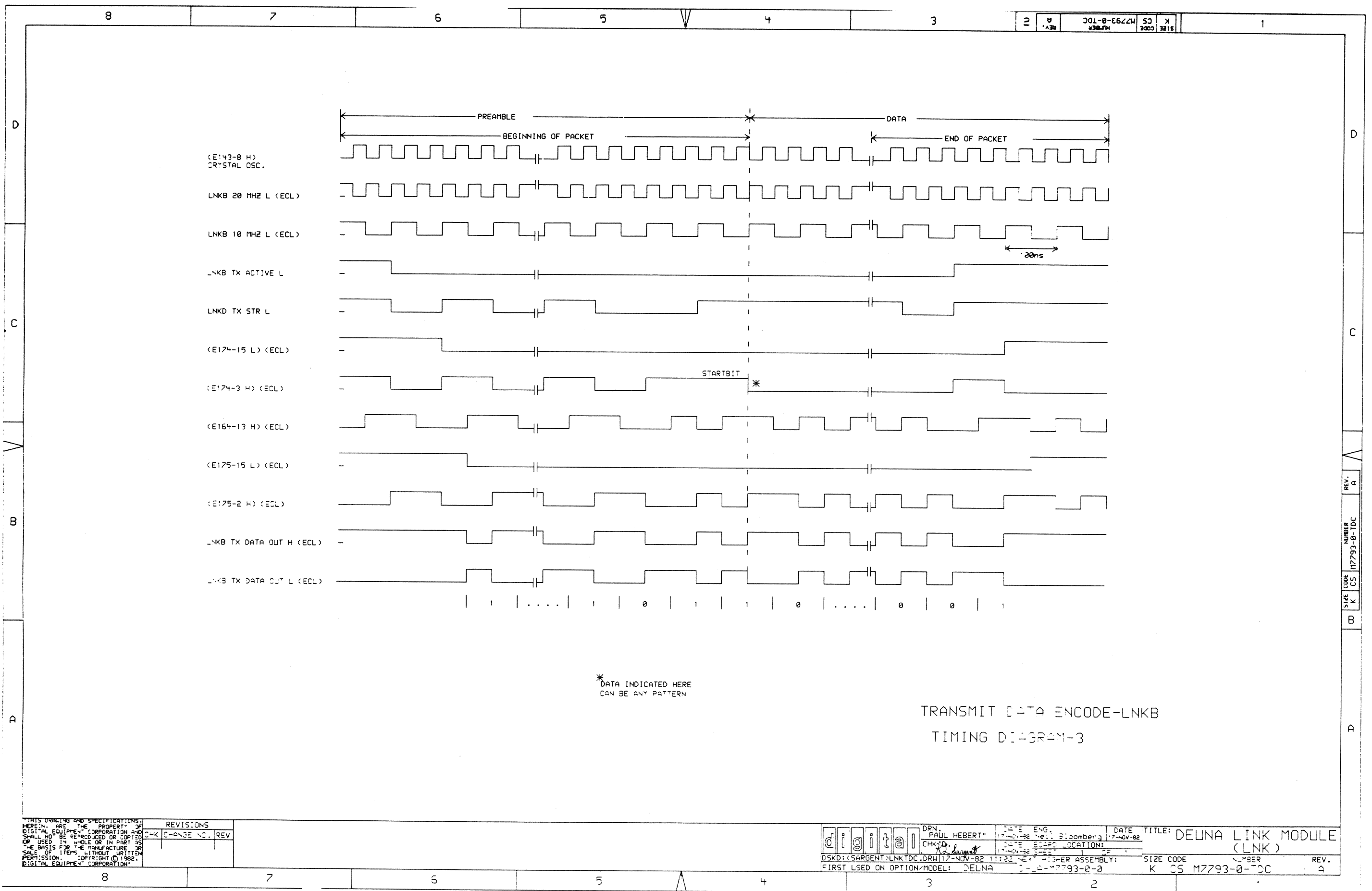


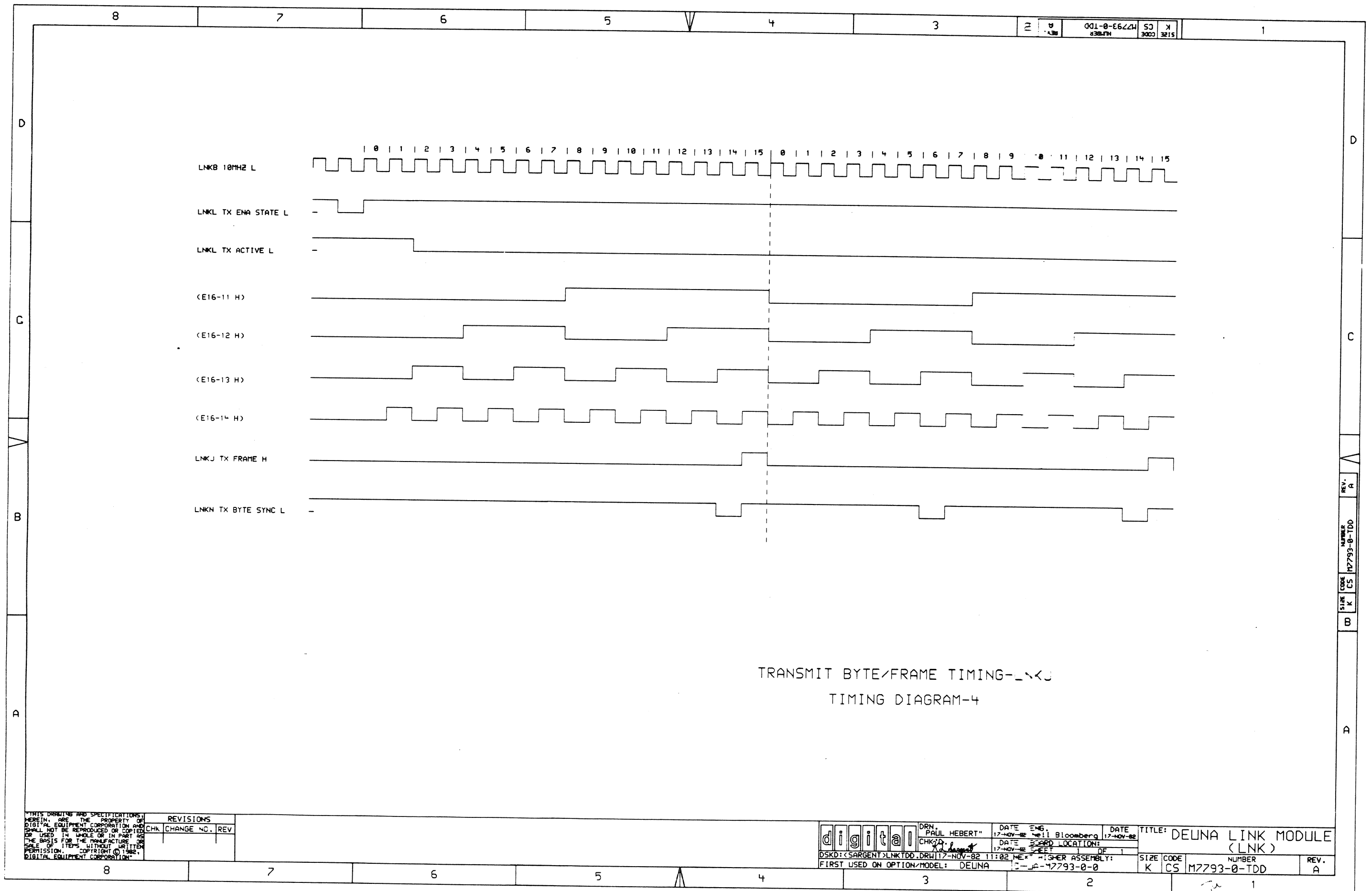


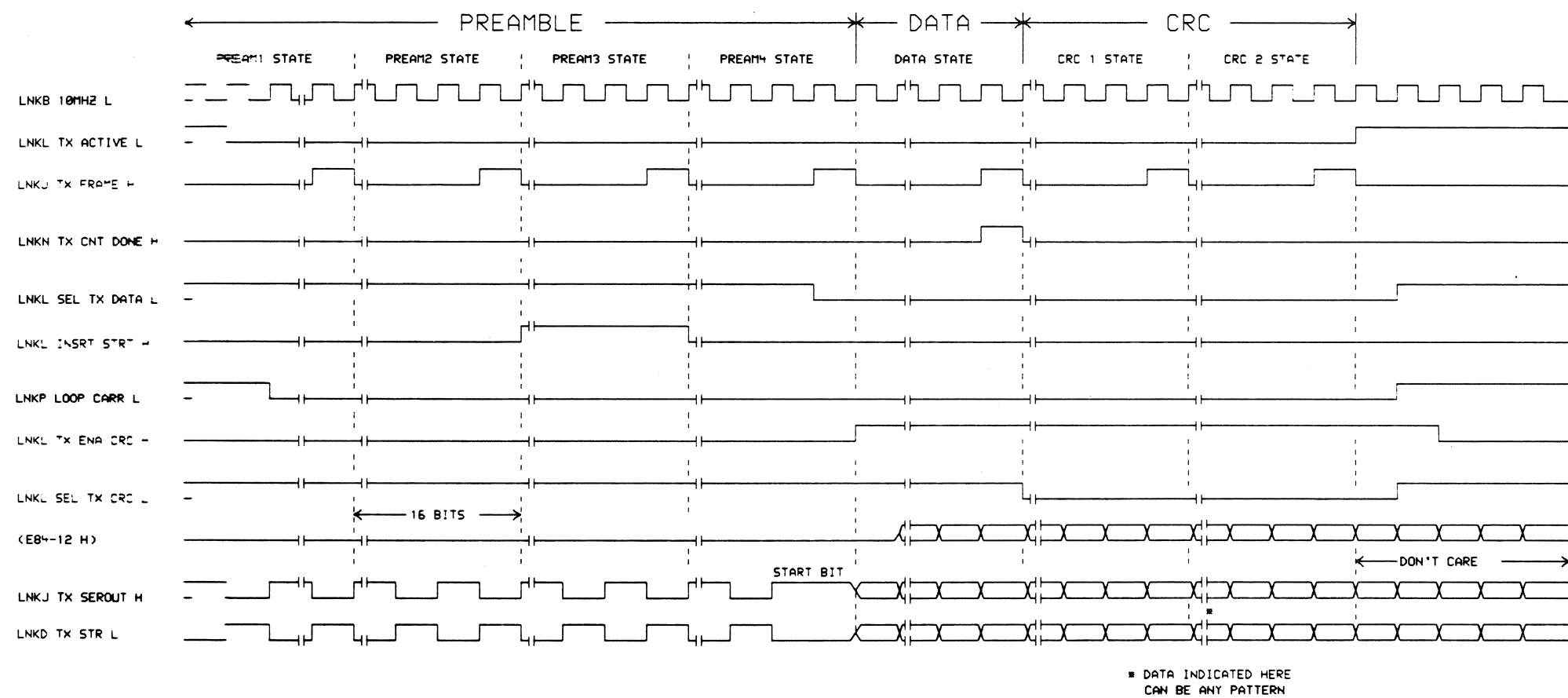
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REVISIONS		
CHK	CHANGE NO.	REV

digital	DRN. G.M. HAFNER	DATE 17-NOV-82	ENG. Neil Bloomberg	DATE 17-NOV-82	TITLE: DEUNA LINK MODULE (LNK)
	CHK'D. [Signature]	DATE 17-NOV-82	BOARD LOCATION: 1 OF 1		
DSKD: (SARGENT) LNKTDB.DRW		17-NOV-82 11:02	NEXT HIGHER ASSEMBLY: D-LA-M7793-0-0		
FIRST USED ON OPTION/MODEL: DEUNA		SIZE CODE K TD		NUMBER M7793-0-TDB	REV. A





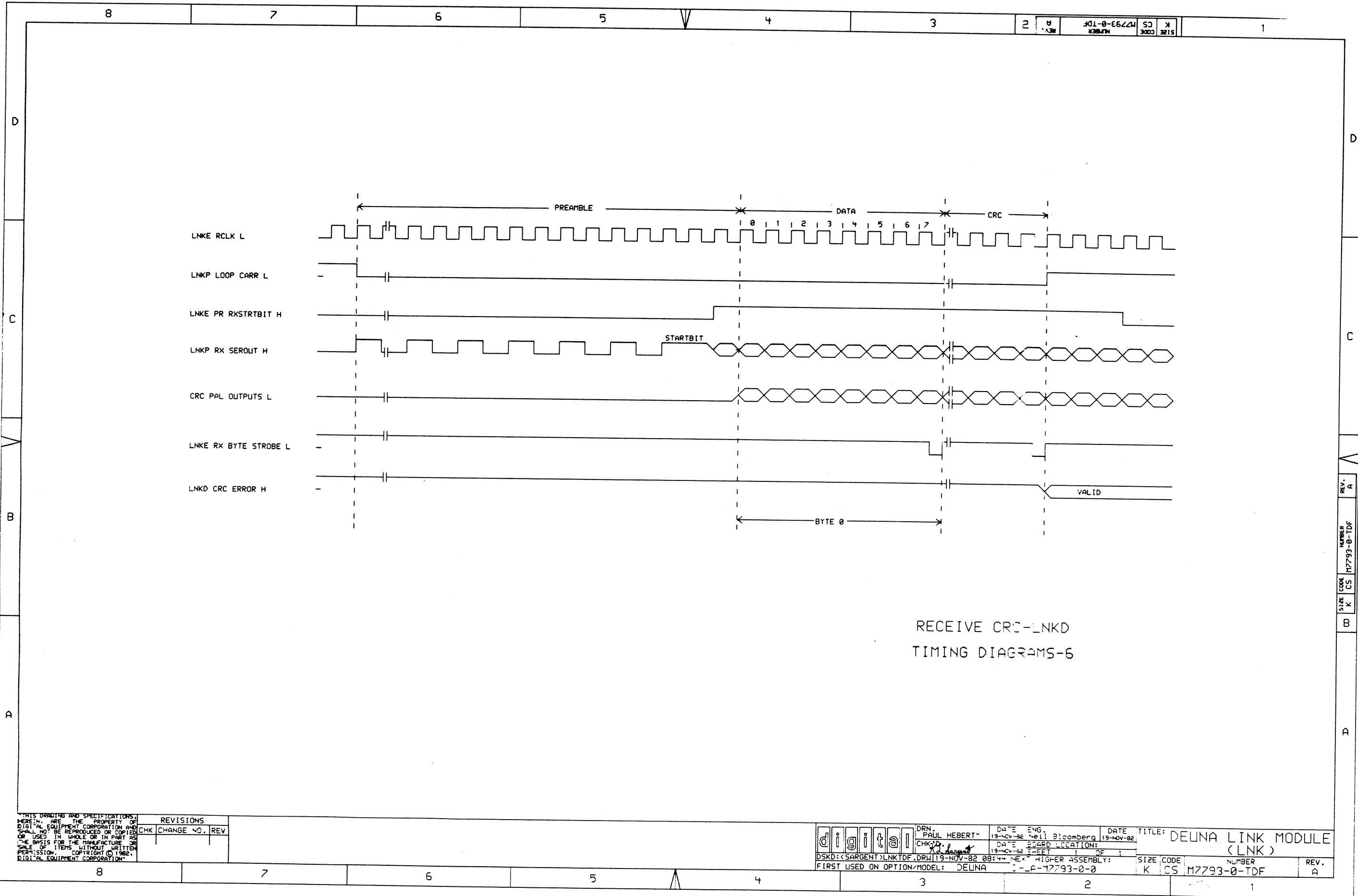


TRANSMIT BIT STREAM-LNKD
TIMING DIAGRAM-5

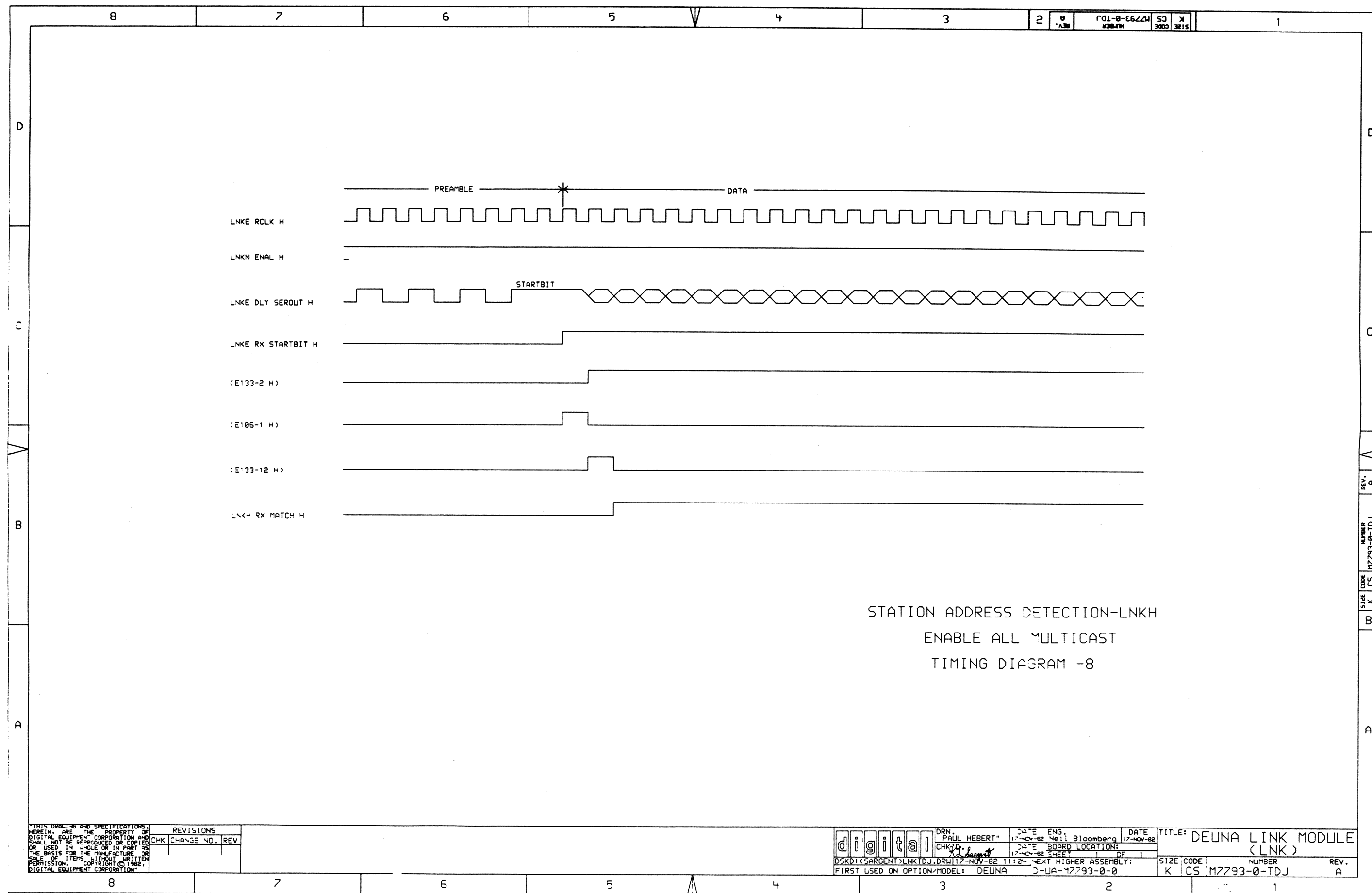
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REVISIONS		
CHK	CHANGE NO.	REV

digital	DRN.	DATE	ENG.	DATE	TITLE:
	CARLSON	17-NOV-82	Neil Bloomberg	17-NOV-82	
	CHK'D.	DATE	BOARD LOCATION:		(LNK)
	<i>X. J. ...</i>	17-NOV-82	SHEET 1 OF 1		
DSKD:<SARGENT>LNK.TDE.DRW 17-NOV-82 11:02			NEXT HIGHER ASSEMBLY:		SIZE
FIRST USED ON OPTION:MODEL: DEUNA			D-UA-M7793-0-0		CODE
					NUMBER
					REV.
					A



RECEIVE CRC-LNKD
TIMING DIAGRAMS-6



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CHK	CHANGE NO.	REV

digital

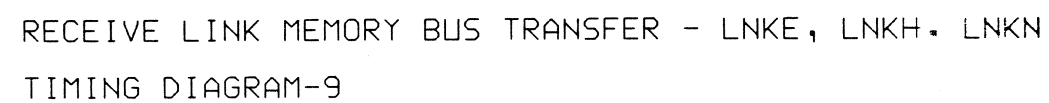
DRN. PAUL HEBERT
CHKD. *[Signature]*

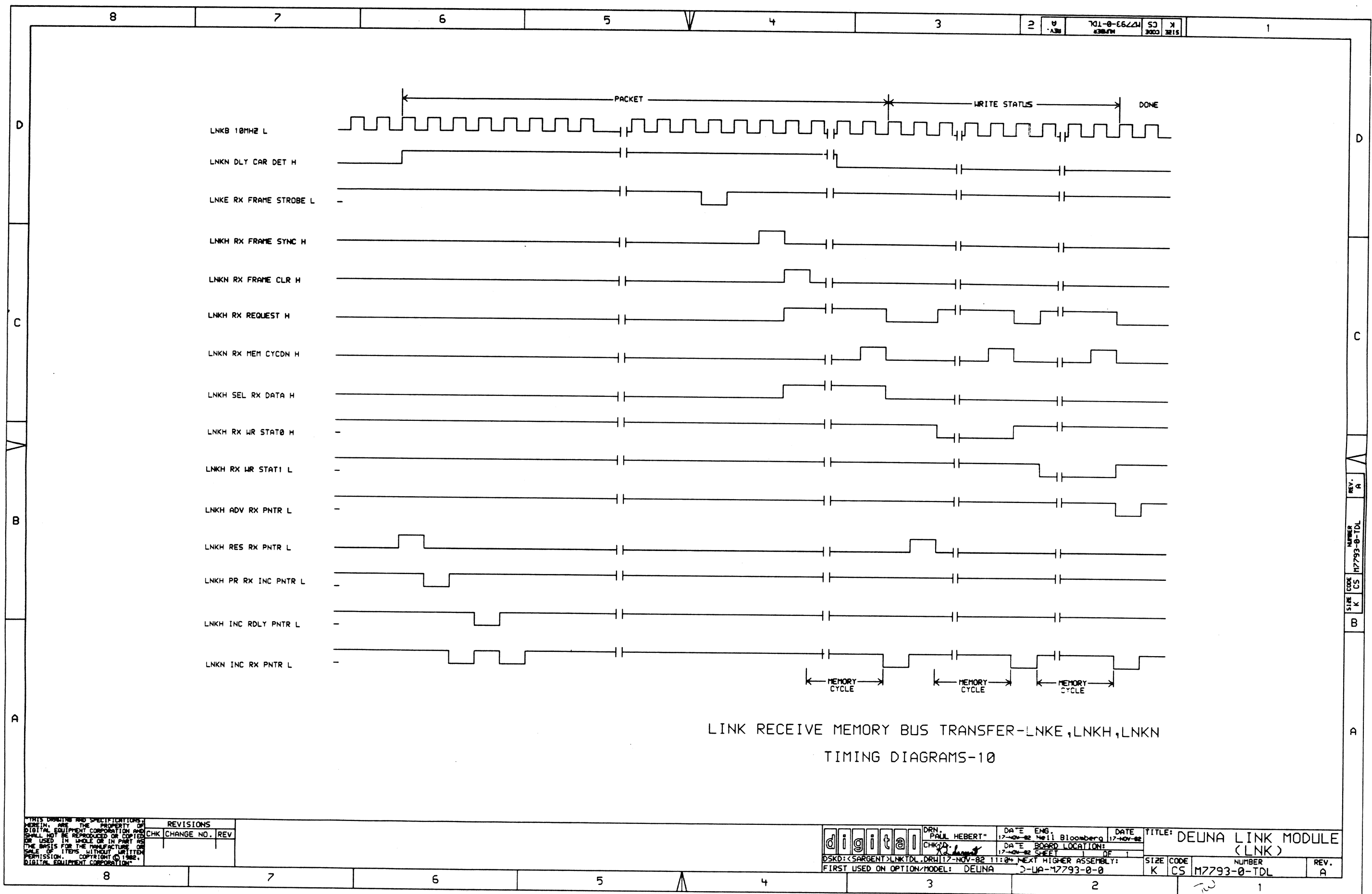
DATE ENG. 12-NOV-82 Neil Bloomberg
DATE BOARD LOCATION: 12-NOV-82 SHEET 1 OF 1

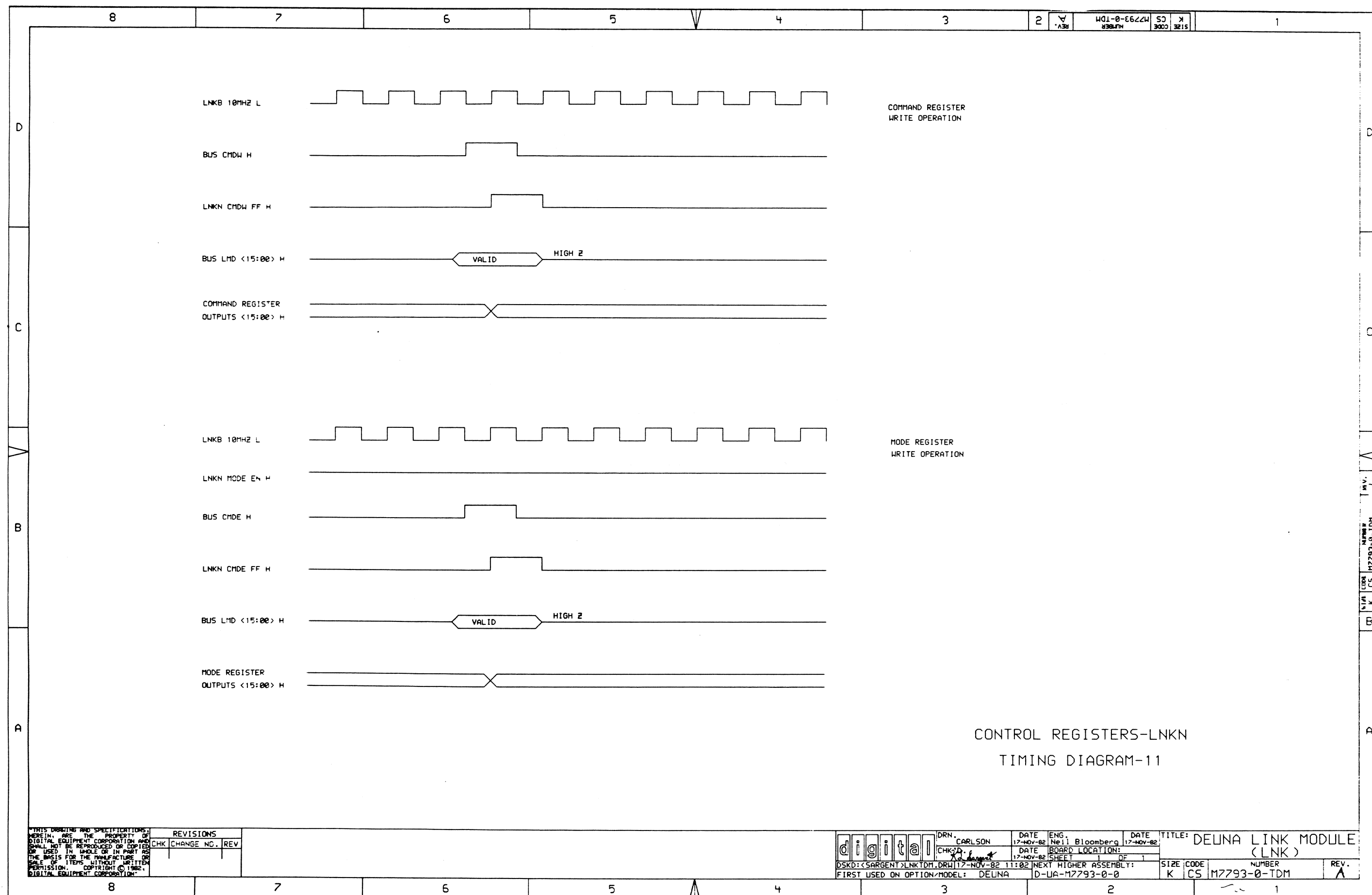
TITLE: DEUNA LINK MODULE (LNK)

DSKD: <SARGENT>LNKTDJ.DRW 12-NOV-82 11:03- NEXT HIGHER ASSEMBLY: FIRST USED ON OPTION/MODEL: DEUNA D-UA-17793-0-0

SIZE CODE K CS NUMBER M7793-0-TDJ REV. A



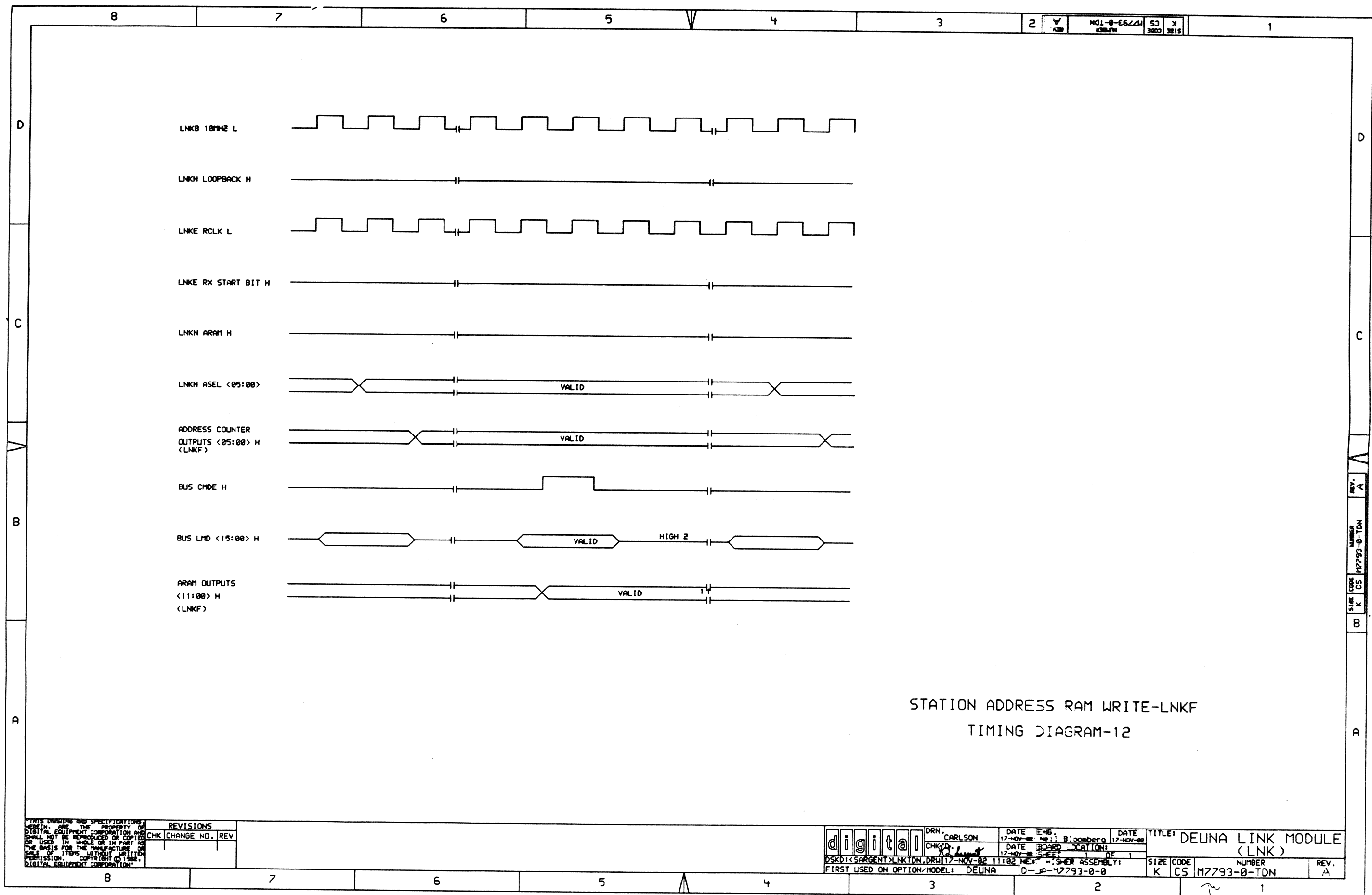


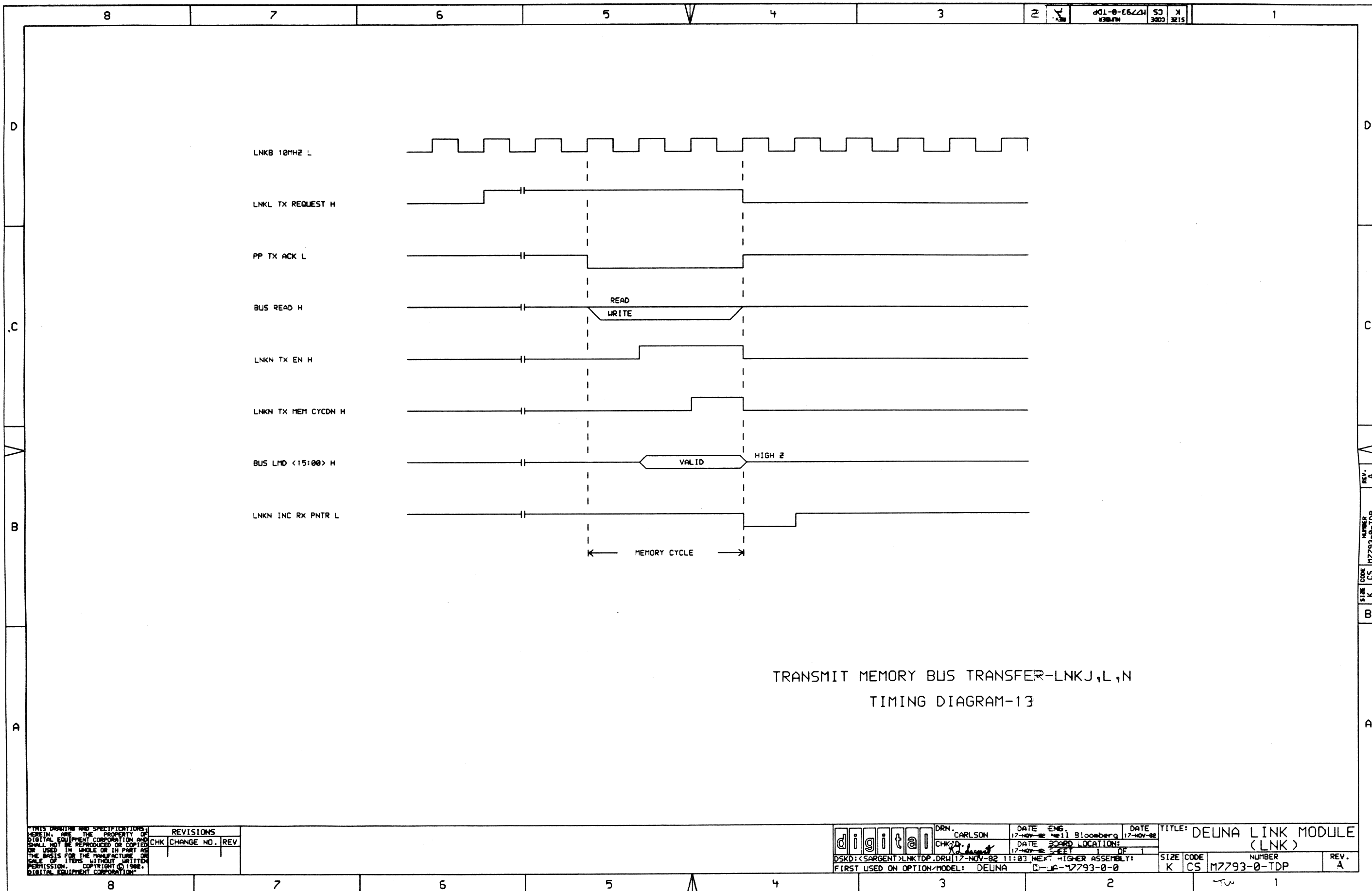


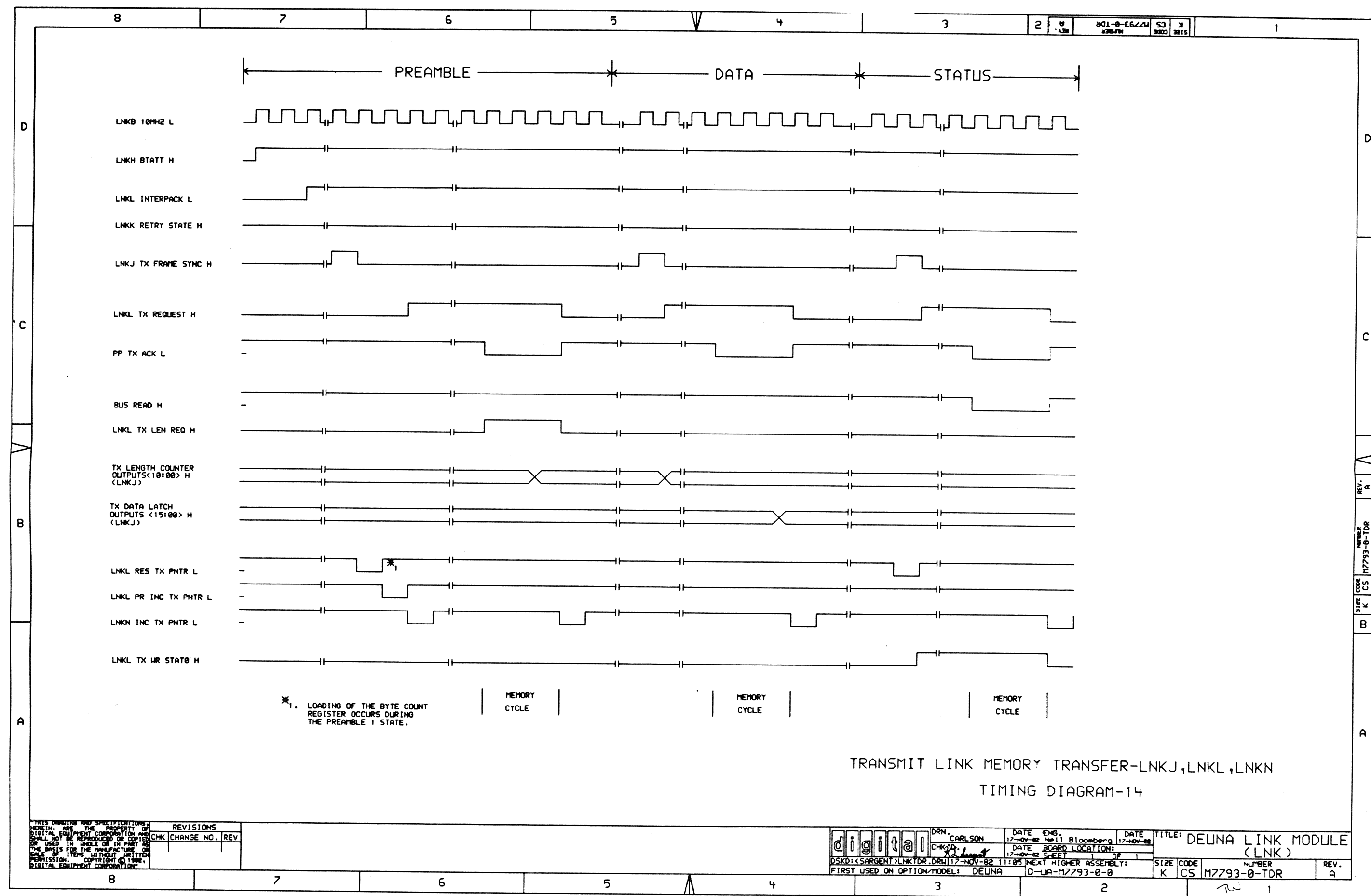
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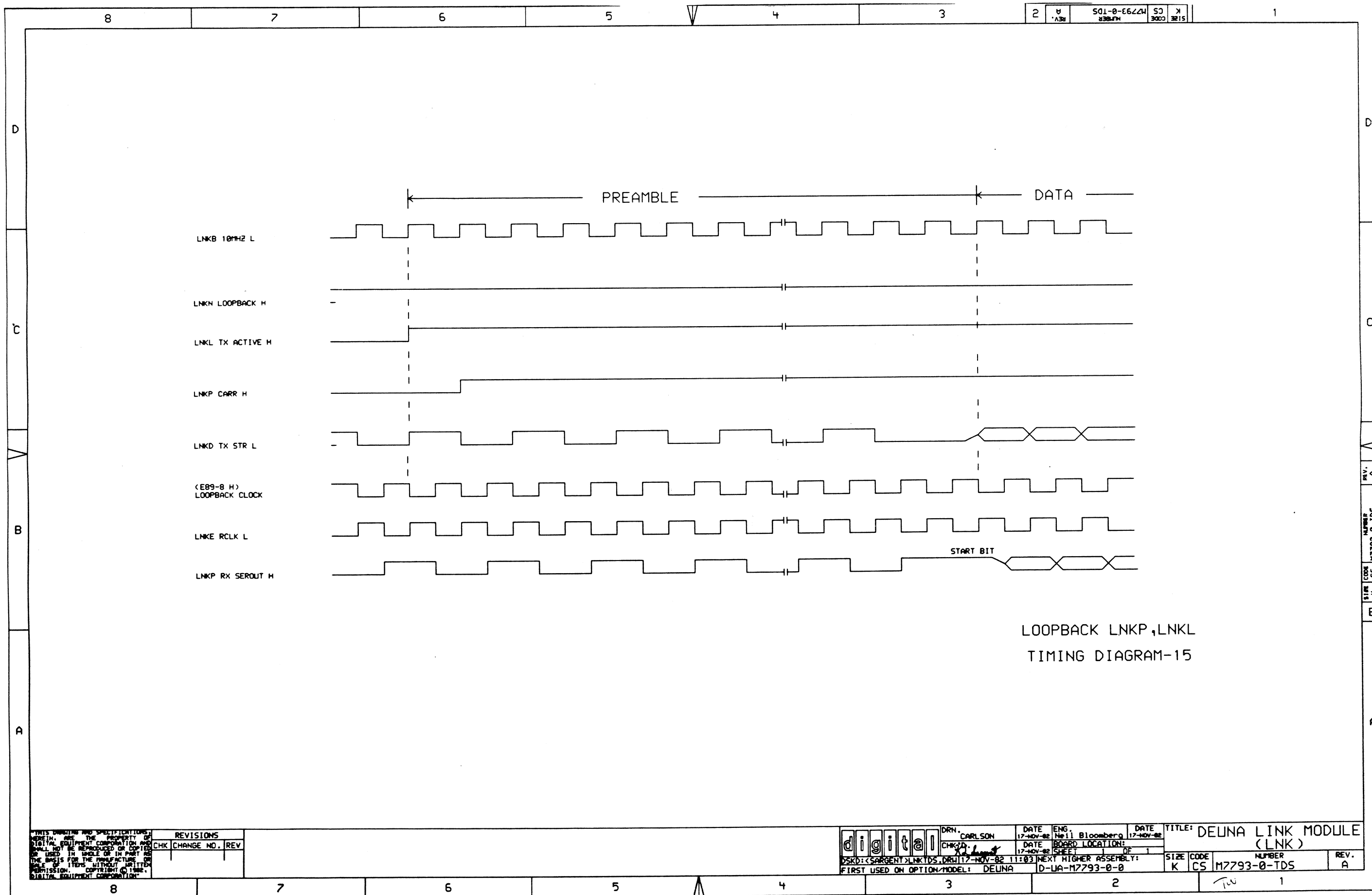
REVISIONS
CHK CHANGE NO. REV

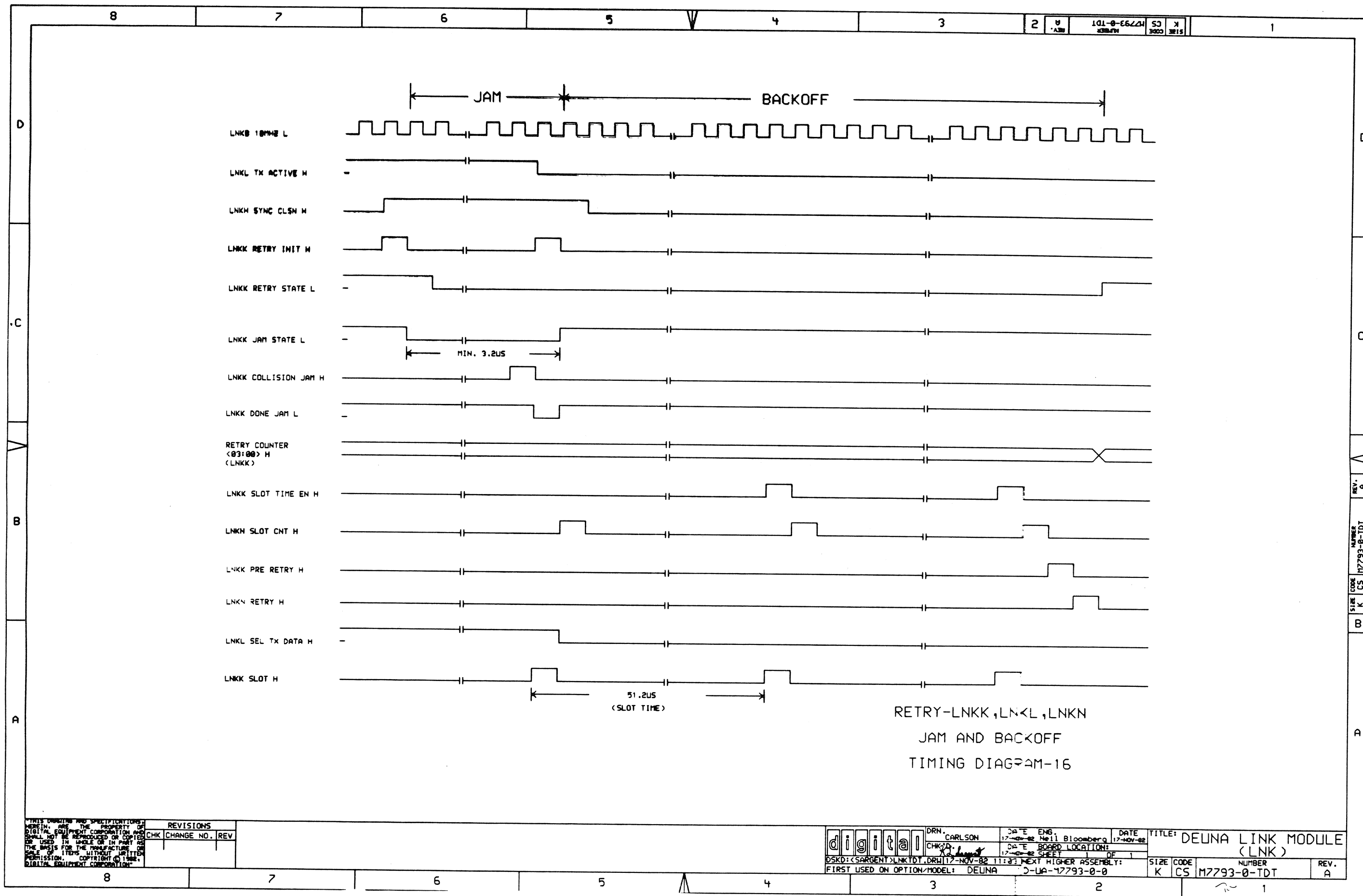
digital	DRN. CARLSON	DATE 17-NOV-82	ENG. Neil Bloomberg	DATE 17-NOV-82	TITLE: DEUNA LINK MODULE (LNK)
	CHK'D. <i>K. Sargent</i>	DATE 17-NOV-82	BOARD LOCATION: SHEET 1 OF 1	DATE 17-NOV-82	
DSKD: <SARGENT>LNK.TDM.DRW		17-NOV-82 11:02		NEXT HIGHER ASSEMBLY:	
FIRST USED ON OPTION/MODEL: DEUNA		D-UA-M7793-0-0			
SIZE	CODE	NUMBER		REV.	
K	CS	M7793-0-TDM		A	

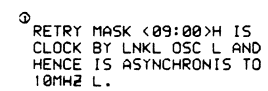






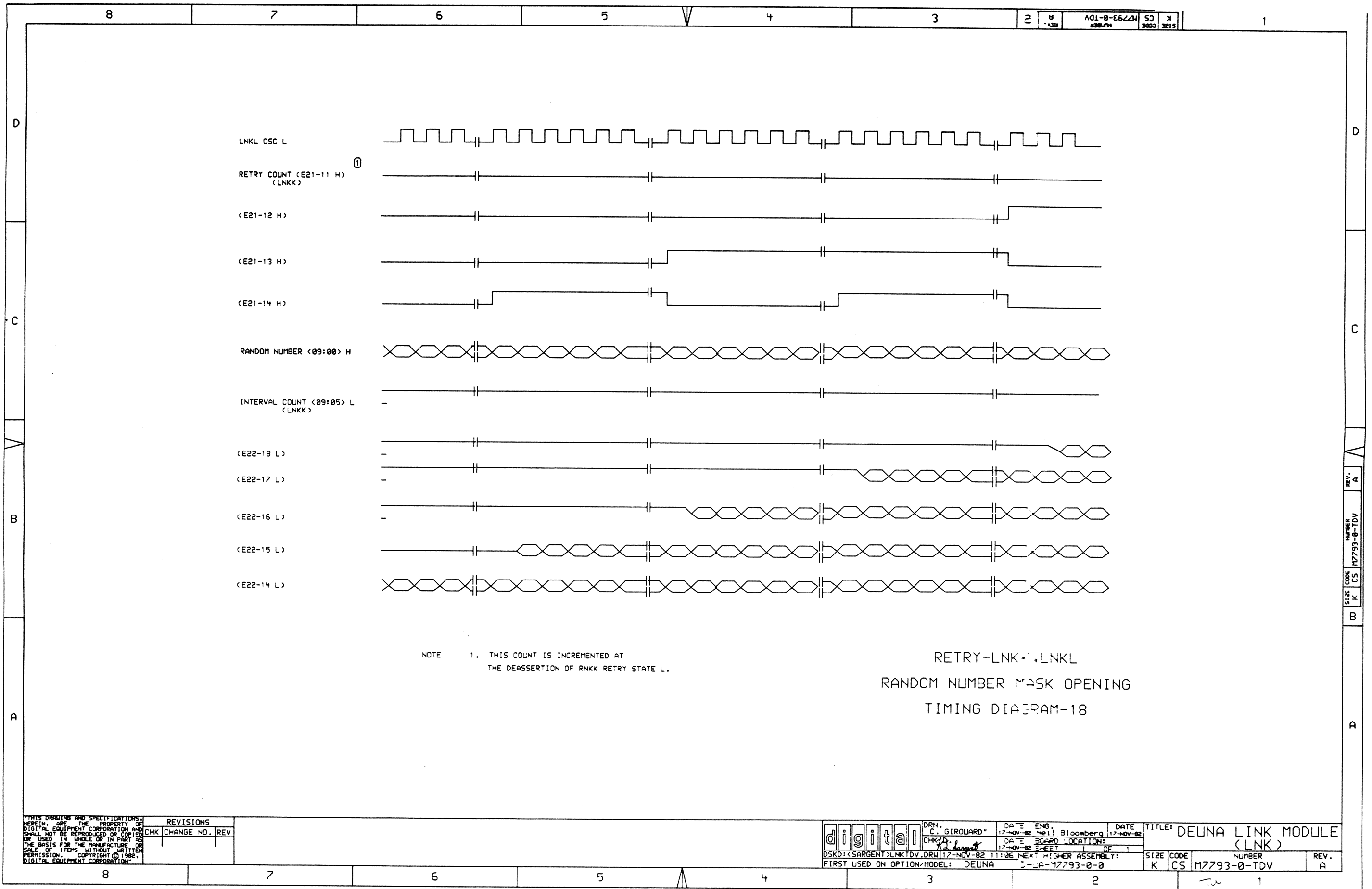






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	CHK	C-CHANGE NO.	REV

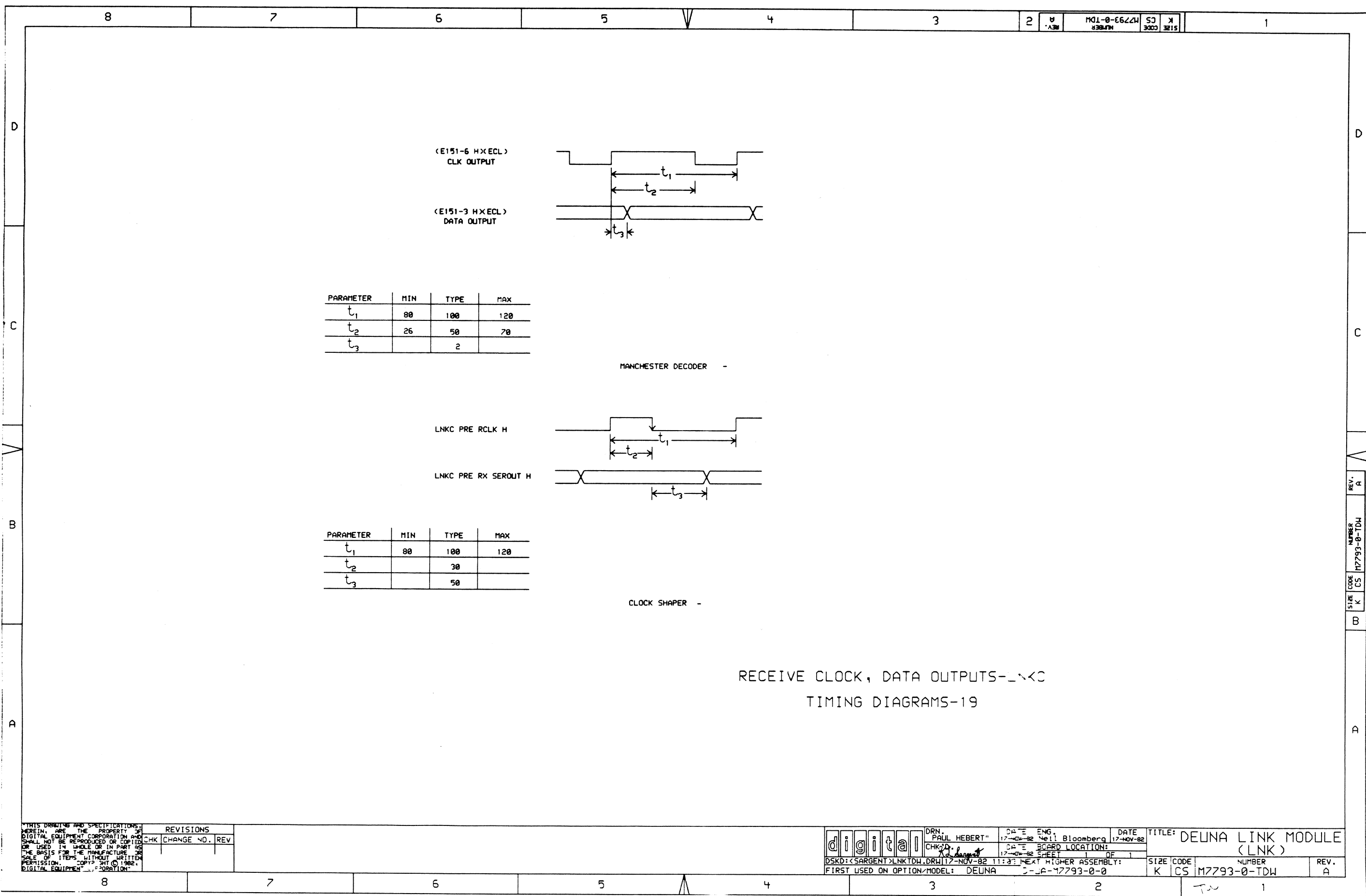
d	i	g	i	t	a	DRN	DATE	ENG.	DATE	TITLE:	REV.
						PAUL HEBERT"	17-NOV-82	NE	17-NOV-82	DEUNA LINK MODULE	
D	S	K	O	S	M	CHKD	DATE	ENG.	DATE	(LNK)	REV.
						17-NOV-82	NE	17-NOV-82			
DSKD: <SARGENT>LNK.TDU.DRW17-NOV-82 11:05 ME. - - - - - 55E-BLY: SIZE CODE NUMBER FIRST USED ON OPTION: MODEL: DEUNA - - - - - 3-2-0 K CS M7793-0-TDU											



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REVISIONS		
CHK	CHANGE NO.	REV.

digital	DRN. C. GIROUARD	DATE ENG. 17-NOV-82	DATE 17-NOV-82	TITLE: DEUNA LINK MODULE (LNK)
CHK'D. K. Sargent		DATE 17-NOV-82	DATE 17-NOV-82	NUMBER M7793-0-TDV
DSKD: <SARGENT>LNKTDV.DRW		NEXT HIGHER ASSEMBLY: J-A-17793-0-0		REV. A
FIRST USED ON OPTION/MODEL: DEUNA				



REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. PAUL HEBERT
CHKD. *[Signature]*

DATE ENG. 17-NOV-82
DATE 17-NOV-82
SHEET 1 OF 1

DATE BOARD LOCATION: 17-NOV-82

DSKD: <SARGENT>LNKTDW.DRW 17-NOV-82 11:33 NEXT HIGHER ASSEMBLY: DEUNA C-4A-47793-0-0

SIZE CODE K CS

NUMBER M7793-0-TDW

REV. A

TITLE: DEUNA LINK MODULE (LNK)