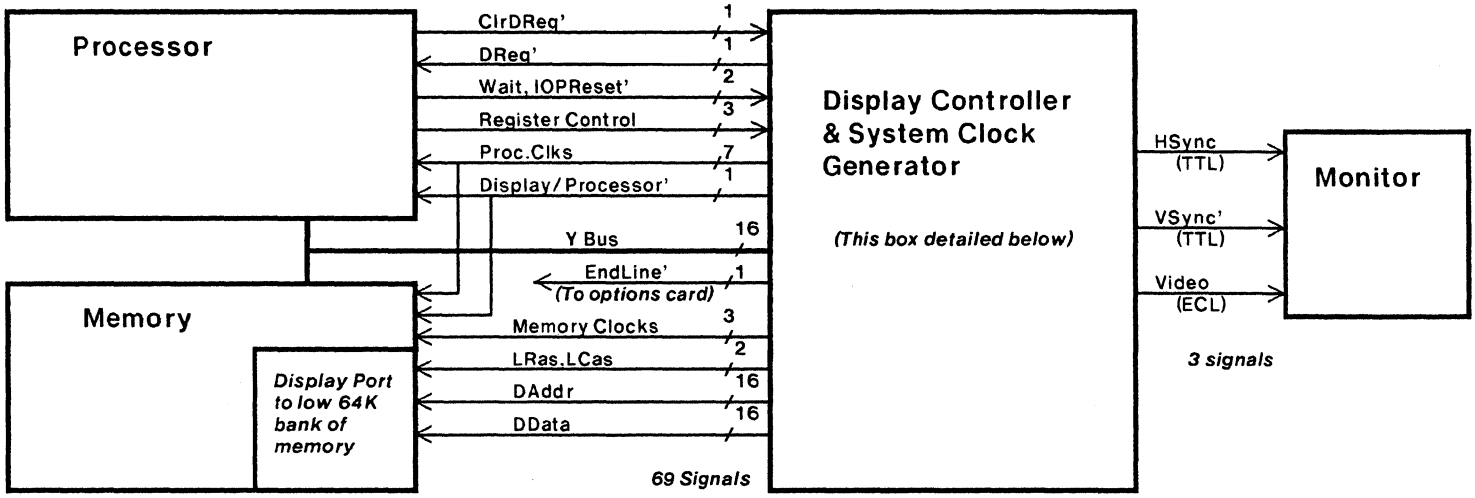
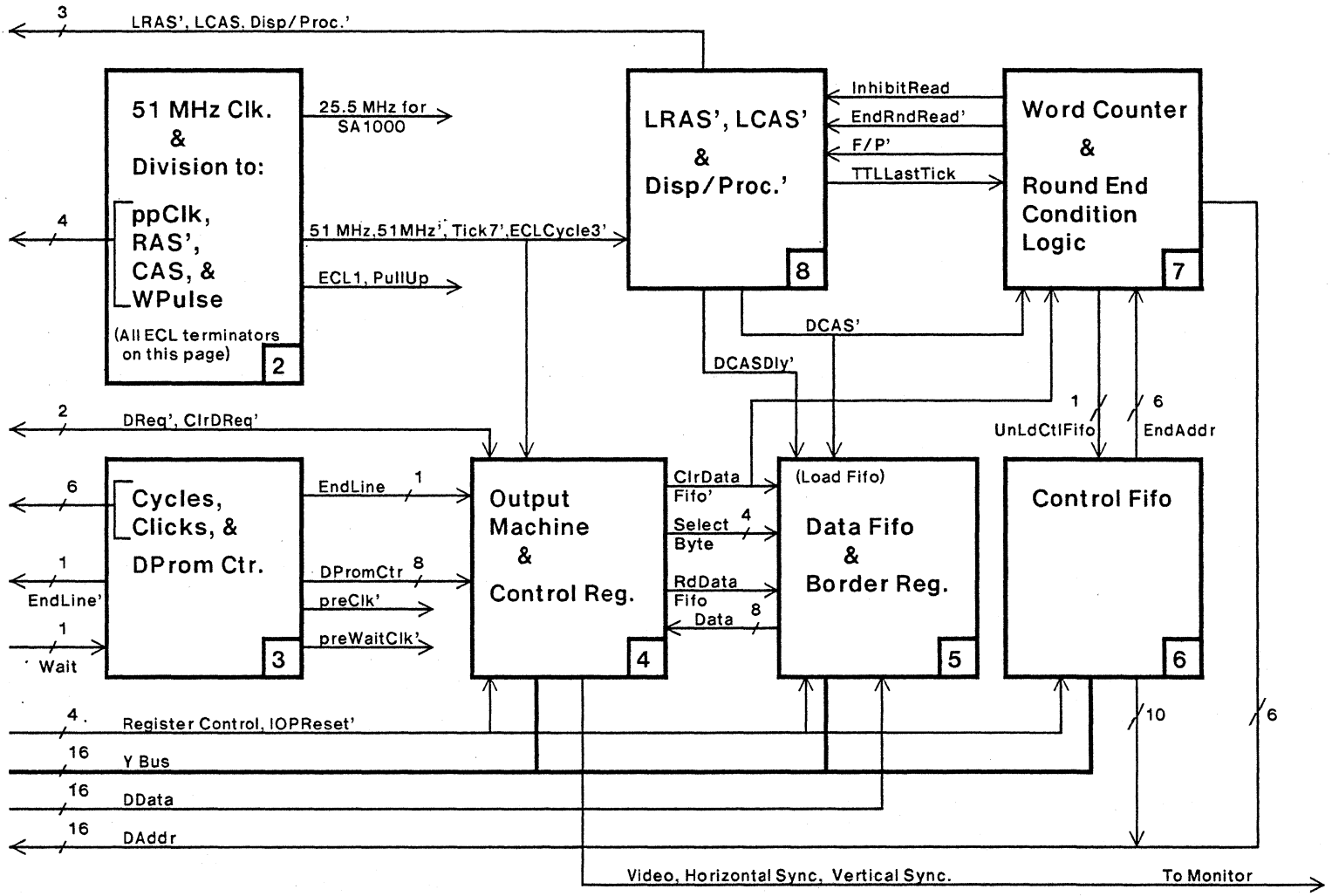
TABLE OF CONTENTS



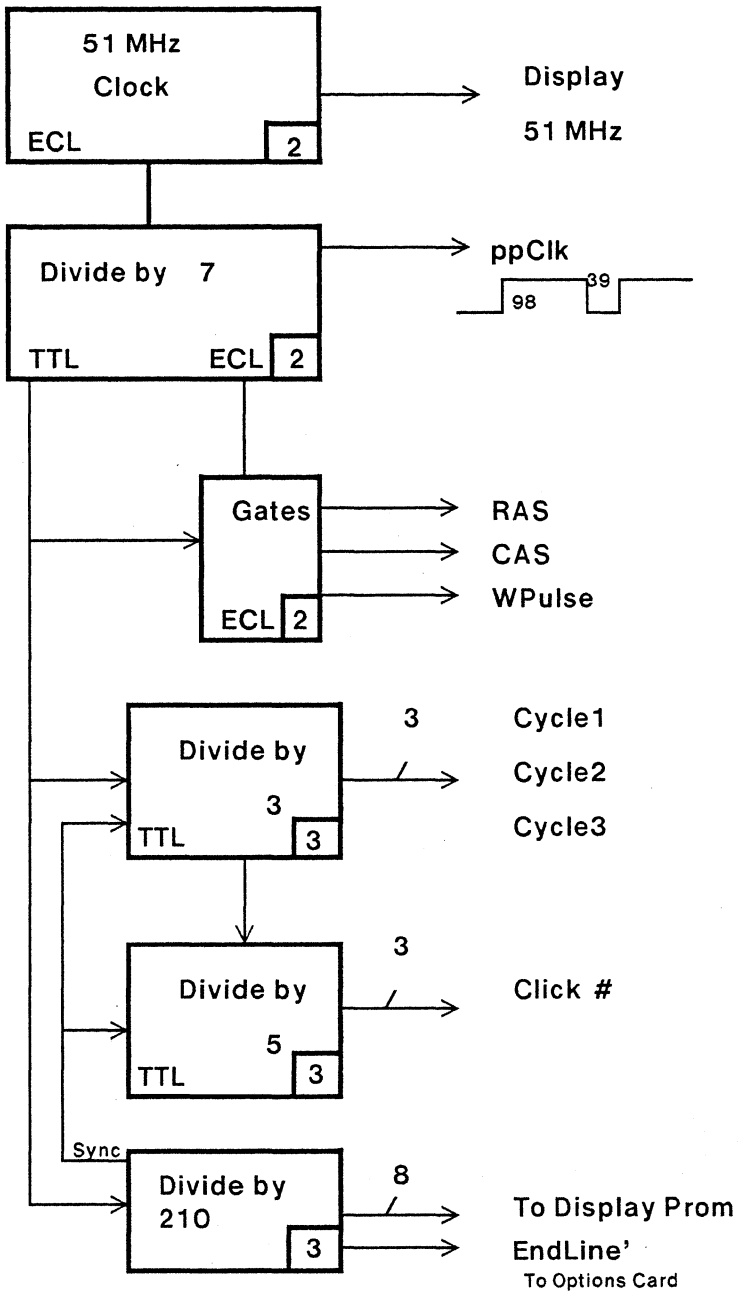
Relationship and Interconnection of Display & Clocks to rest of Dandelion



Detail Block Diagram of Display & Clocks *(Logic drawing page number is in lower right corner of each box.)*

HSIO-0.40B.SIL

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 0.40 OF	

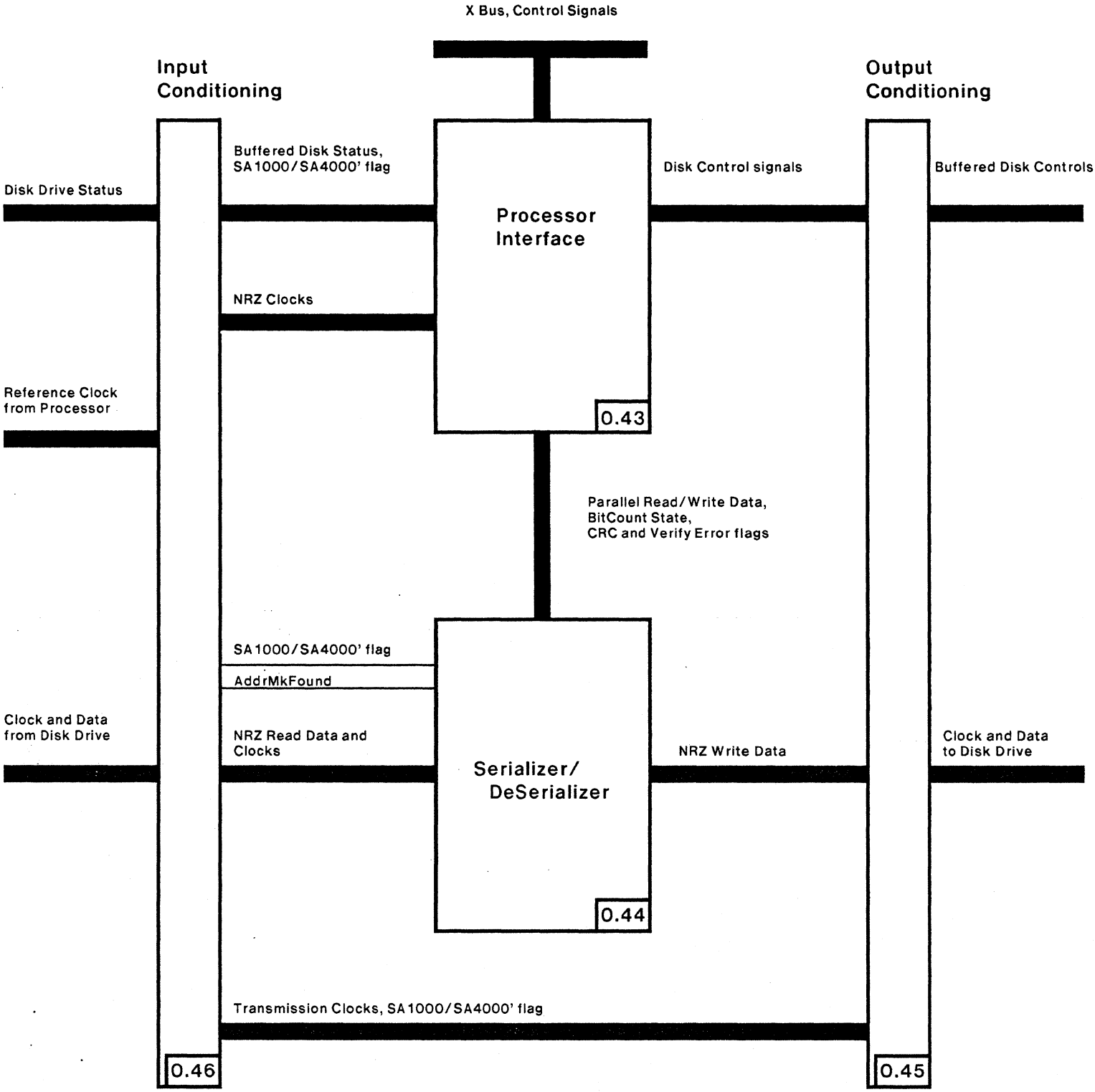


Timing

1470 = 7*2*5*3*7

1470 Bit times/line
210 clicks/line
14 Rounds/Line
5 clicks/round
3 cycles/click
7 display bit times/cycle

SYSTEM CLOCK GENERATION BLOCK DIAGRAM

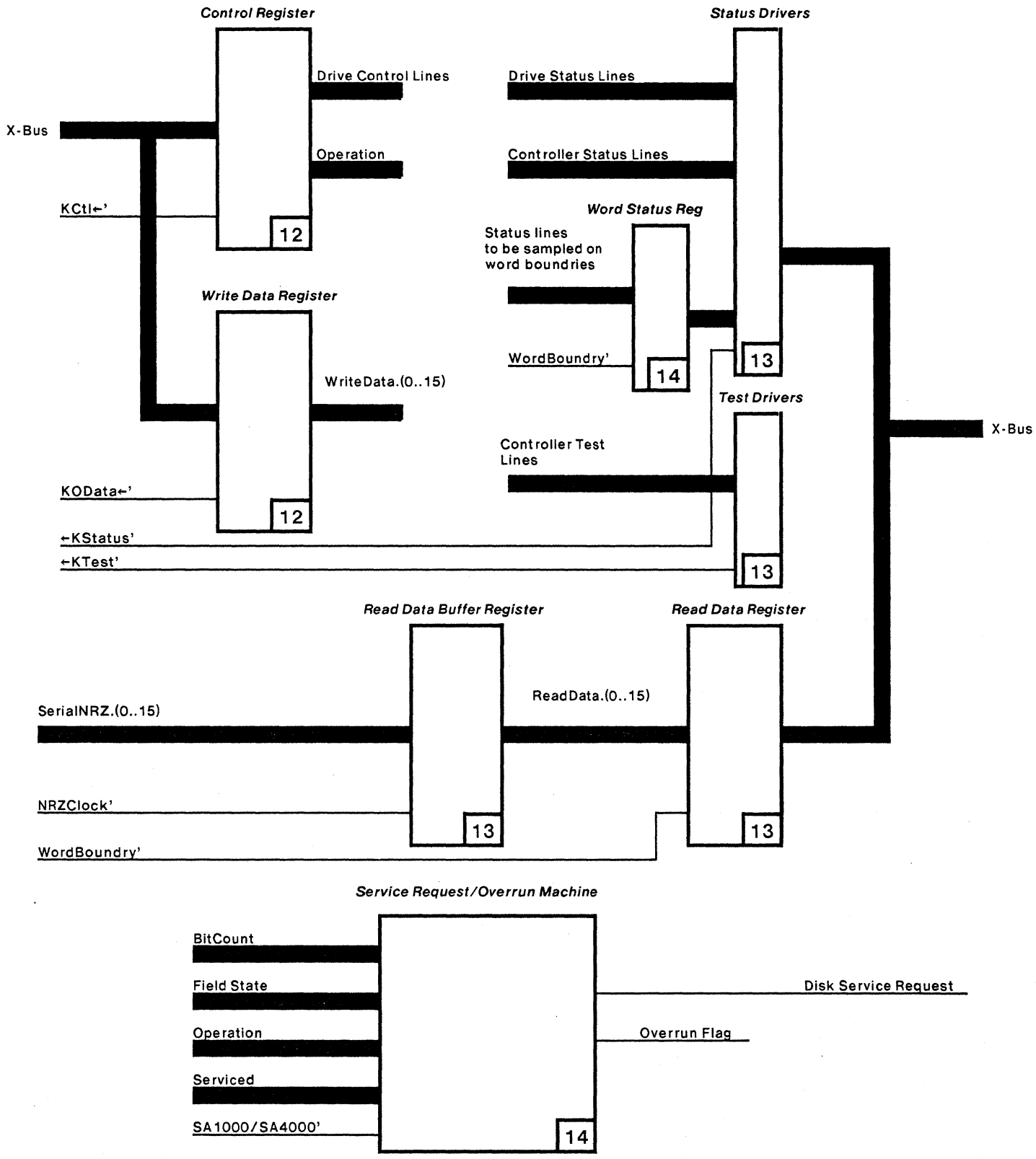


DISK CONTROLLER BLOCK DIAGRAM

HSIO-0.42B.SIL

(LOGIC DRAWING PAGE NUMBER SHOWN IN LOWER RIGHT CORNER EACH BOX)

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 0.42 OF	

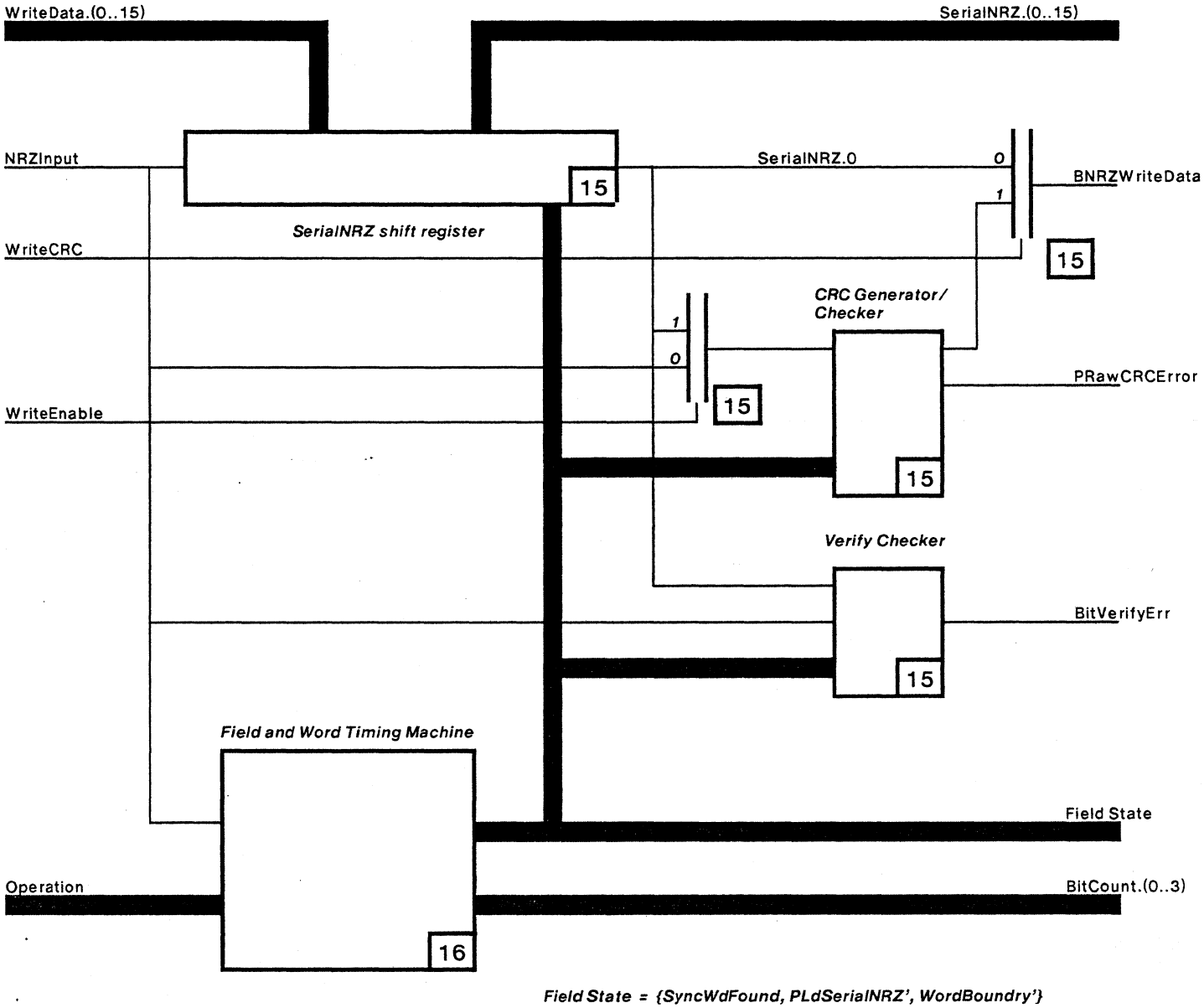


PROCESSOR INTERFACE BLOCK DIAGRAM

HSIO-0.43B.SIL

(LOGIC DRAWING PAGE NUMBER SHOWN IN LOWER RIGHT CORNER EACH BOX)

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 0.43 OF	



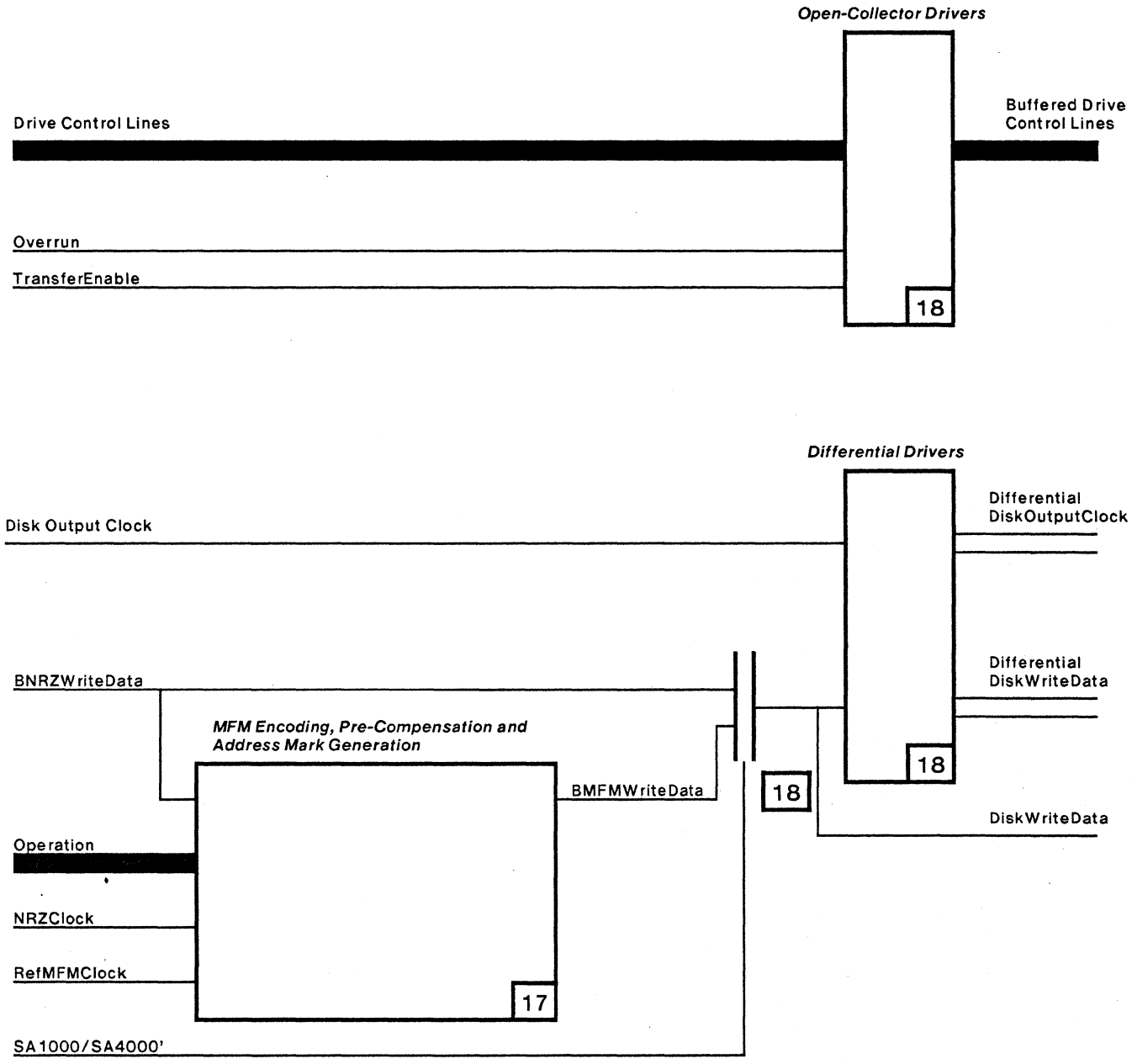
Field State = {SyncWdFound, PLdSerialNRZ', WordBoundry'}

SERIALIZER/DESERIALIZER BLOCK DIAGRAM

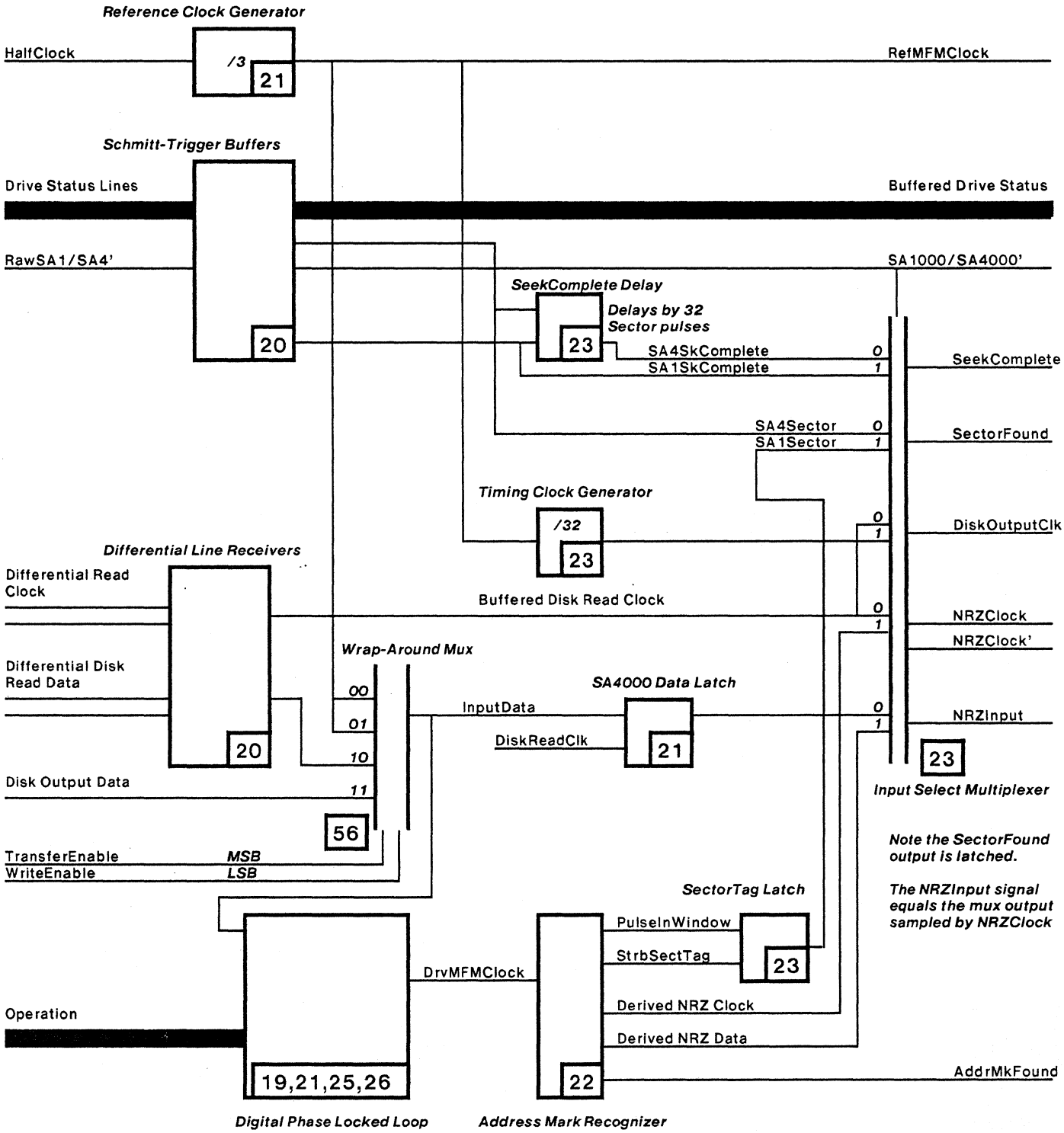
HSIO-0.44B.SIL

(LOGIC DIAGRAM PAGE NUMBER SHOWN LOWER RIGHT CORNER EACH BOX)

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 0.44 OF	B



OUTPUT CONDITIONING CIRCUITS BLOCK DIAGRAM

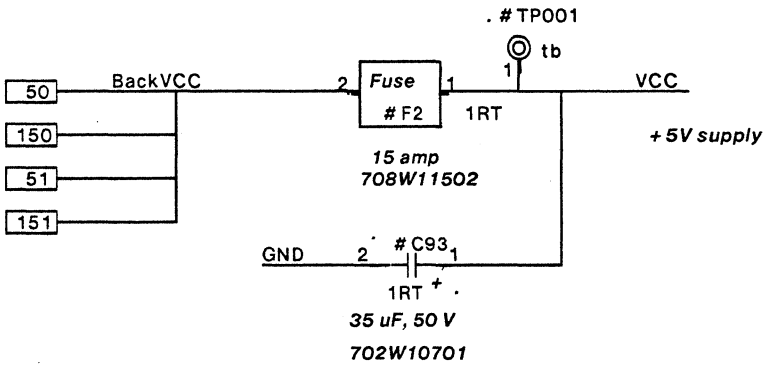


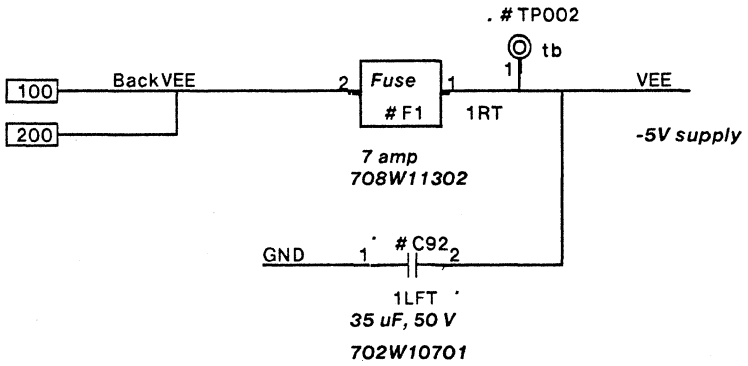
INPUT CONDITIONING CIRCUITS BLOCK DIAGRAM

HSIO-0.46B.SIL

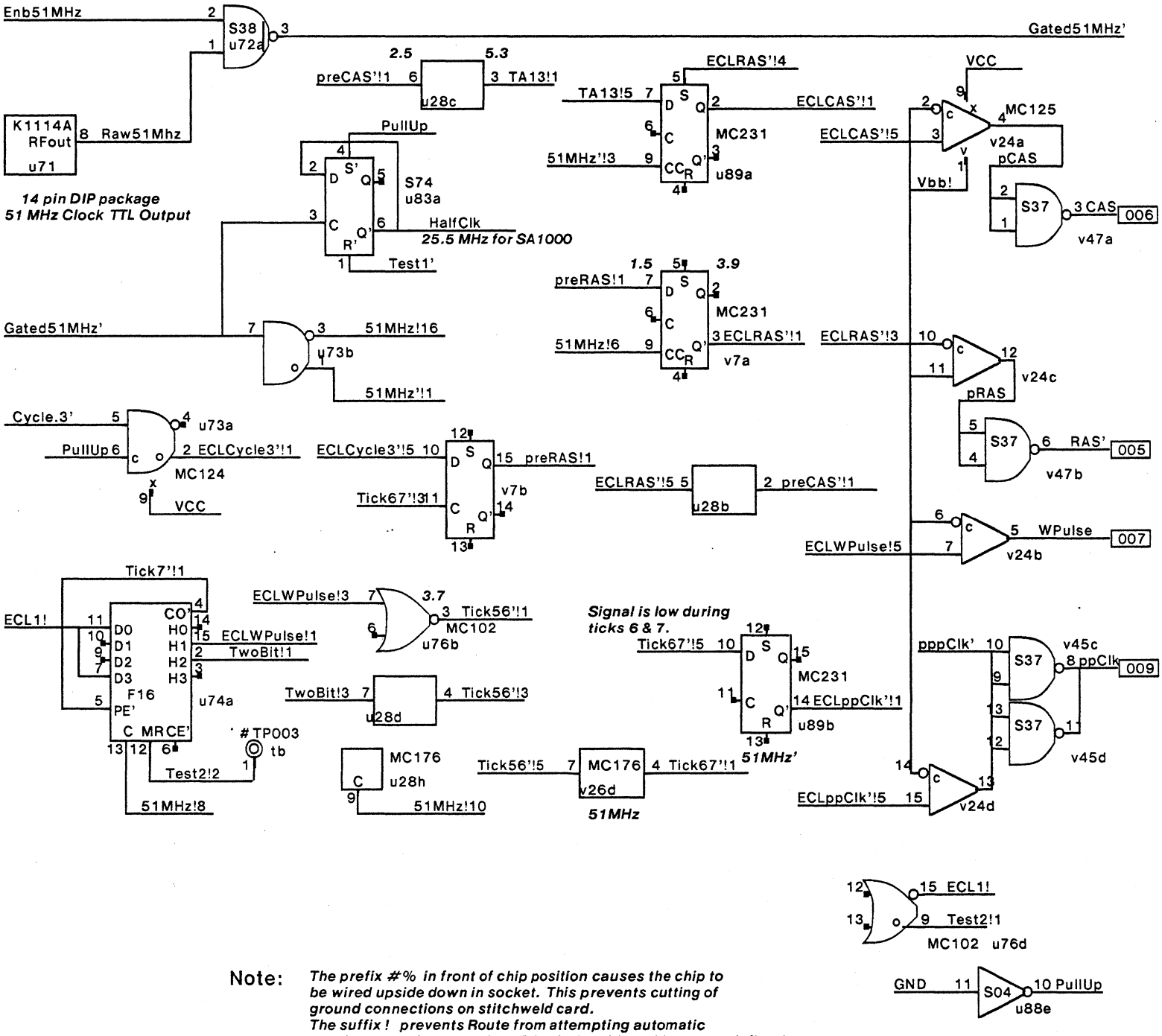
(LOGIC DIAGRAM PAGE NUMBER SHOWN LOWER RIGHT CORNER EACH BOX)

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 0.46 OF	



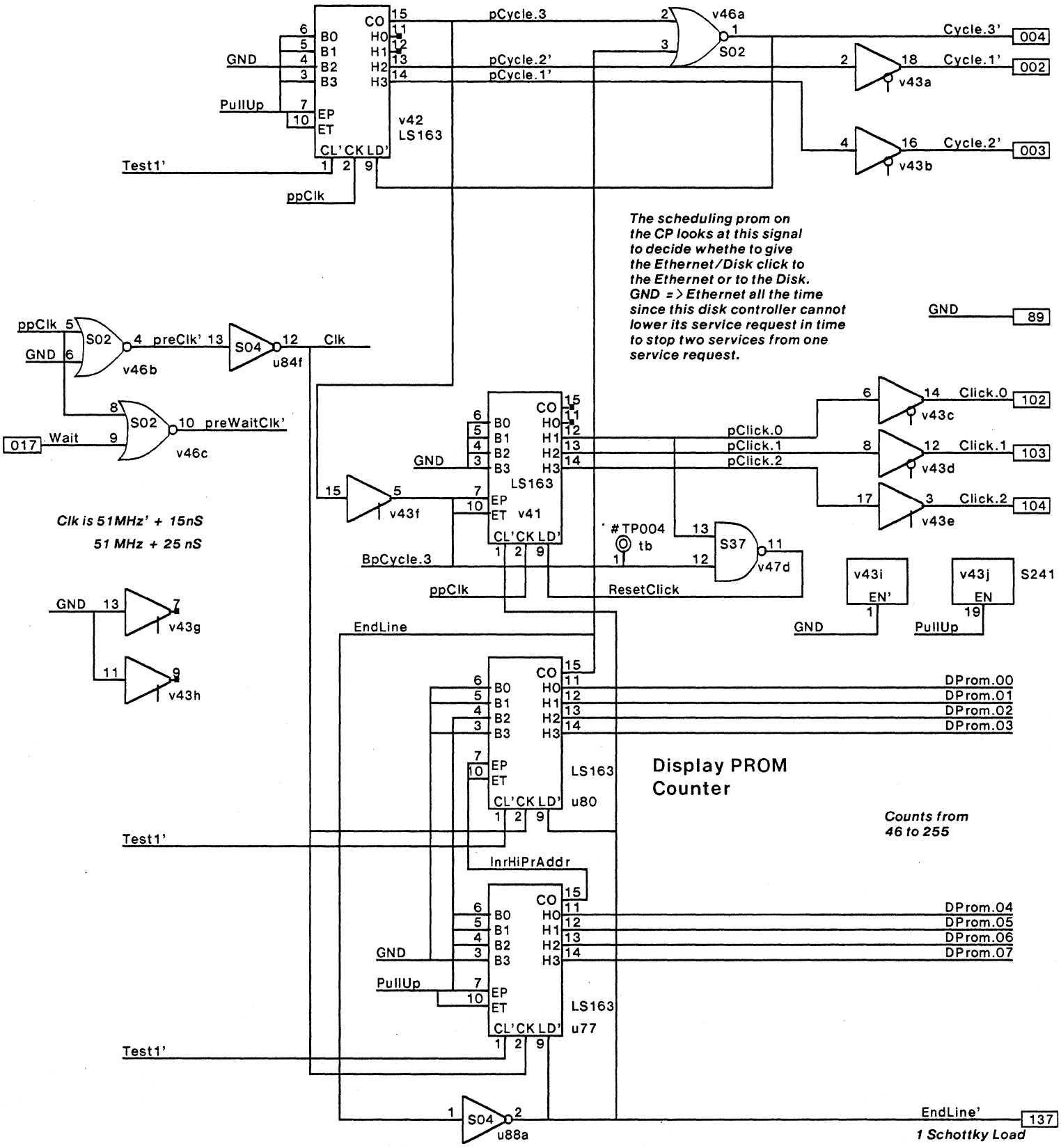


XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 01 OF	B

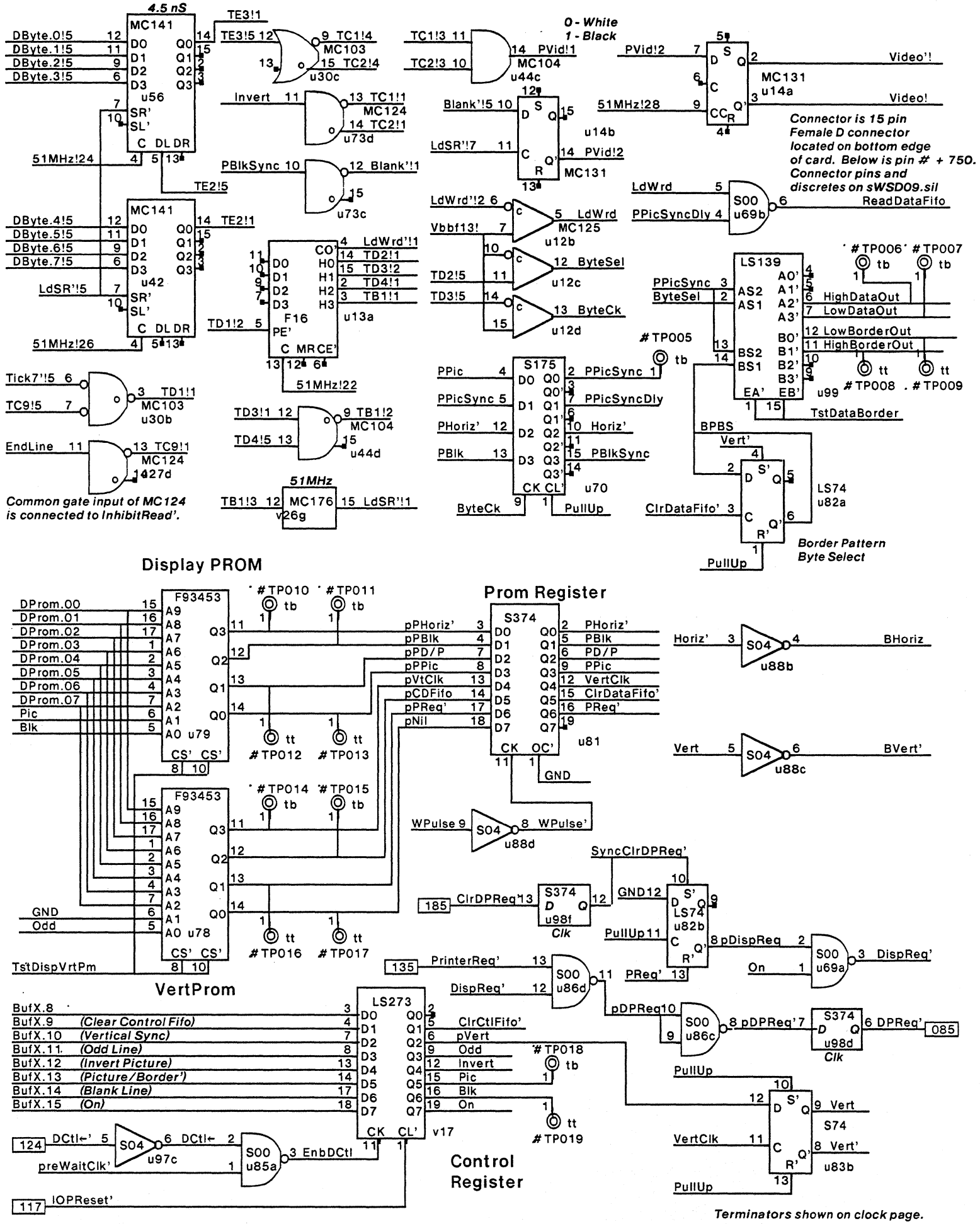


Note: *The prefix #% in front of chip position causes the chip to be wired upside down in socket. This prevents cutting of ground connections on stitchweld card.*
The suffix ! prevents Route from attempting automatic terminator assignment since D0 stitchweld card has none defined. Subnet wiring order for a net is done by appending to the net name a ! followed by the wiring sequence number of the node in the net. Automatic terminator assignment is inhibited by use of ! as the last character in the character string of the net. This must occur after the subnet feature if it is also being used.

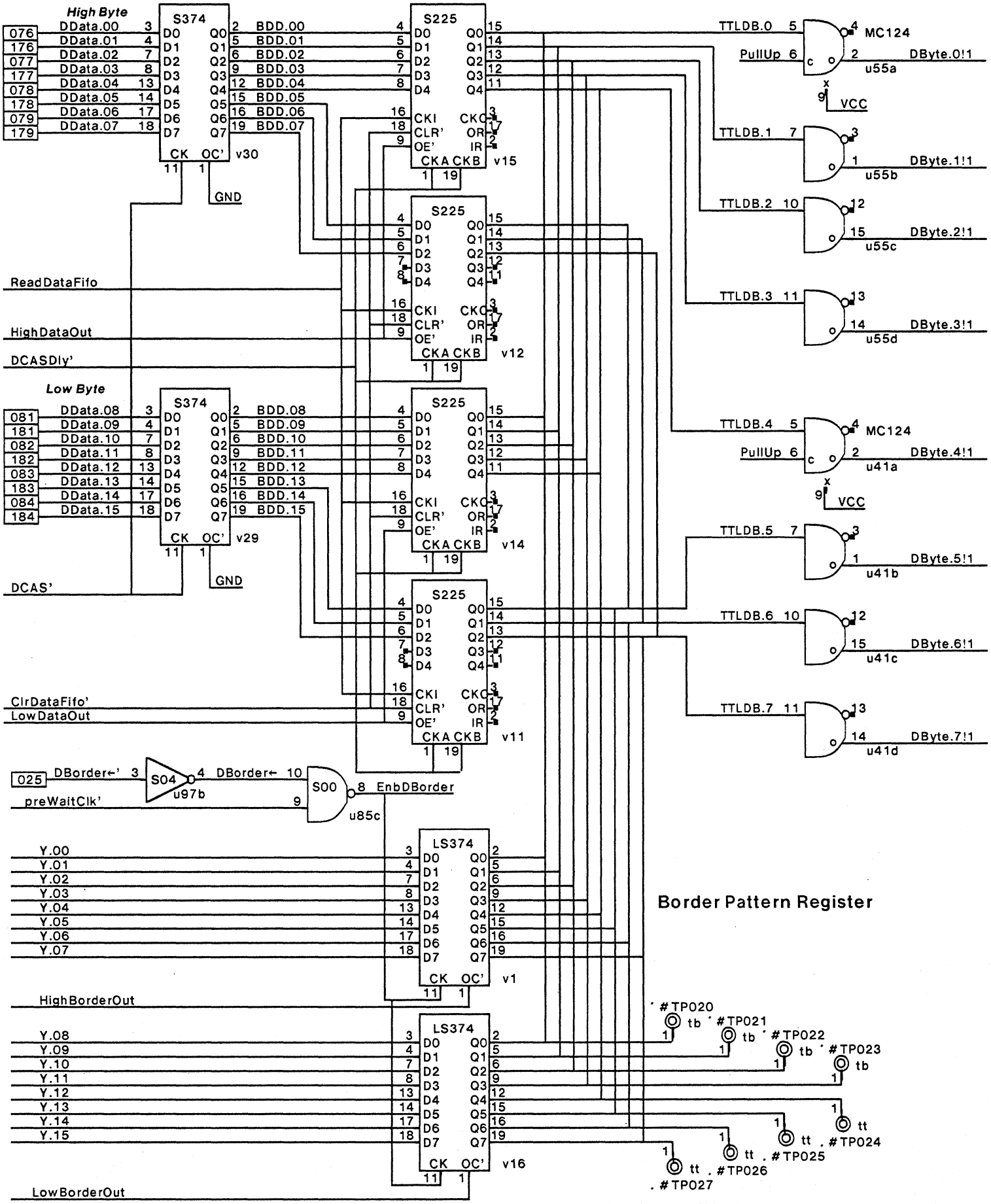
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 02 OF	B



XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 03 OF	

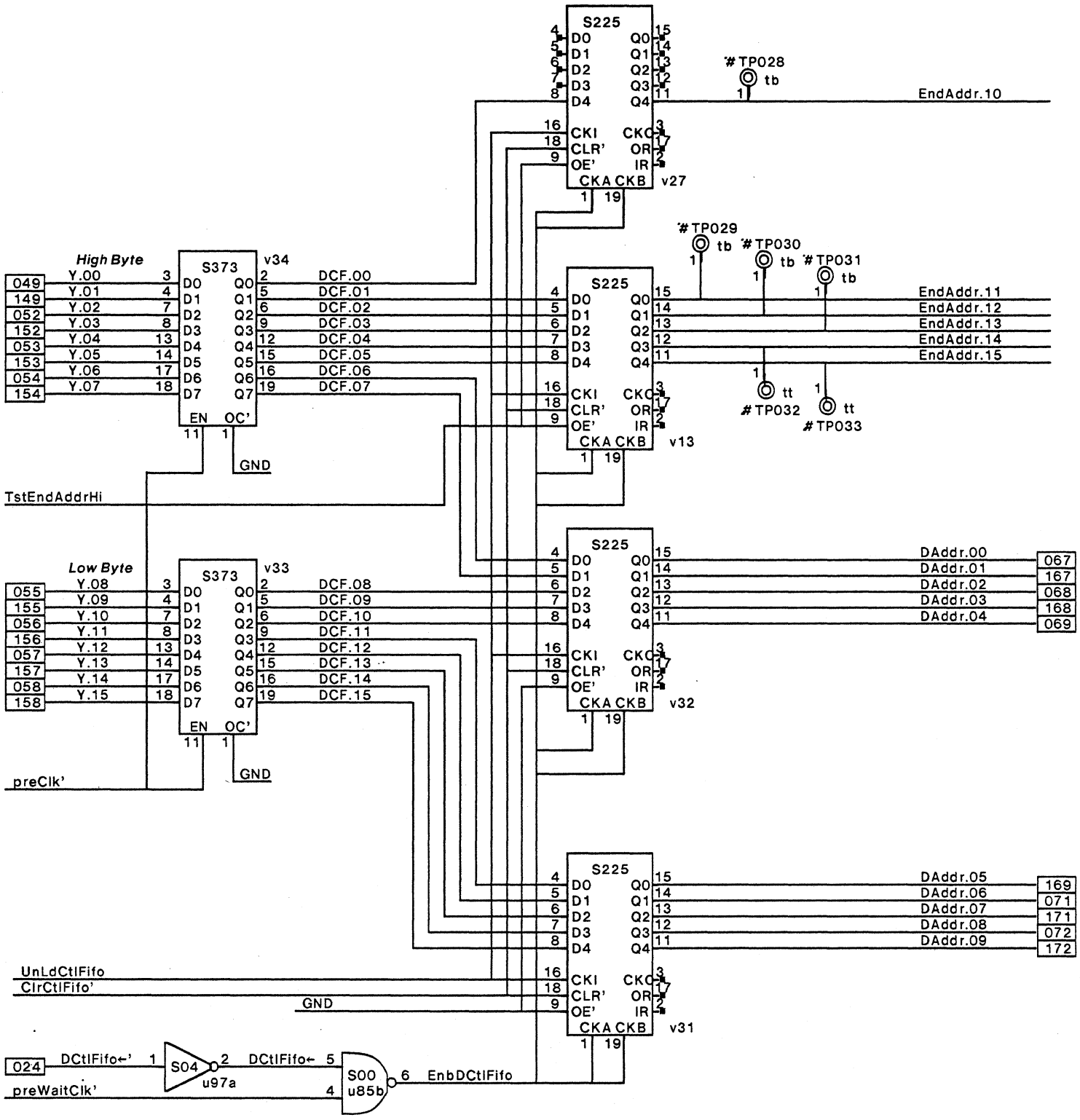


XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 04 OF	B

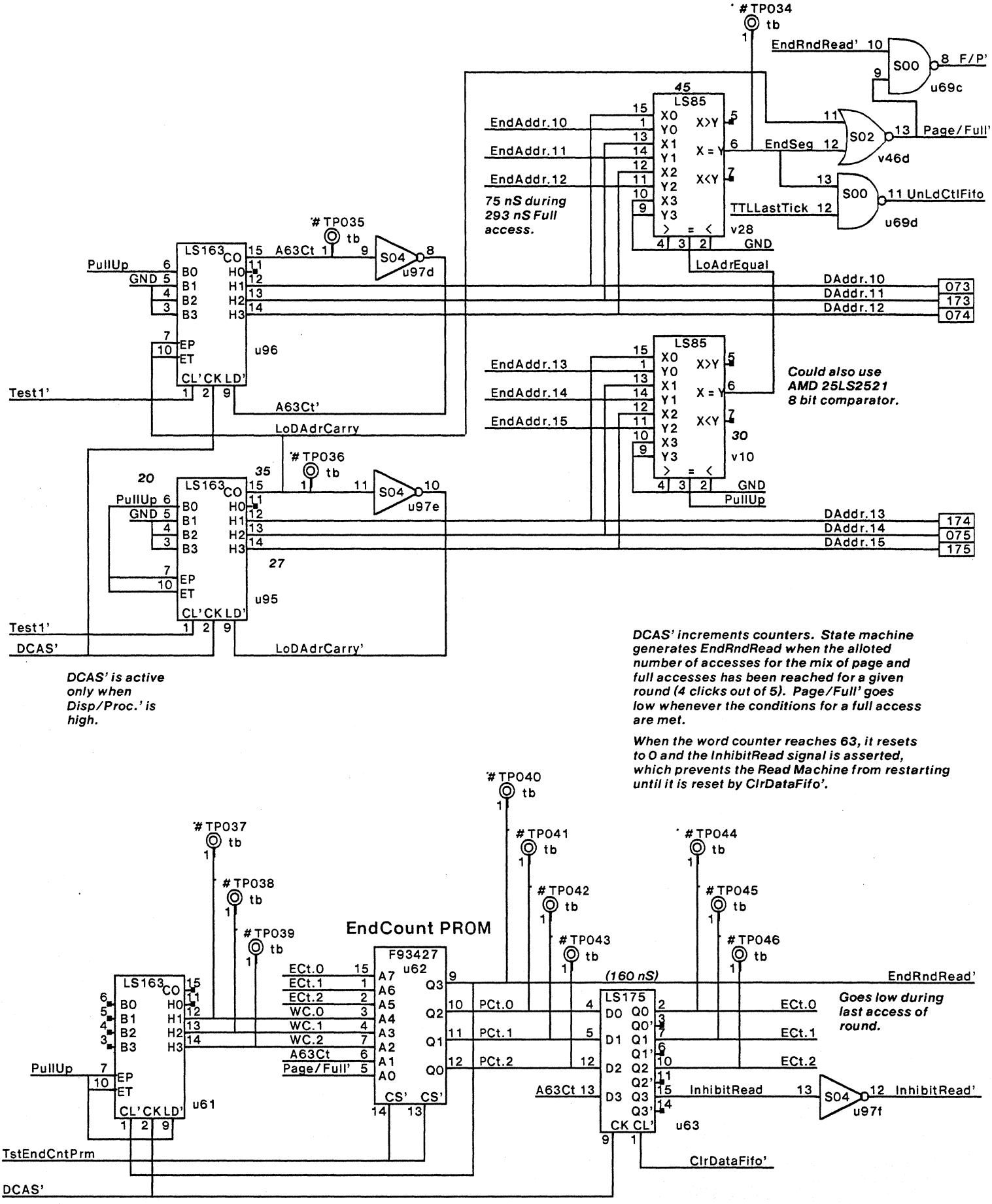


EndLine goes low once per horizontal line.
DCASDly' is DCAS' delayed by 20 nS.
Read signal goes low for 20 nS before low data byte is latched by the shift register.

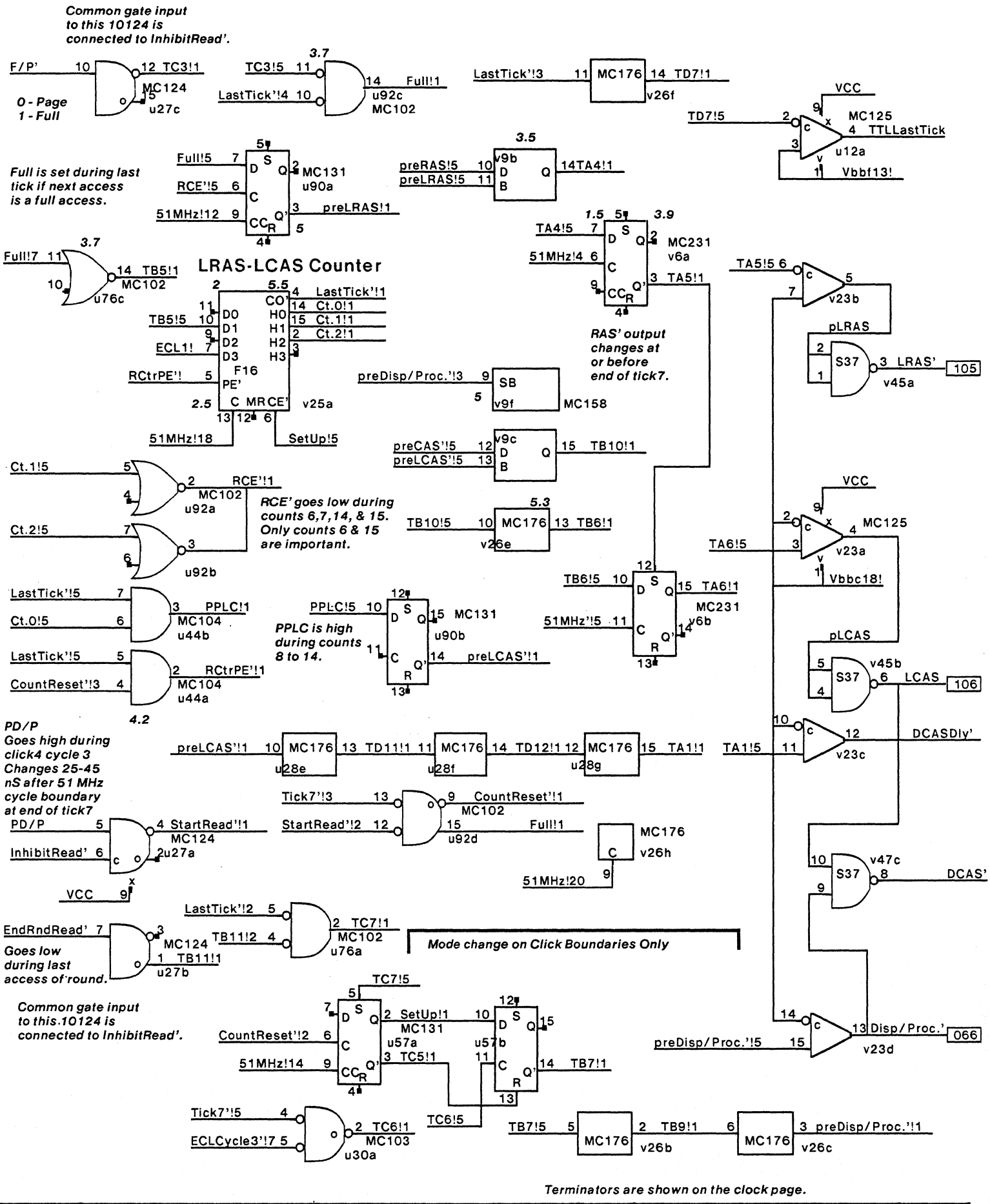
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 05 OF	B



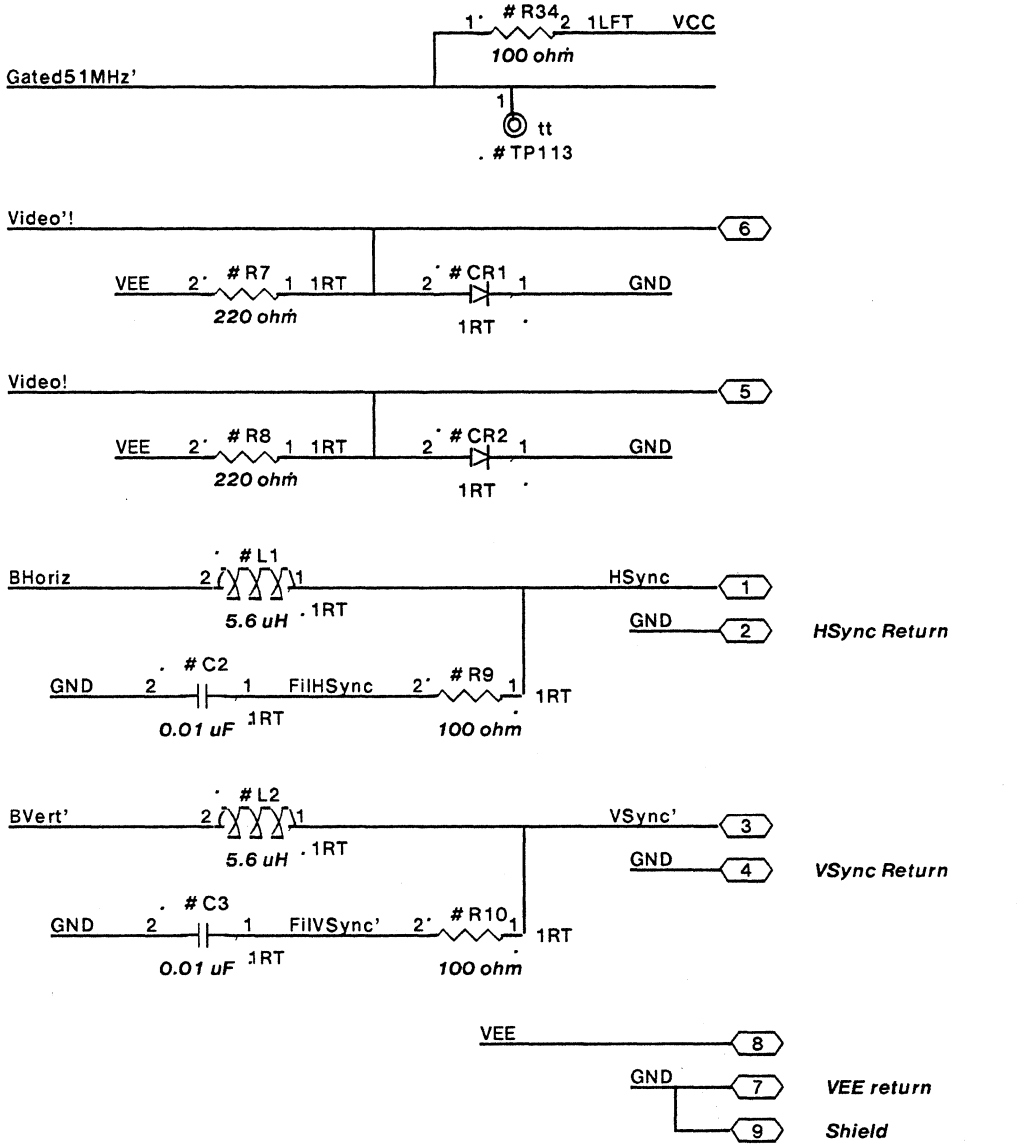
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 06 OF	



XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 07 OF	B



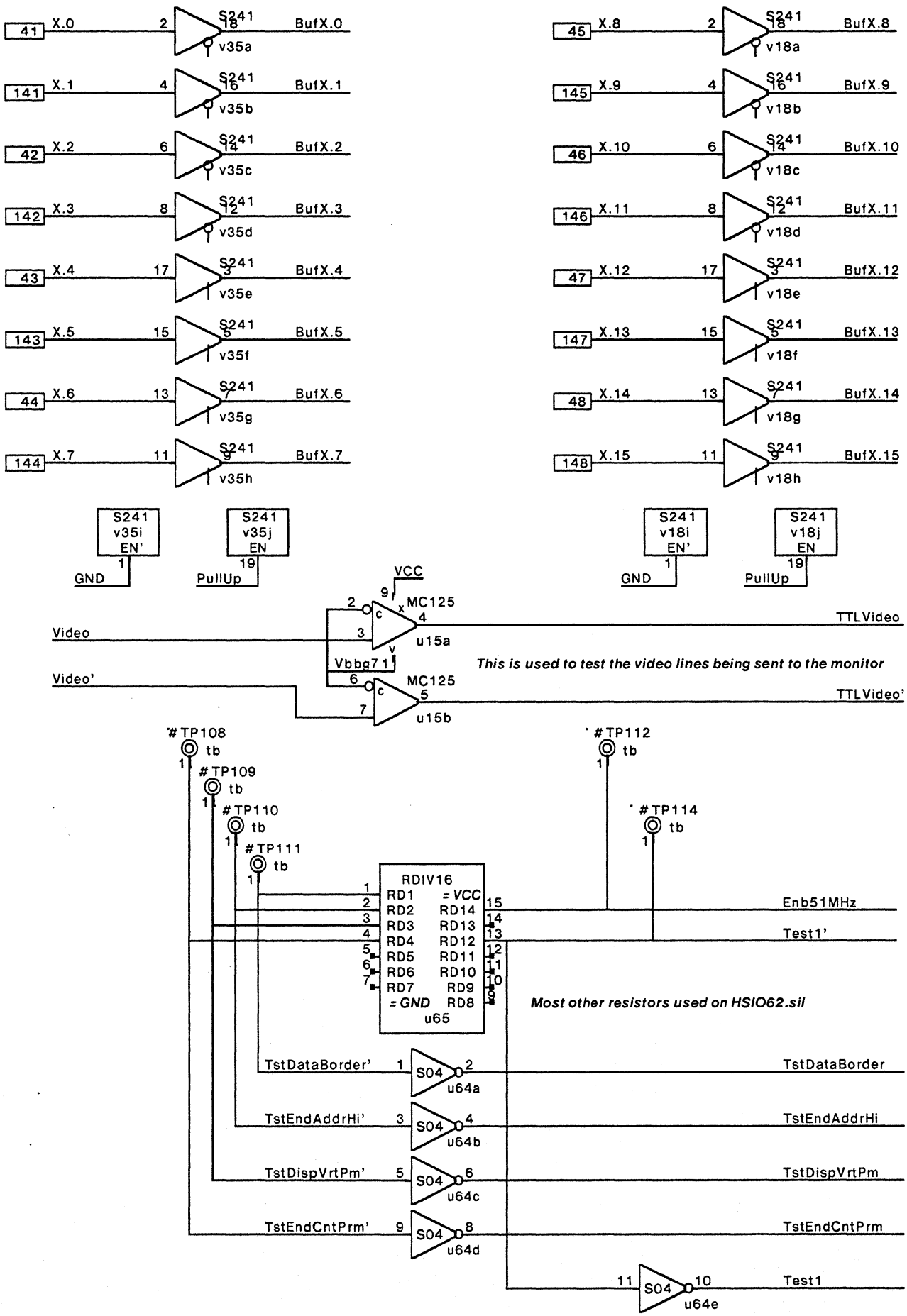
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 08 OF	B



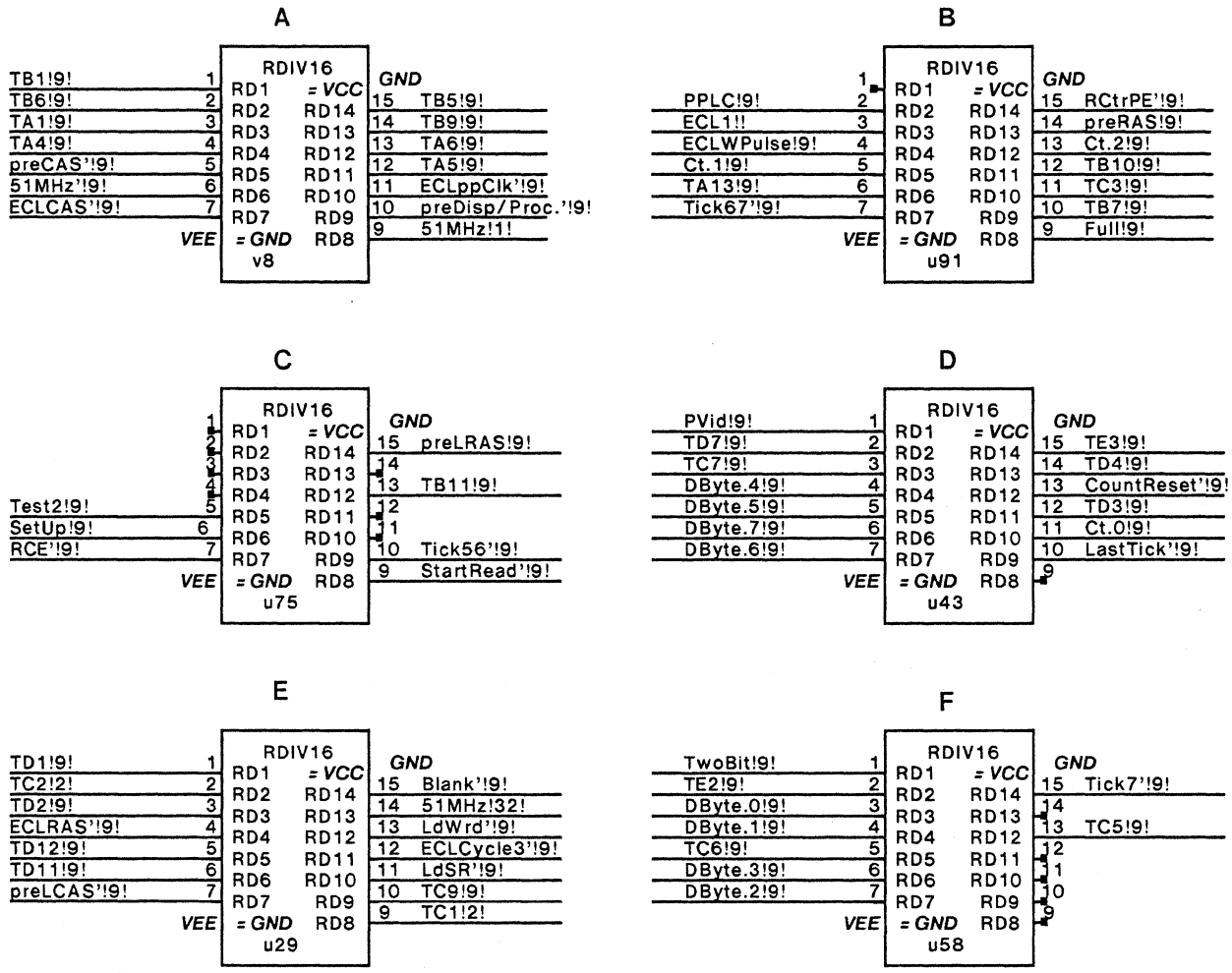
These RDIV16's are being used as ECL terminations so must be wired to conform with the ECL conventions.

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 09 OF	

Buffer X bus to reduce loading.



XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 10 OF	B



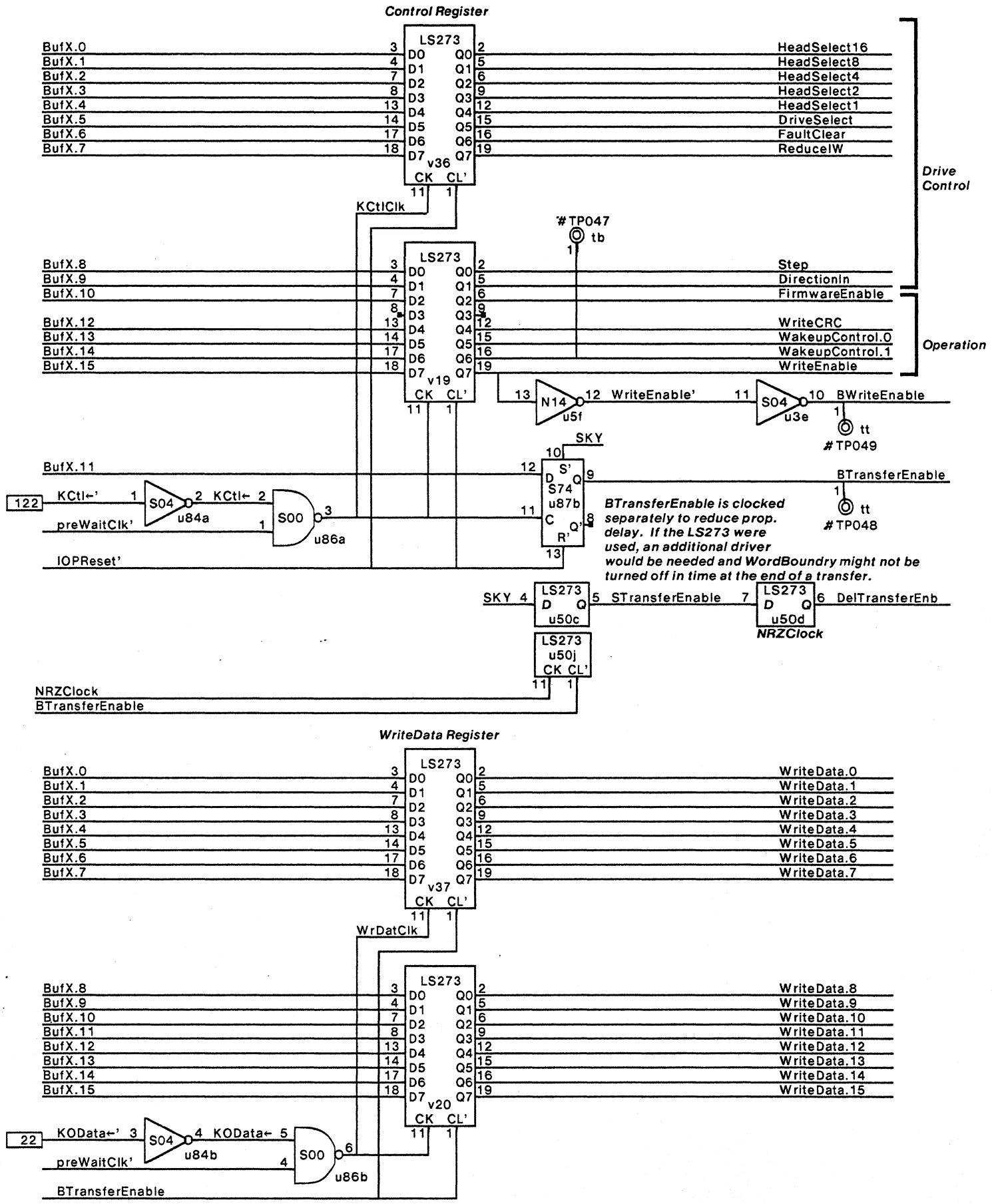
Termination Packages A, B, C, D, E above are 100 ohm termination to -2 V
Allen-Bradley part no. 316E161261

Pin 16 on each termination package is connected to GND and Pin 8 to VEE (-5.2 V). This is done on pWSD09.sil and sWSD09.sil where there is more room. This connection make the termination compatible with normal ECL power rules.

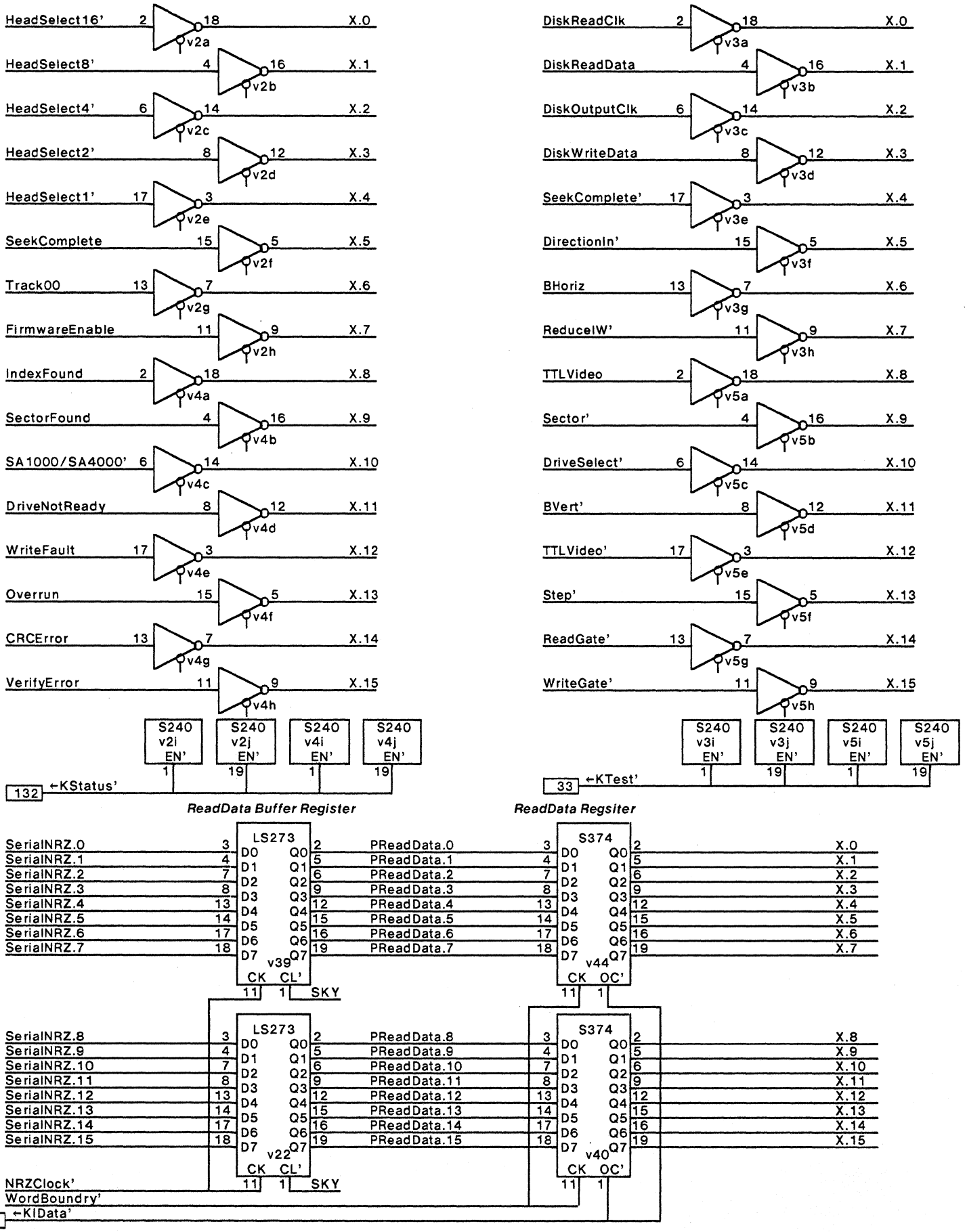
Note:

The prefix #% in front of chip position causes the chip to be wired upside down in socket. This prevents cutting of ground connections on stitchweld card.
The suffix ! prevents Route from attempting automatic terminator assignment since DO stitchweld card has none defined. Subnet wiring order for a net is done by appending to the net name a ! followed by the wiring sequence number of the node in the net. Automatic terminator assignment is inhibited by use of ! as the last character in the character string of the net. This must occur after the subnet feature if it is also being used.

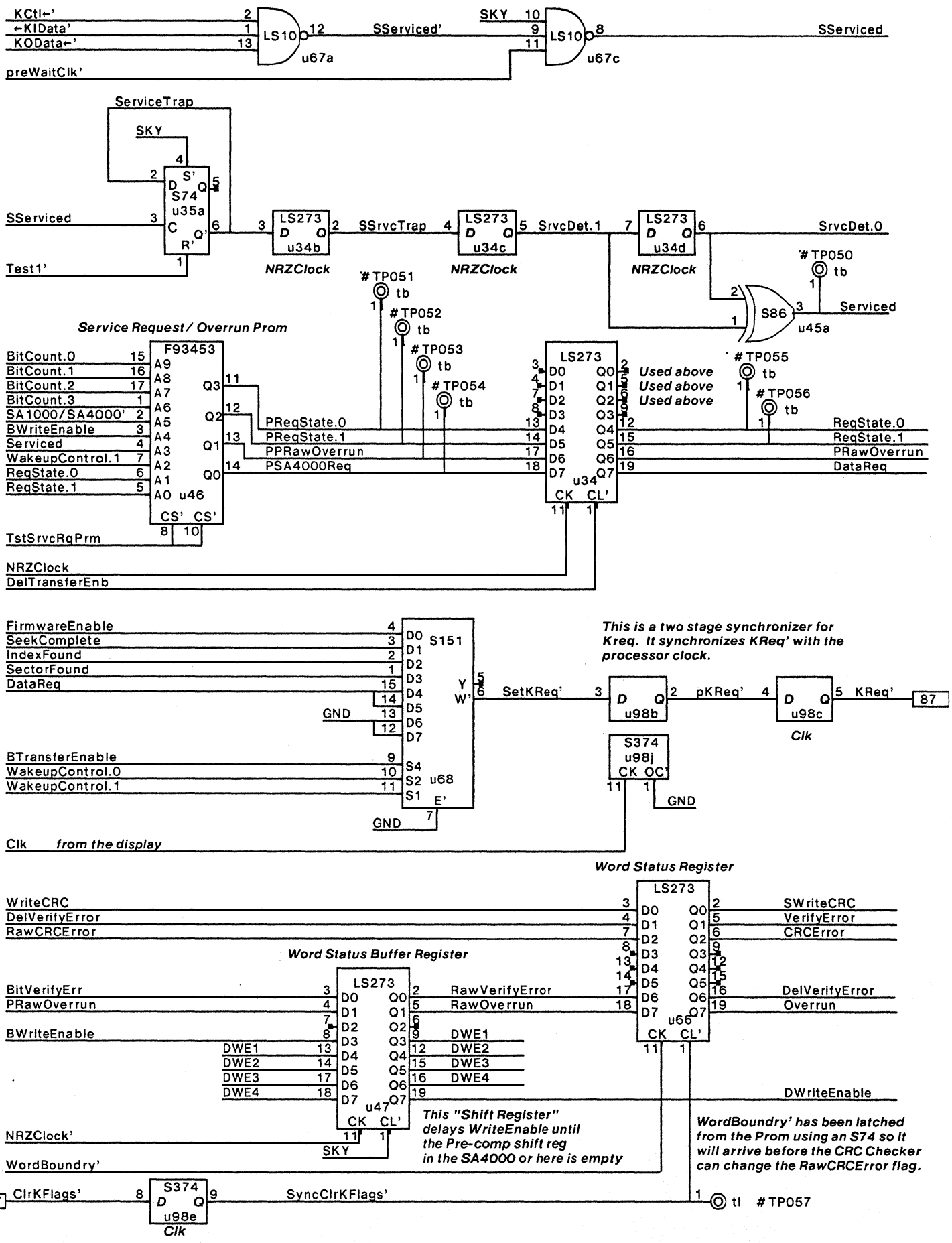
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 11 OF	



XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 12 OF	B

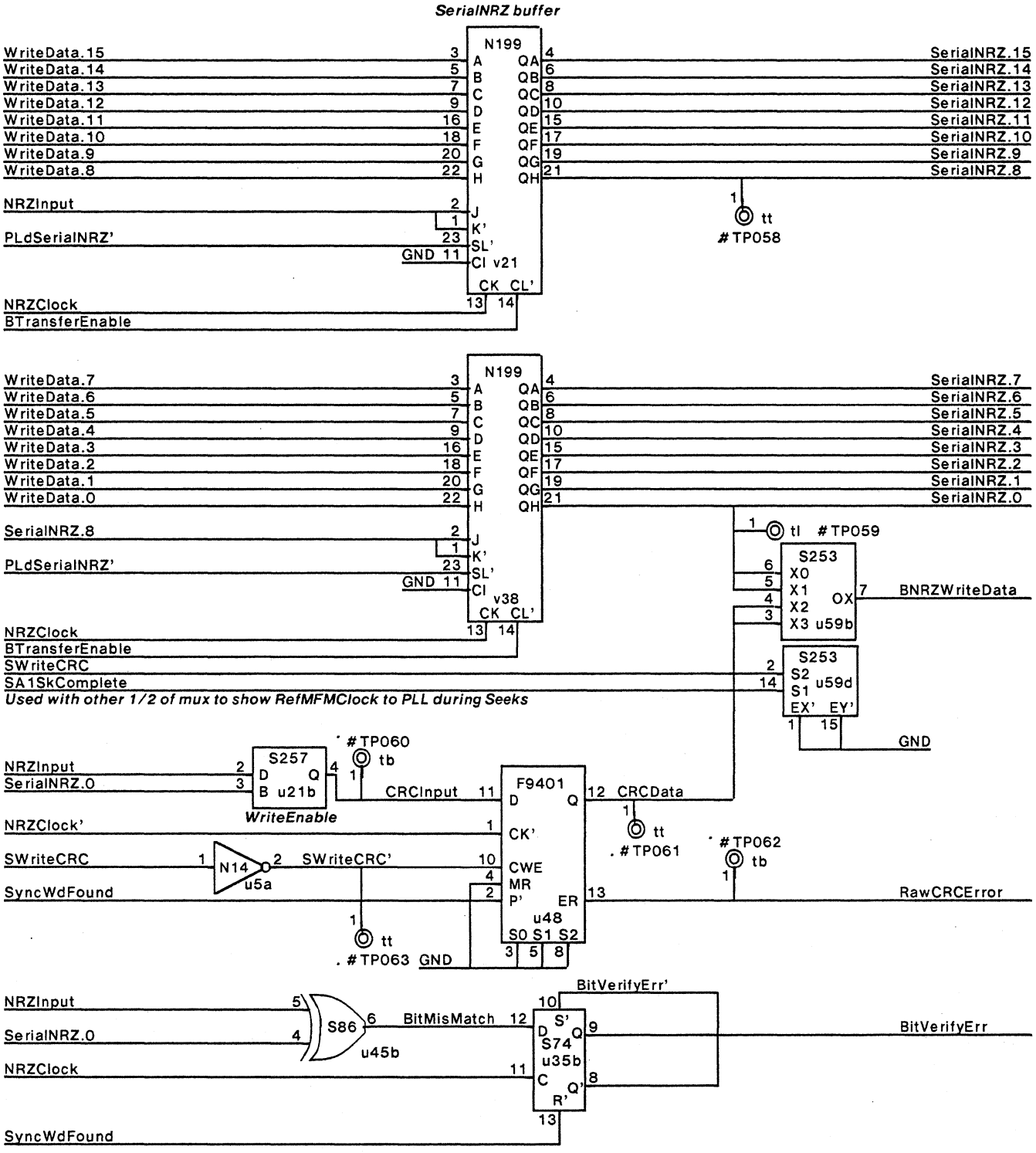


XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 13 OF	B

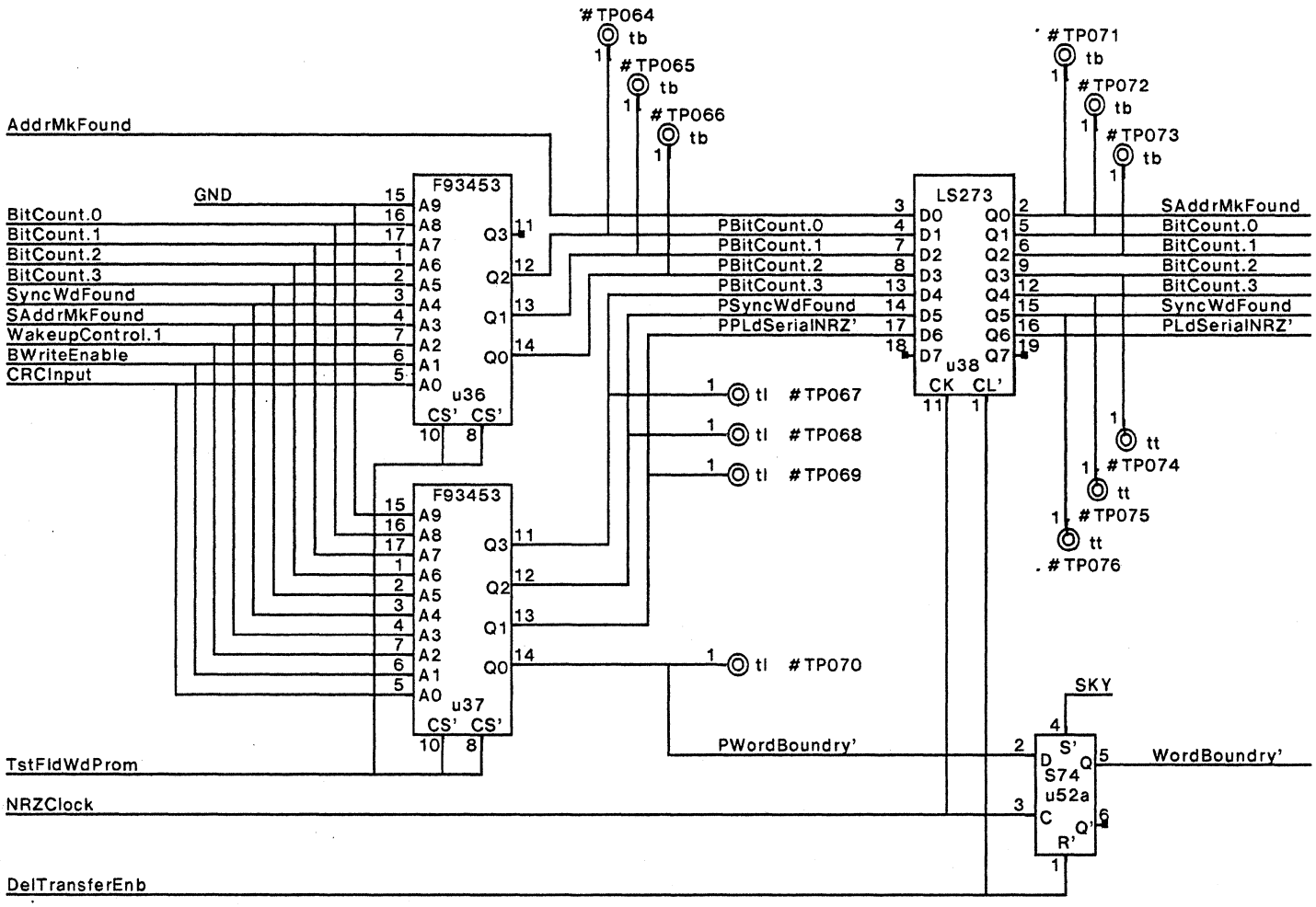


XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 14 OF	

SerialNRZ Shift Register and Error Checking

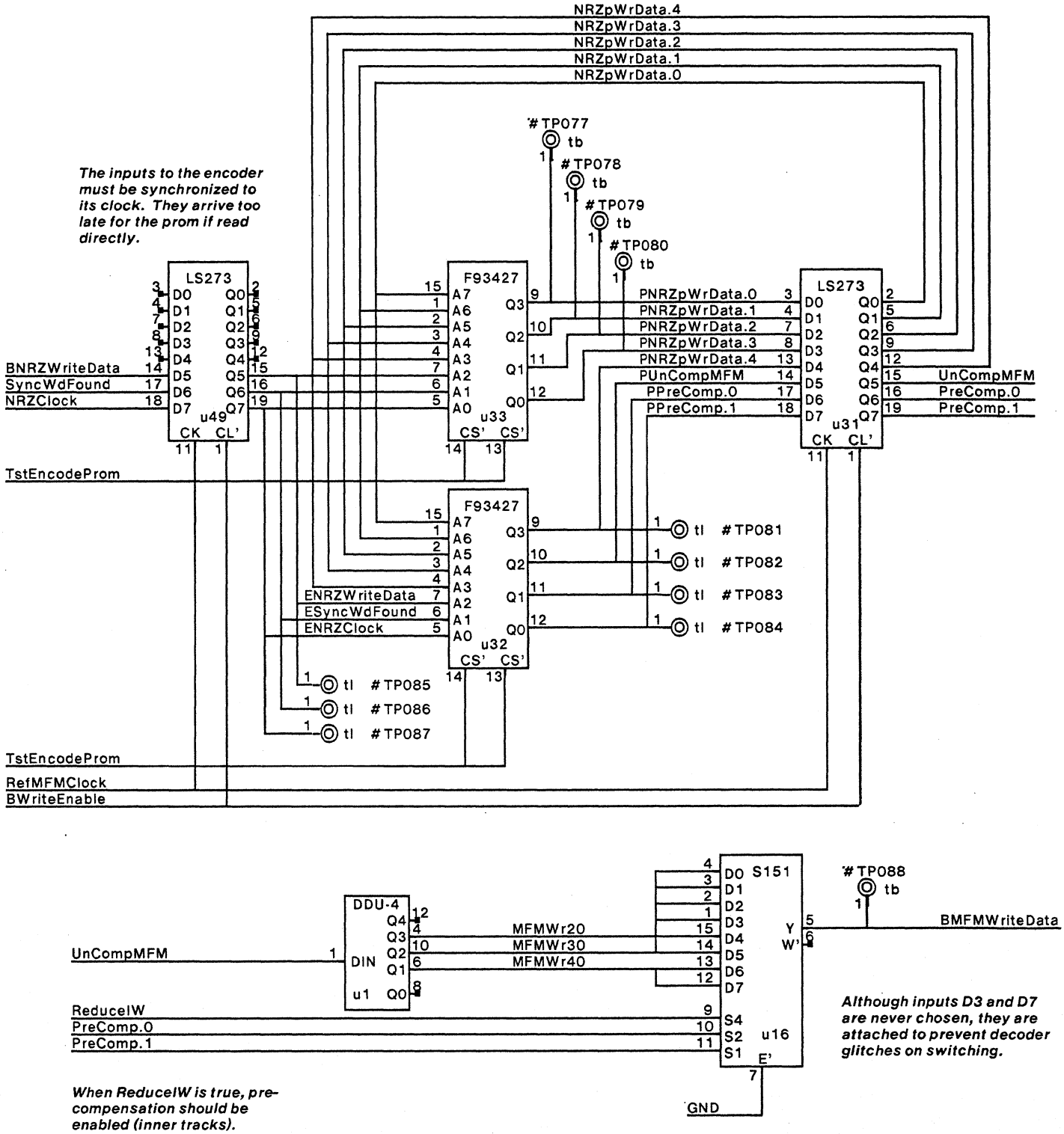


XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 15 OF	B

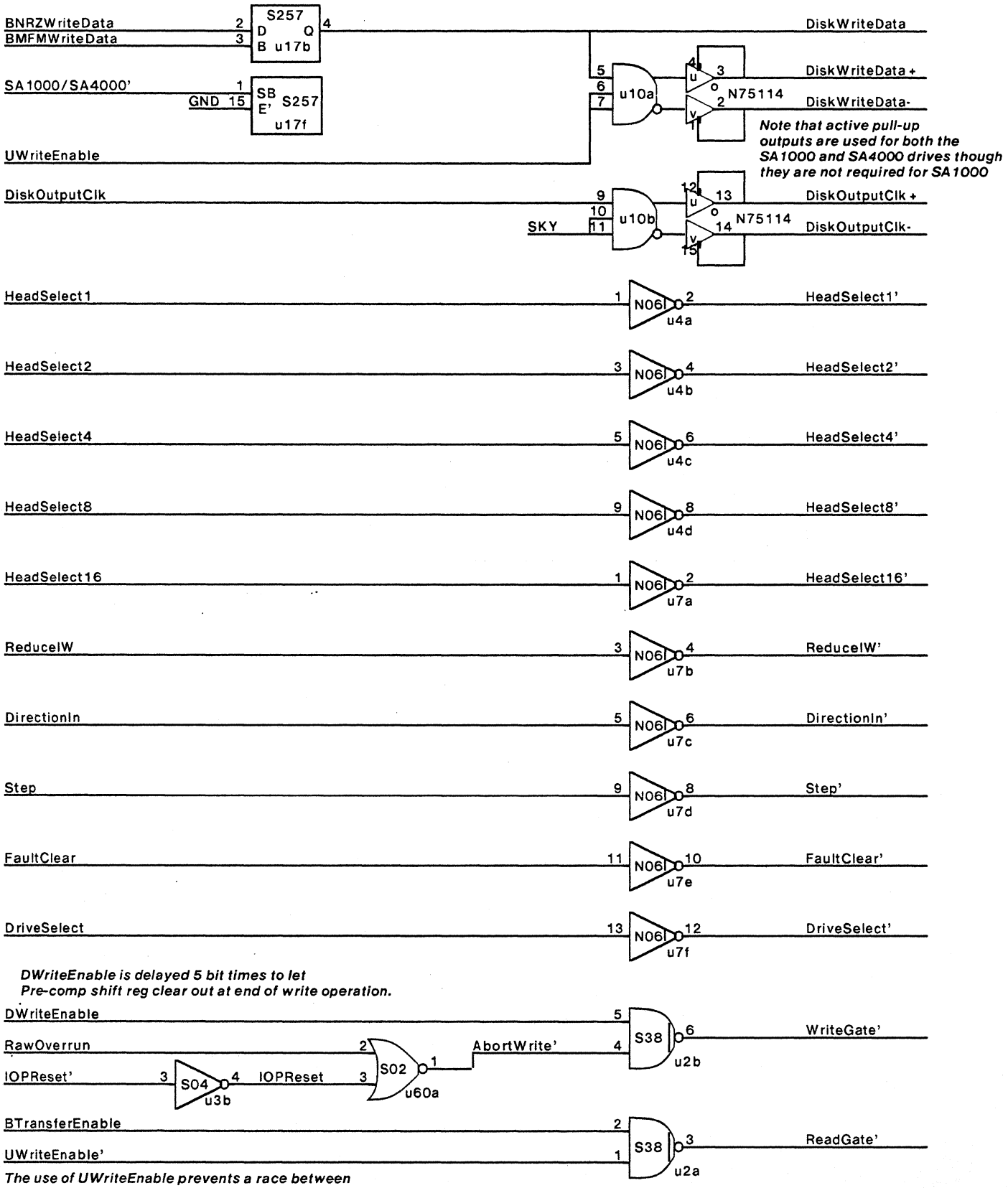


Using an S74 instead of the LS273 speeds up WordBoundry' so it will change before the RawCRCError indicator from the 9401 CRC Checker. This allows us to latch the CRCError signal directly using WordBoundry'. The RawCRCError signal is too slow to latch into the Word Status buffer register using NRZClock'. There is then a race between WordBoundry' and RawCRCError after NRZClock rises. Using the faster S74 here ensures WordBoundry' wins.

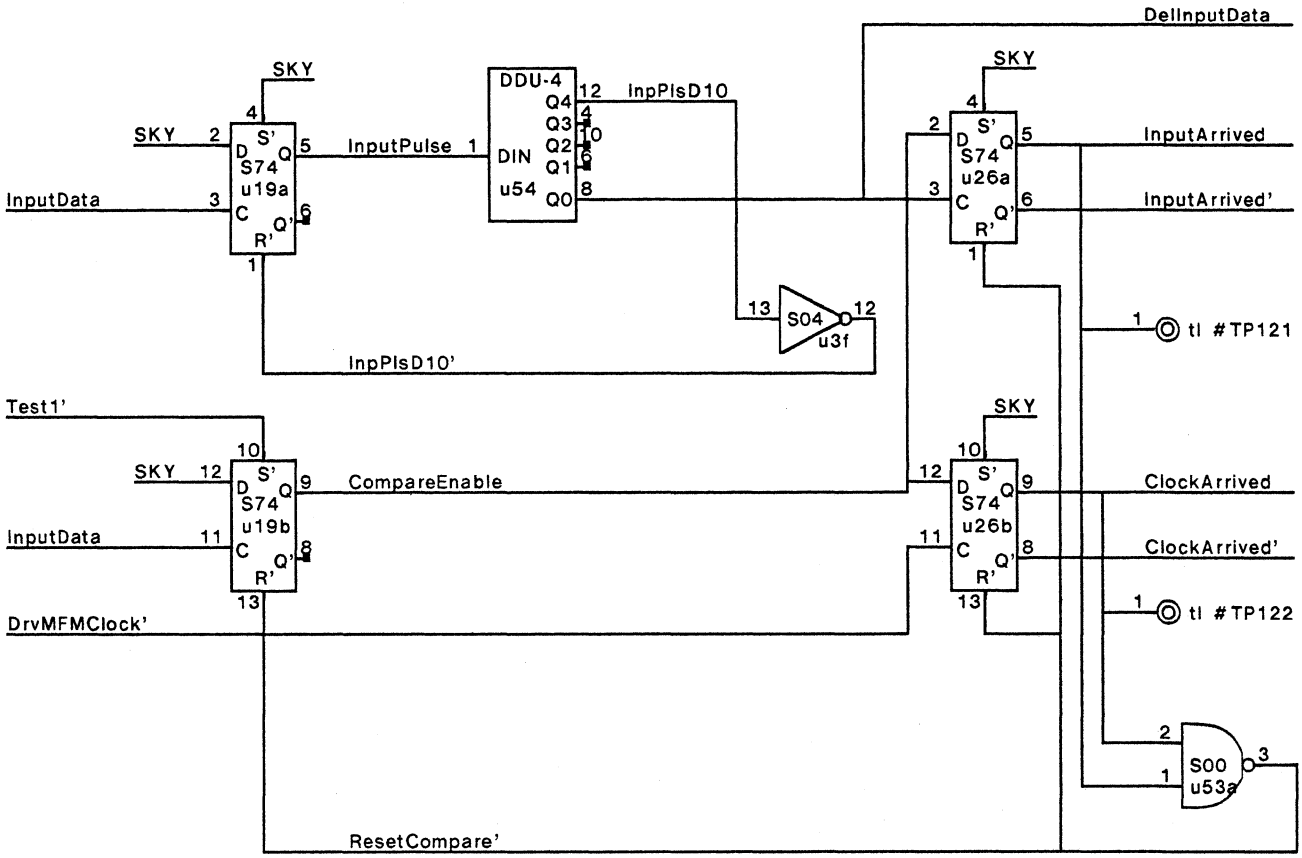
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 16 OF	B



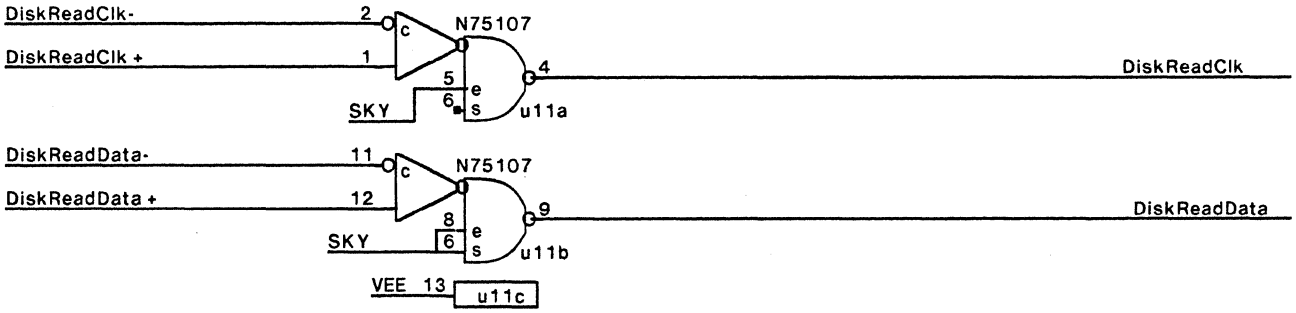
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 17 OF	B



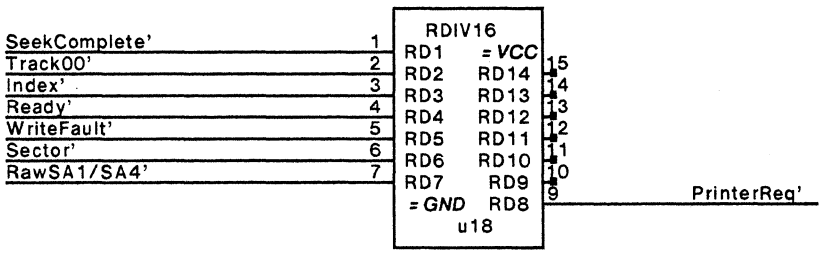
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 18 OF	B



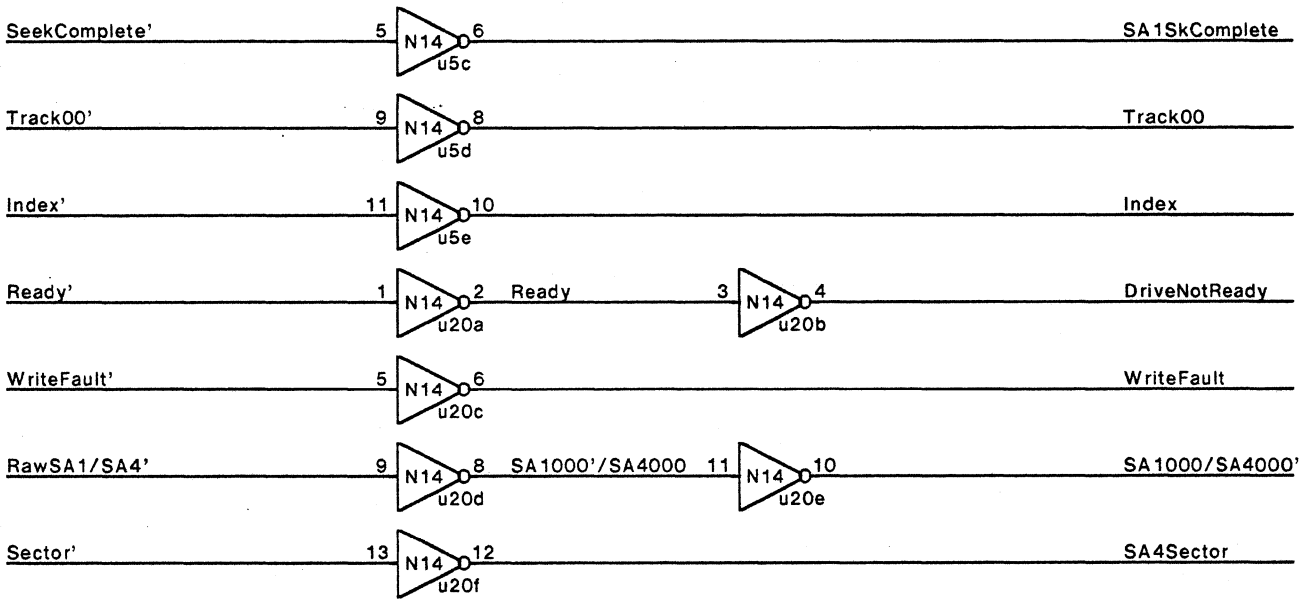
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 19 OF	



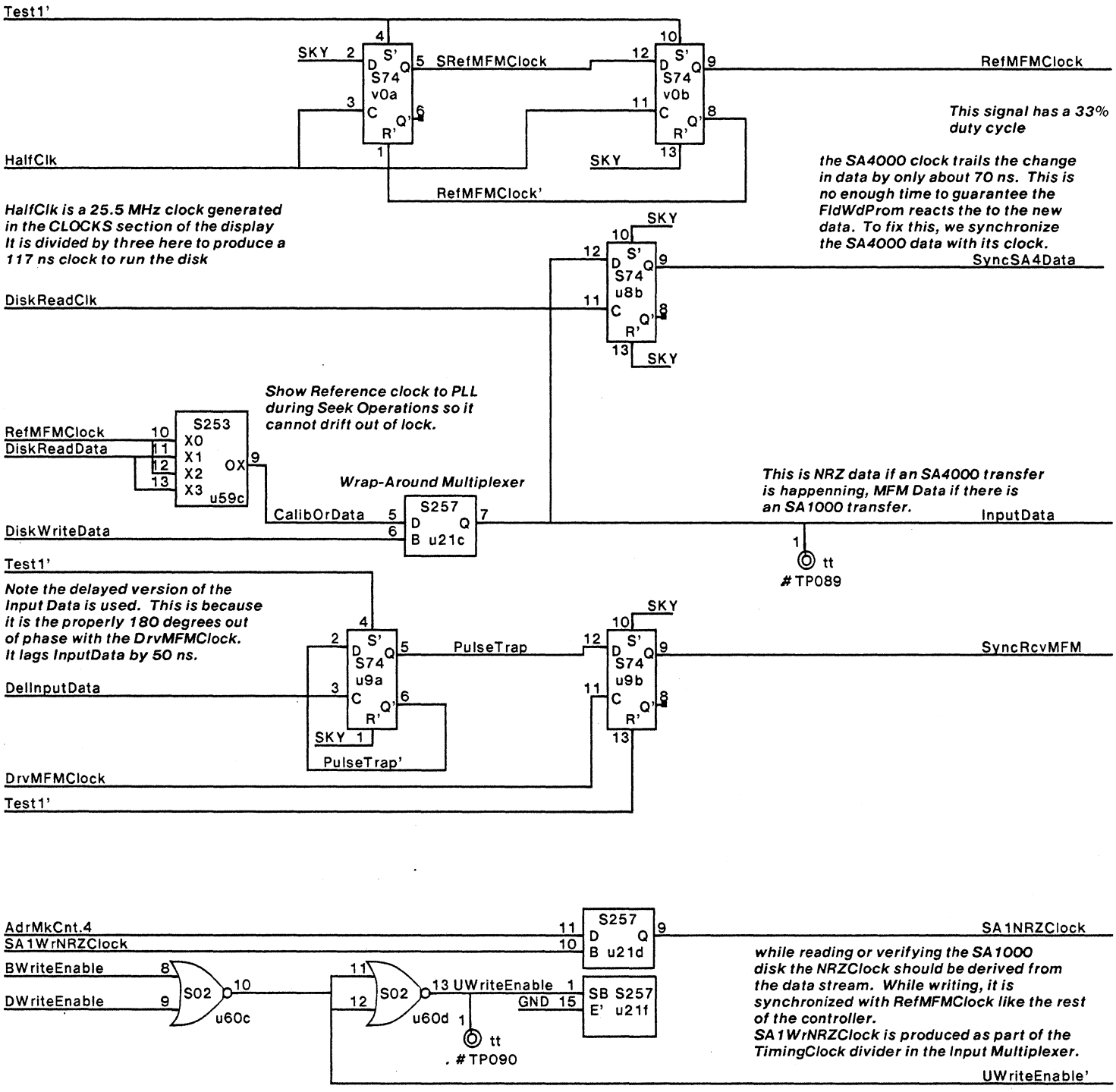
This is a Beckman RPack number 898-5-R220/330.



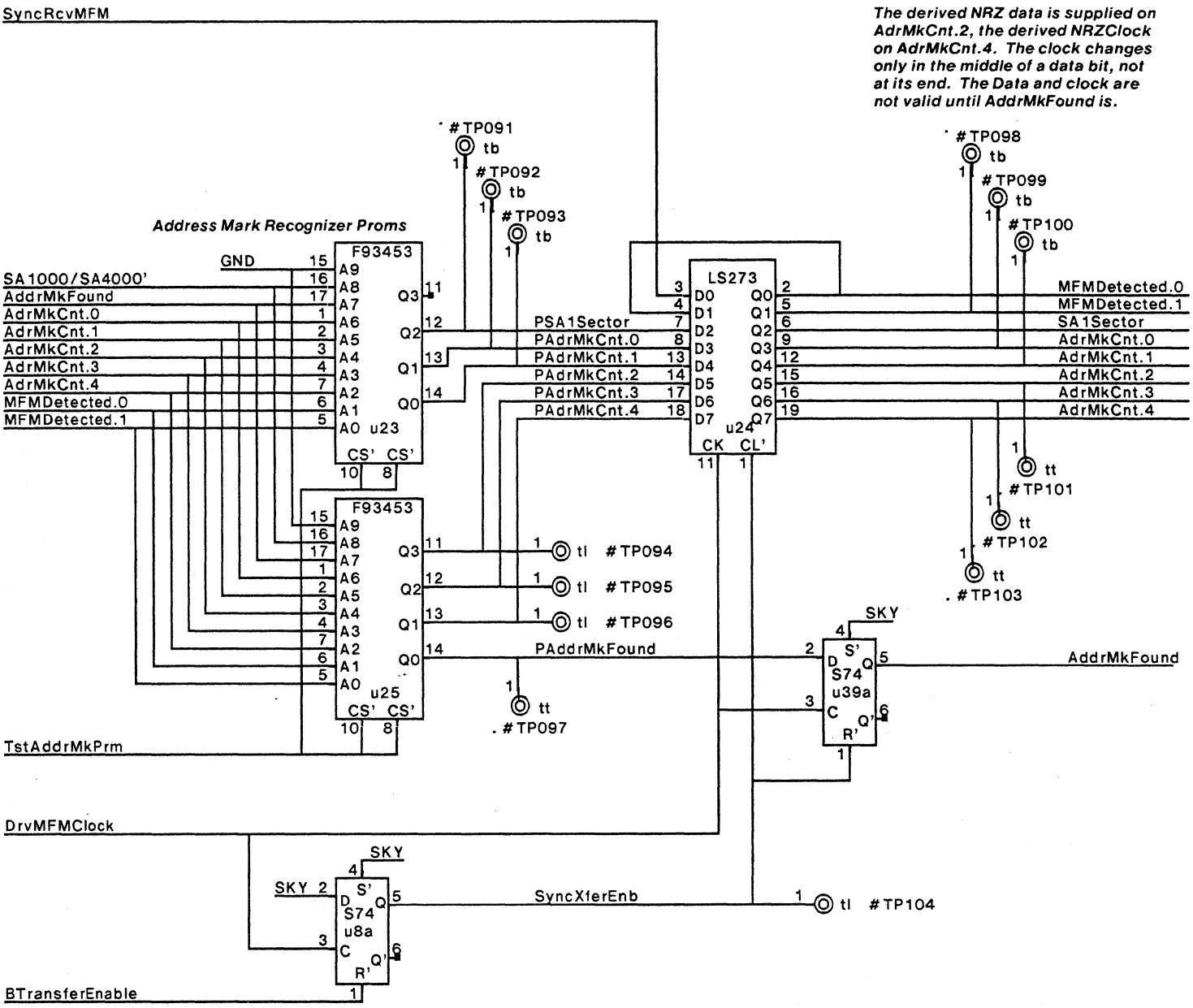
Pull this up so display request will work even if Options board is unplugged.



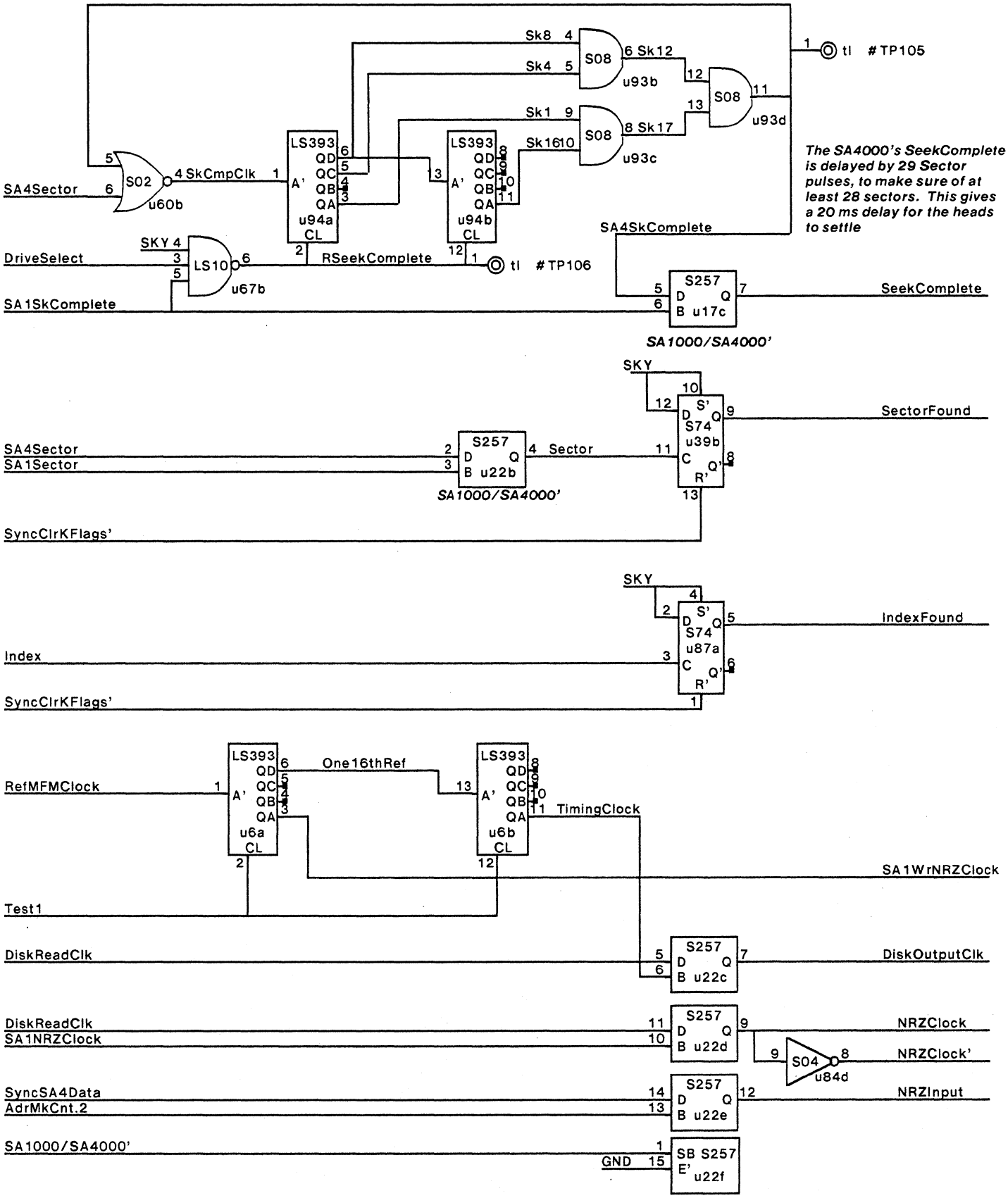
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 20 OF	B



XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 21 OF	B

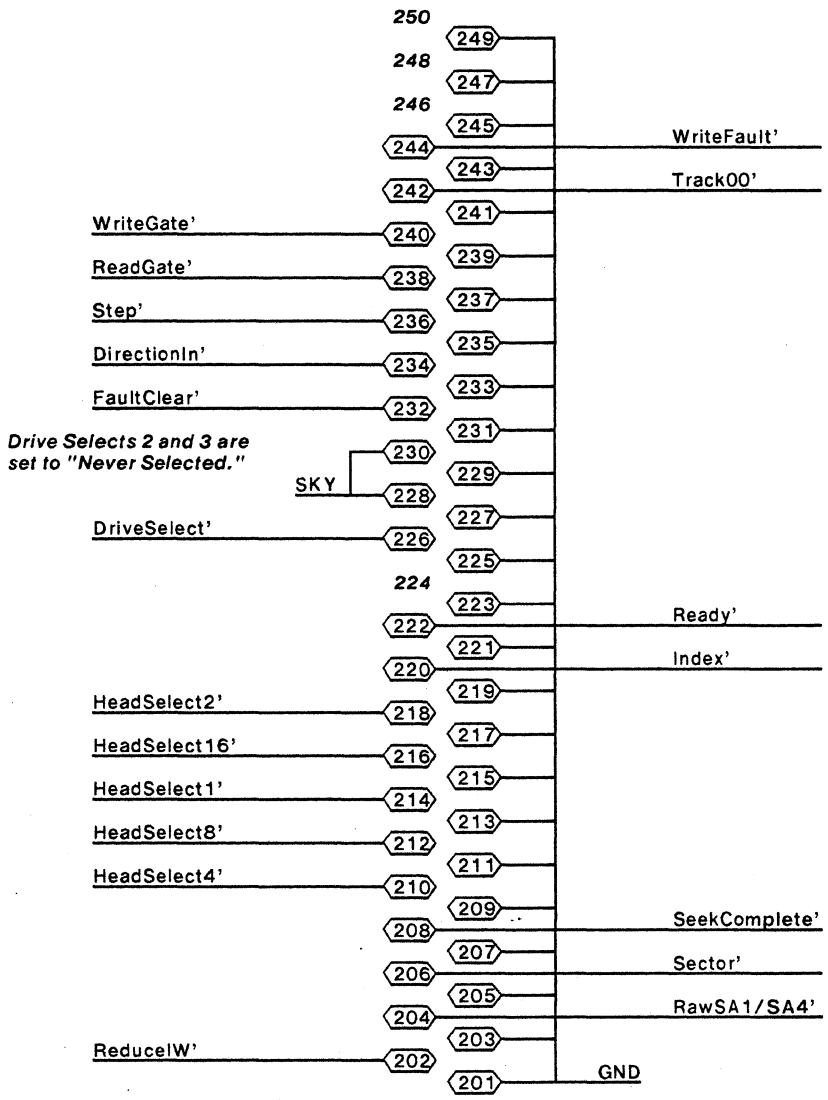


XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 22 OF	B

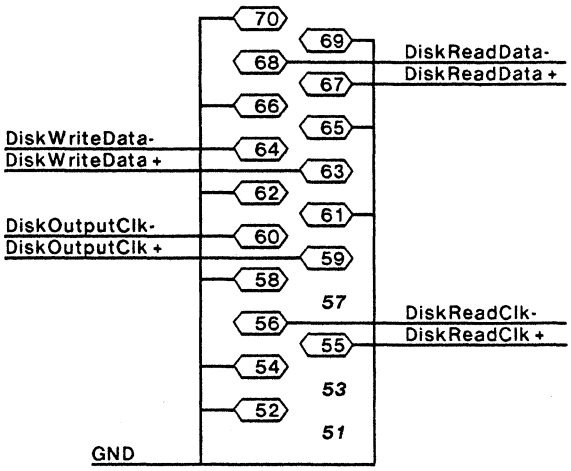


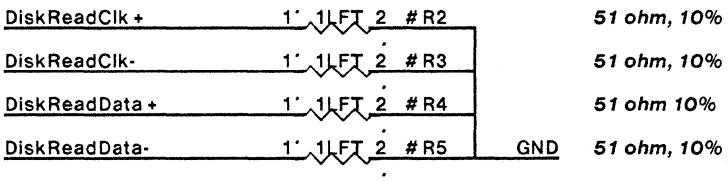
XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 23 OF	B

This 50 pin connector is in location D of the HSIO board.

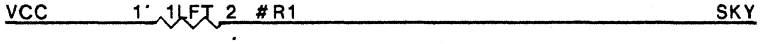


this 20 pin connector occupies position C on the HSIO board.

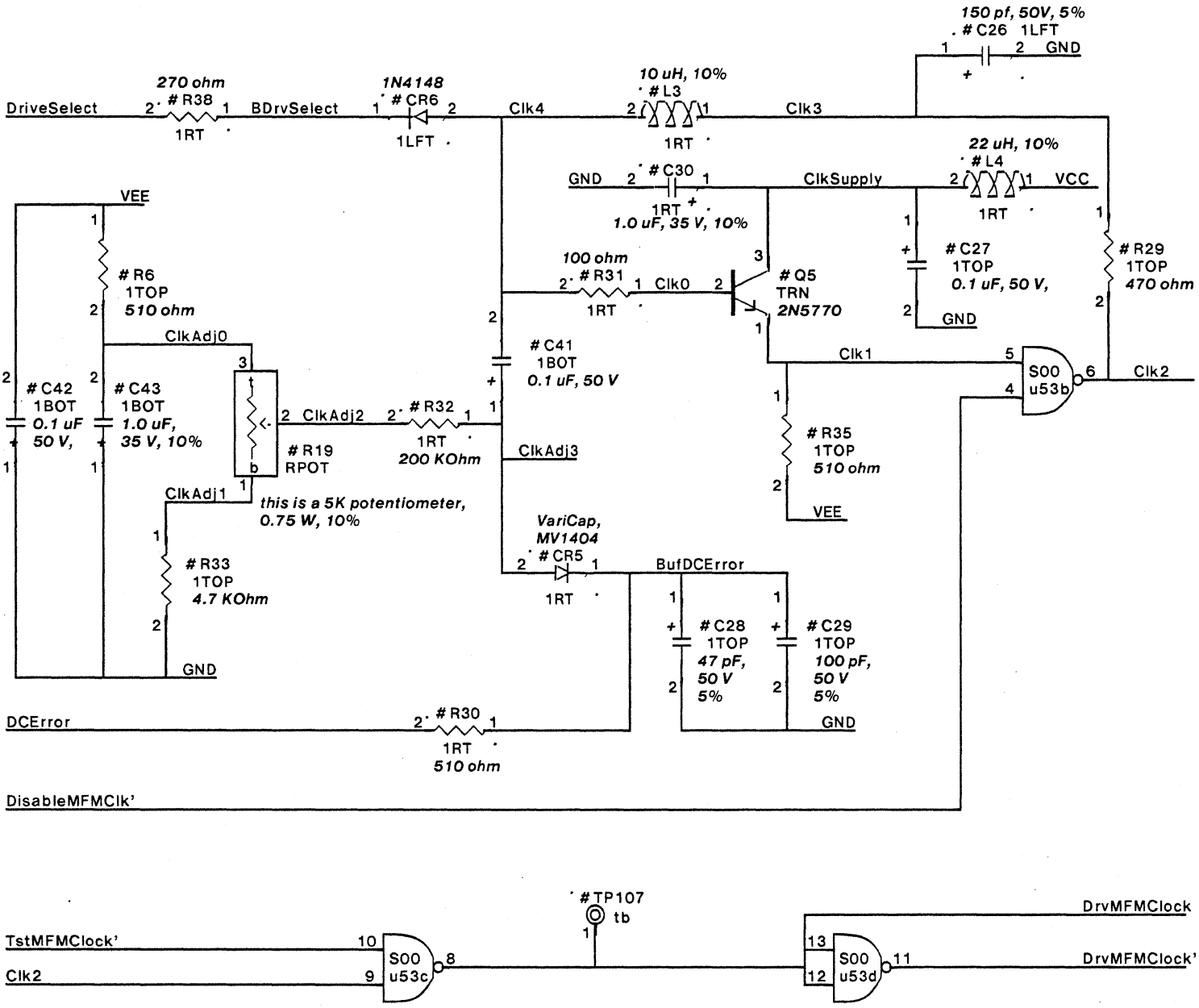




This resistor supplies logical one to the board
It is also 51 ohms

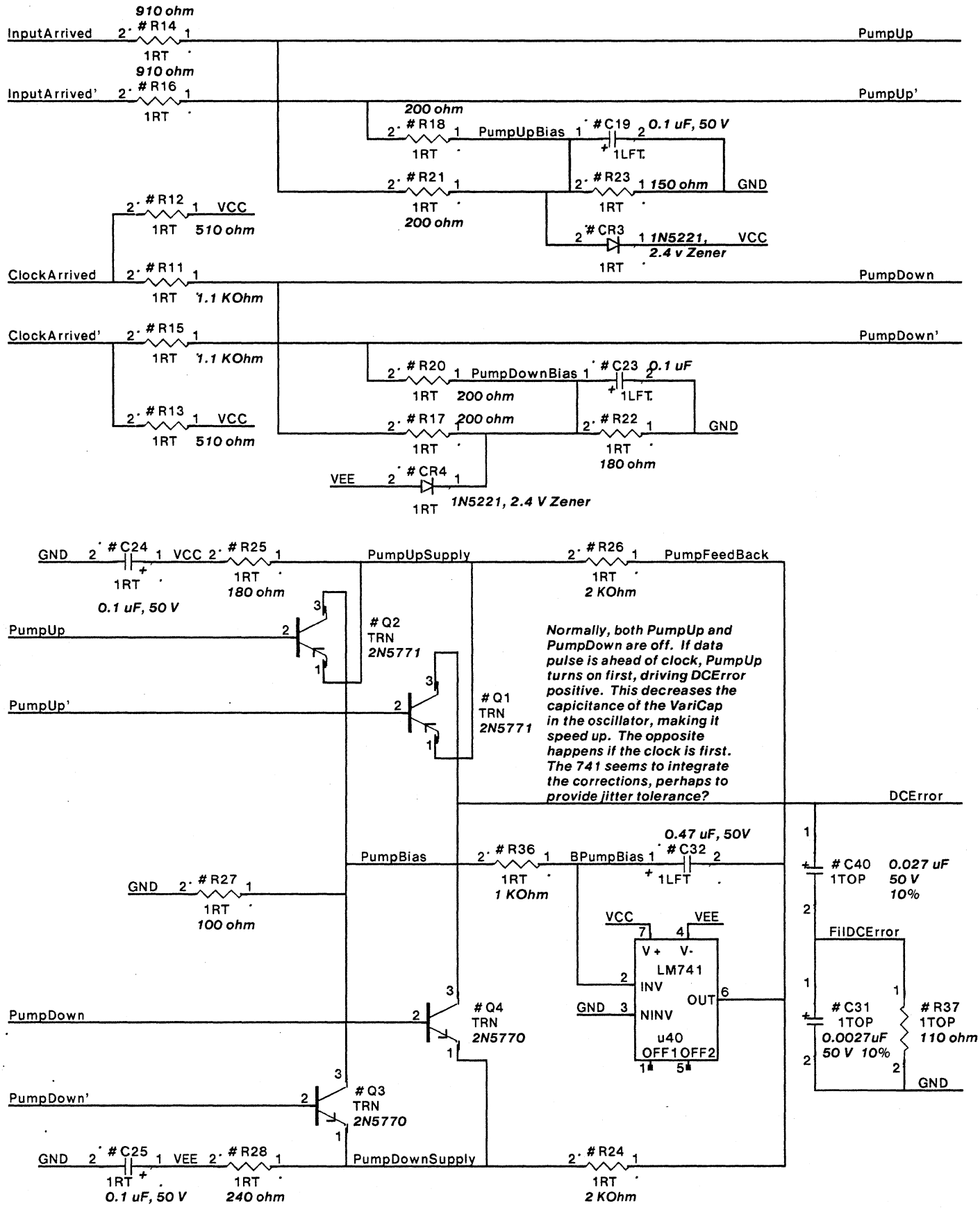


XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 24 OF	



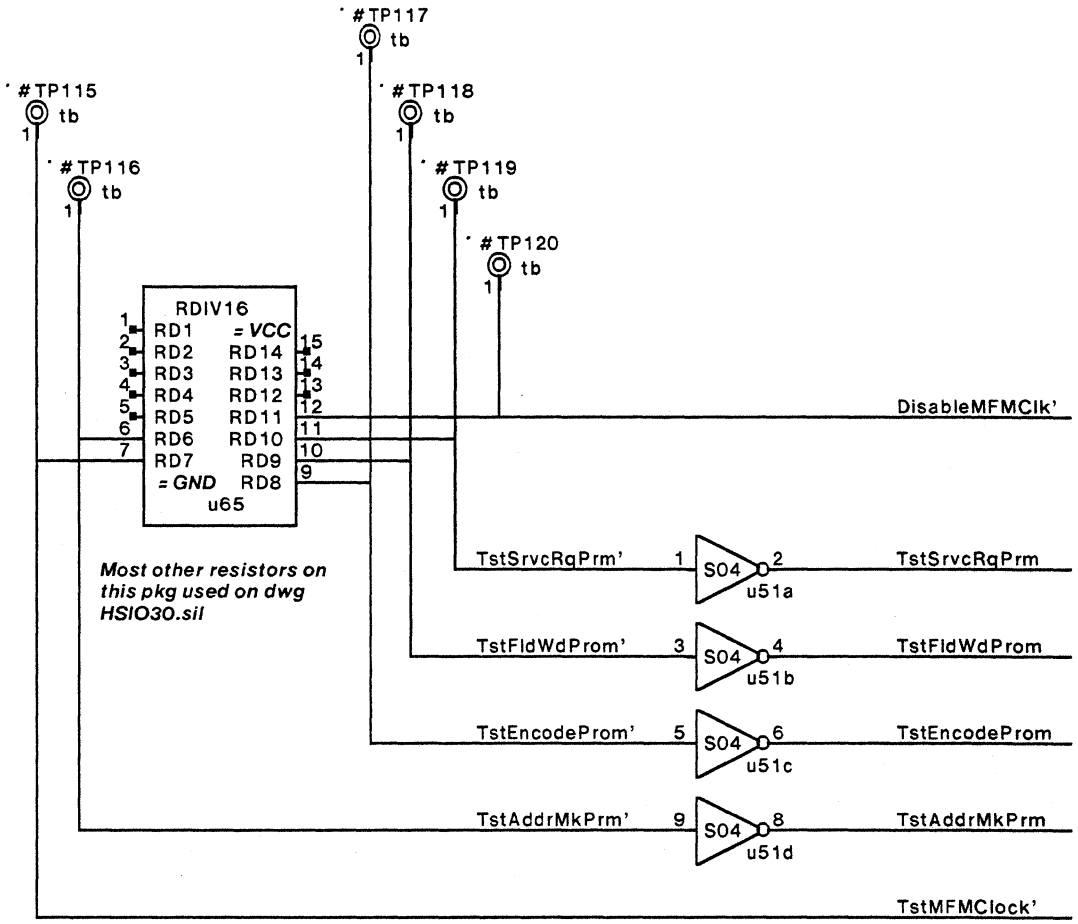
All resistors shown above are 0.25 watt, 5% parts

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 25 OF	B

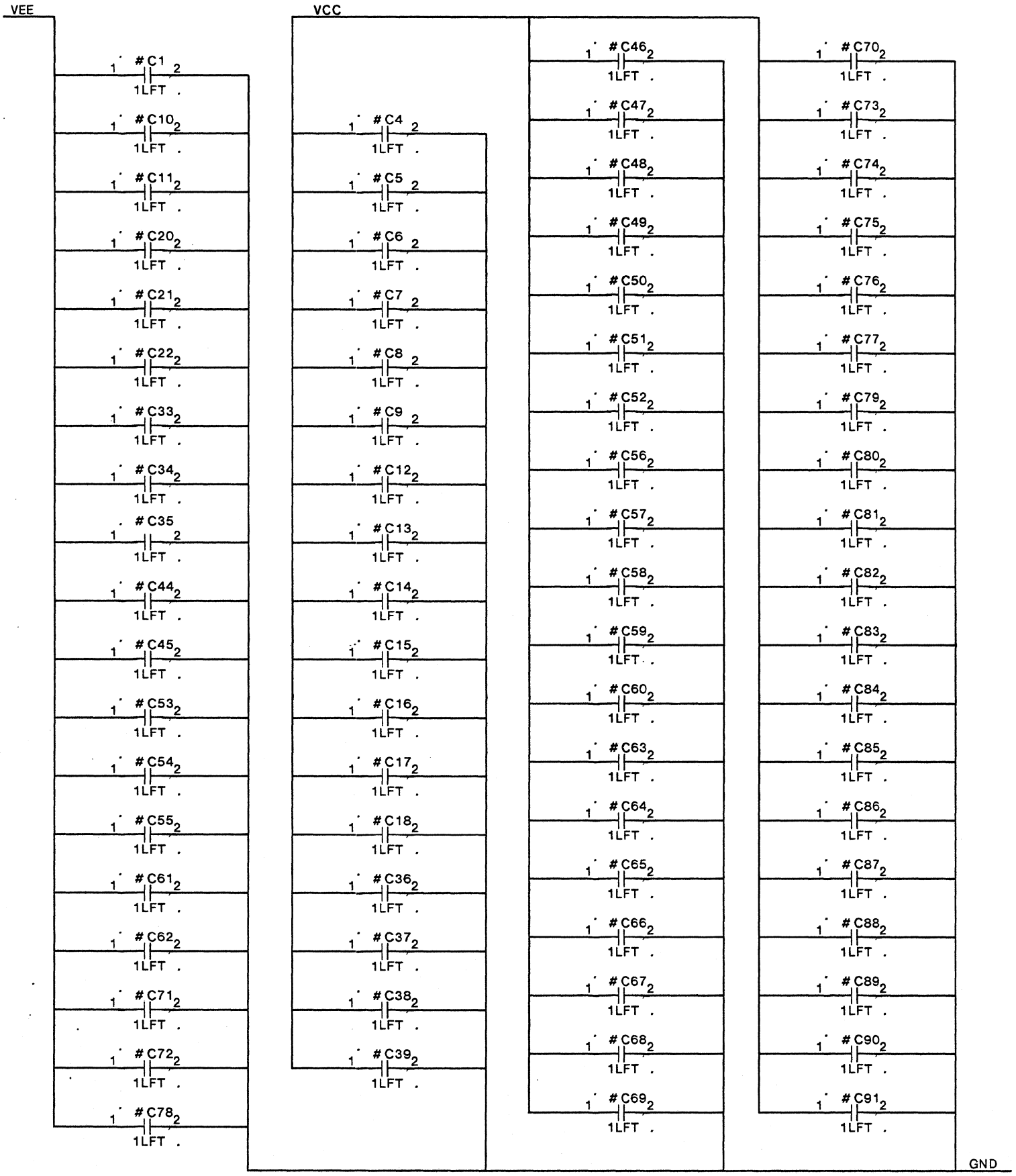


All resistors shown are 0.25 watt, 5% parts. All capcitors shown on this page have 10% tolerances.

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 26 OF	B



XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE A4	DWG NO. 156P11448	SHEET REV. B
	TITLE SCHEMATIC, HSIO		SHEET 27 OF	



NOTE: PART ID--702W05218, CAP., CERAM, +80-20% 50V .10UF

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 28 OF	B

Comments:

1) *Designator notation notes: u1-99 = U1-99, v0-99 = U100-199, w0-99 = U200-299*
2) *The last item on lines below, preceeded by a semicolon (;), is the schematic page number on which the test point, connector or signal information originates.*
3) *Line with no page number was a continuation of the previous line.*

```
#TP001    .1i  VCC                ;01
#TP002    .1i  VEE                ;01
#TP003    .1i  Test2              ;02
#TP004    .1i  BpCycle.3          ;03
#TP005    .1i  PPicSync           ;04
#TP006    .1i  HighDataOut        ;04
#TP007    .1i  LowDataOut         ;04
#TP008    .1i  HighBorderOut      ;04
#TP009    .1i  LowBorderOut       ;04
#TP010    .1i  pPHoriz'           ;04
#TP011    .1i  pPBlk              ;04
#TP012    .1i  pPD/P              ;04
#TP013    .1i  pPPic              ;04
#TP014    .1i  pVtClk             ;04
#TP015    .1i  pCDFifo            ;04
#TP016    .1i  pPReq'             ;04
#TP017    .1i  pNil               ;04
#TP018    .1i  Pic                ;04
#TP019    .1i  Blk                ;04
#TP028    .1i  EndAddr.10         ;06
#TP029    .1i  EndAddr.11         ;06
#TP030    .1i  EndAddr.12         ;06
#TP031    .1i  EndAddr.13         ;06
#TP032    .1i  EndAddr.14         ;06
#TP033    .1i  EndAddr.15         ;06
#TP034    .1i  EndSeg             ;07
#TP035    .1i  A63Ct              ;07
#TP036    .1i  LoDAdrCarry        ;07
#TP037    .1i  WC.0               ;07
#TP038    .1i  WC.1               ;07
#TP039    .1i  WC.2               ;07
#TP040    .1i  EndRndRead'        ;07
#TP041    .1i  PCt.0              ;07
#TP042    .1i  PCt.1              ;07
#TP043    .1i  PCt.2              ;07
#TP044    .1i  ECt.0              ;07
#TP045    .1i  ECt.1              ;07
#TP046    .1i  ECt.2              ;07
#TP047    .1i  WakeupControl.1    ;12
#TP048    .1i  BTransferEnable    ;12
#TP049    .1i  BWriteEnable       ;12
#TP050    .1i  Serviced           ;14
#TP051    .1i  PReqState.0        ;14
#TP052    .1i  PReqState.1        ;14
#TP053    .1i  PPRawOverrun       ;14
#TP054    .1i  PSA4000Req         ;14
#TP055    .1i  ReqState.0         ;14
#TP056    .1i  ReqState.1         ;14
#TP058    .1i  SerialNRZ.8        ;15
#TP059    .1i  SerialNRZ.0        ;15
#TP060    .1i  CRCInput           ;15
#TP061    .1i  CRCData            ;15
#TP062    .1i  RawCRCError        ;15
#TP063    .1i  SWriteCRC'         ;15
#TP064    .1i  PBitCount.0        ;16
#TP065    .1i  PBitCount.1        ;16
#TP066    .1i  PBitCount.2        ;16
#TP067    .1i  PBitCount.3        ;16
#TP068    .1i  PSyncWdFound       ;16
#TP069    .1i  PPLdSerialNRZ'     ;16
#TP070    .1i  PWordBoundry'      ;16
#TP071    .1i  SAddrMkFound       ;16
#TP072    .1i  BitCount.0         ;16
#TP073    .1i  BitCount.1         ;16
#TP074    .1i  BitCount.2         ;16
#TP075    .1i  BitCount.3         ;16
#TP076    .1i  SyncWdFound        ;16
#TP077    .1i  PNRZpWrData.0      ;17
#TP078    .1i  PNRZpWrData.1      ;17
#TP079    .1i  PNRZpWrData.2      ;17
#TP080    .1i  PNRZpWrData.3      ;17
#TP081    .1i  PNRZpWrData.4      ;17
#TP082    .1i  PUnCompMFM         ;17
#TP083    .1i  PPreComp.0         ;17
#TP084    .1i  PPreComp.1         ;17
#TP085    .1i  ENRZWriteData      ;17
#TP086    .1i  ESyncWdFound       ;17
#TP087    .1i  ENRZClock          ;17
#TP088    .1i  BMFMWriteData      ;17
#TP089    .1i  InputData          ;21
#TP090    .1i  UWriteEnable       ;21
#TP091    .1i  PSA1Sector         ;22
#TP092    .1i  PAdrMkCnt.0        ;22
#TP093    .1i  PAdrMkCnt.1        ;22
#TP094    .1i  PAdrMkCnt.2        ;22
#TP095    .1i  PAdrMkCnt.3        ;22
#TP096    .1i  PAdrMkCnt.4        ;22
#TP097    .1i  PAddrMkFound       ;22
#TP098    .1i  MFMDetected.1      ;22
#TP099    .1i  AdrMkCnt.0         ;22
#TP100    .1i  AdrMkCnt.1         ;22
#TP101    .1i  AdrMkCnt.2         ;22
#TP102    .1i  AdrMkCnt.3         ;22
#TP103    .1i  AdrMkCnt.4         ;22
#TP104    .1i  SyncXferEnb        ;22
#TP106    .1i  RSeekComplete      ;23
#TP107    .1i  DrvMFMClock        ;25
#TP108    .1i  TstEndCntPrm'      ;10
#TP109    .1i  TstDispVrtPm'      ;10
#TP110    .1i  TstEndAddrHi'      ;10
#TP111    .1i  TstDataBorder'     ;10
#TP112    .1i  Enb51MHz           ;10
```

#TP113	.1i	Gated51MHz'	;09
#TP114	.1i	Test1'	;10
#TP115	.1i	TstMFMClock'	;27
#TP116	.1i	TstAddrMkPrm'	;27
#TP117	.1i	TstEncodeProm'	;27
#TP118	.1i	TstFldWdProm'	;27
#TP119	.1i	TstSrvcRqPrm'	;27
#TP120	.1i	DisableMFMClk'	;27
#TP121	.1i	InputArrived	;19
#TP122	.1i	ClockArrived	;19
C001		HSync	;09
C002		GND	;09
C003		VSync'	;09
C004		GND	;09
C005		Video	;09
C006		Video'	;09
C007		GND	;09
C008		VEE	;09
C009		GND	;09
C052		GND	;24
C054		GND	;24
C055		DiskReadClk+	;24
C056		DiskReadClk-	;24
C058		GND	;24
C059		DiskOutputClk+	;24
C060		DiskOutputClk-	;24
C061		GND	;24
C062		GND	;24
C063		DiskWriteData+	;24
C064		DiskWriteData-	;24
C065		GND	;24
C066		GND	;24
C067		DiskReadData+	;24
C068		DiskReadData-	;24
C069		GND	;24
C070		GND	;24
C201		GND	;24
C202		ReduceIW'	;24
C203		GND	;24
C204		RawSA1/SA4'	;24
C205		GND	;24
C206		Sector'	;24
C207		GND	;24
C208		SeekComplete'	;24
C209		GND	;24
C210		HeadSelect4'	;24
C211		GND	;24
C212		HeadSelect8'	;24
C213		GND	;24
C214		HeadSelect1'	;24
C215		GND	;24
C216		HeadSelect16'	;24
C217		GND	;24
C218		HeadSelect2'	;24
C219		GND	;24
C220		Index'	;24
C221		GND	;24
C222		Ready'	;24
C223		GND	;24
C225		GND	;24
C226		DriveSelect'	;24
C227		GND	;24
C228		SKY	;24
C229		GND	;24
C230		SKY	;24
C231		GND	;24
C232		FaultClear'	;24
C233		GND	;24
C234		DirectionIn'	;24
C235		GND	;24
C236		Step'	;24
C237		GND	;24
C238		ReadGate'	;24
C239		GND	;24
C240		WriteGate'	;24
C241		GND	;24
C242		Track00'	;24
C243		GND	;24
C244		WriteFault'	;24
C245		GND	;24
C247		GND	;24
C249		GND	;24
E002		Cycle.1'	;03
E003		Cycle.2'	;03
E004		Cycle.3'	;03
E005		RAS'	;02
E006		CAS	;02
E007		WPulse	;02
E009		ppClk	;02
E017		Wait	;03
E022		KOData← '	;12
E024		DCtlFifo← '	;06
E025		DBorder← '	;05
E032		←KIData'	;13
E041		X.0	;10
E042		X.2	;10
E043		X.4	;10
E044		X.6	;10
E045		X.8	;10
E046		X.10	;10
E047		X.12	;10
E048		X.14	;10
E049		Y.00	;06
E050		BackVCC	;01
E051		BackVCC	;01
E052		Y.02	;06
E053		Y.04	;06
E054		Y.06	;06
E055		Y.08	;06
E056		Y.10	;06
E057		Y.12	;06
E058		Y.14	;06
E066		Disp/Proc.'	;08
E067		DAddr.00	;06
E068		DAddr.02	;06
E069		DAddr.04	;06

```
E071            DAddr.06        ;06
E072            DAddr.08        ;06
E073            DAddr.10        ;07
E074            DAddr.12        ;07
E075            DAddr.14        ;07
E076            DData.00        ;05
E077            DData.02        ;05
E078            DData.04        ;05
E079            DData.06        ;05
E081            DData.08        ;05
E082            DData.10        ;05
E083            DData.12        ;05
E084            DData.14        ;05
E085            DPReq'          ;04
E087            KReq'           ;14
E089            GND             ;03
E100            BackVEE         ;01
E102            Click.0         ;03
E103            Click.1         ;03
E104            Click.2         ;03
E105            LRAS'           ;08
E106            LCAS            ;08
E117            IOPReset'       ;04
E122            KCtl←'          ;12
E124            DCtl←'          ;04
E132            ←KStatus'       ;13
E135            PrinterReq'     ;04
E137            EndLine'        ;03
E141            X.1             ;10
E142            X.3             ;10
E143            X.5             ;10
E144            X.7             ;10
E145            X.9             ;10
E146            X.11            ;10
E147            X.13            ;10
E148            X.15            ;10
E149            Y.01            ;06
E150            BackVCC         ;01
E151            BackVCC         ;01
E152            Y.03            ;06
E153            Y.05            ;06
E154            Y.07            ;06
E155            Y.09            ;06
E156            Y.11            ;06
E157            Y.13            ;06
E158            Y.15            ;06
E167            DAddr.01        ;06
E168            DAddr.03        ;06
E169            DAddr.05        ;06
E171            DAddr.07        ;06
E172            DAddr.09        ;06
E173            DAddr.11        ;07
E174            DAddr.13        ;07
E175            DAddr.15        ;07
E176            DData.01        ;05
E177            DData.03        ;05
E178            DData.05        ;05
E179            DData.07        ;05
E181            DData.09        ;05
E182            DData.11        ;05
E183            DData.13        ;05
E184            DData.15        ;05
E185            ClrDPReq'       ;04
E187            ClrKFlags'      ;14
E200            BackVEE         ;01

51MHz': u73.1o   ;02
51MHz': u89.9i   ;02
51MHz': v06.11i  ;08
51MHz': v08.6i   ;11

51MHz:  u74.13i  ;02
51MHz:  u28.9i   ;02
51MHz:  u73.3o   ;02
51MHz:  v07.9i   ;02
51MHz:  u56.4i   ;04
51MHz:  u42.4i   ;04
51MHz:  u13.13i  ;04
51MHz:  u14.9i   ;04
51MHz:  u57.9i   ;08
51MHz:  u90.9i   ;08
51MHz:  v06.6i   ;08
51MHz:  v26.9i   ;08
51MHz:  v25.13i  ;08
51MHz:  v08.9o   ;11
51MHz:  u29.14o  ;11

A63Ct': u96.9i, u97.8o ;07

A63Ct:  #TP035.1i, u96.15o, u97.9i ;07
A63Ct:  u62.6i   ;07
A63Ct:  u63.13i  ;07

AbortWrite':  u60.1o, u02.4i ;18

AddrMkFound:  u38.3i   ;16
AddrMkFound:  u25.17i, u23.17i  ;22
AddrMkFound:  u39.5o   ;22

AdrMkCnt.0:   u25.1i, u23.1i ;22
AdrMkCnt.0:   #TP099.1i, u24.9o ;22

AdrMkCnt.1:   u25.2i, u23.2i ;22
AdrMkCnt.1:   #TP100.1i, u24.12o   ;22

AdrMkCnt.2:   u25.3i, u23.3i ;22
AdrMkCnt.2:   #TP101.1i, u24.15o   ;22
AdrMkCnt.2:   u22.13i  ;23

AdrMkCnt.3:   u25.4i, u23.4i ;22
AdrMkCnt.3:   #TP102.1i, u24.16o   ;22

AdrMkCnt.4:   u21.11i  ;21
AdrMkCnt.4:   u25.7i, u23.7i ;22
AdrMkCnt.4:   #TP103.1i, u24.19o   ;22

BackVCC:   E150, E51, E151, E50 ;01
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 31 OF	B

```
BackVCC:    #F2.2i

BackVEE:    E200, E100, #F1.2i   ;01

BDD.00: v30.2o, v15.4i ;05

BDD.01: v30.5o, v15.5i ;05

BDD.02: v30.6o, v15.6i ;05

BDD.03: v30.9o, v15.7i ;05

BDD.04: v30.12o, v15.8i   ;05

BDD.05: v30.15o, v12.4i   ;05

BDD.06: v30.16o, v12.5i   ;05

BDD.07: v30.19o, v12.6i   ;05

BDD.08: v29.2o, v14.4i ;05

BDD.09: v29.5o, v14.5i ;05

BDD.10: v29.6o, v14.6i ;05

BDD.11: v29.9o, v14.7i ;05

BDD.12: v29.12o, v14.8i   ;05

BDD.13: v29.15o, v11.4i   ;05

BDD.14: v29.16o, v11.5i   ;05

BDD.15: v29.19o, v11.6i   ;05

BDrvSelect:   #R38.1o, #CR6.1i  ;25

BHoriz: u88.4o   ;04
BHoriz: #L1.2i   ;09
BHoriz: v03.13i  ;13

BitCount.0:   u46.15i  ;14
BitCount.0:   u37.16i, u36.16i  ;16
BitCount.0:   #TP072.1i, u38.5o ;16

BitCount.1:   u46.16i  ;14
BitCount.1:   u37.17i, u36.17i  ;16
BitCount.1:   #TP073.1i, u38.6o ;16

BitCount.2:   u46.17i  ;14
BitCount.2:   u37.1i, u36.1i ;16
BitCount.2:   #TP074.1i, u38.9o ;16

BitCount.3:   u46.1i   ;14
BitCount.3:   u37.2i, u36.2i ;16
BitCount.3:   #TP075.1i, u38.12o   ;16

BitMisMatch:  u45.6o, u35.12i   ;15

BitVerifyErr':   u35.10i, u35.8o   ;15

BitVerifyErr: u47.3i   ;14
BitVerifyErr: u35.9o   ;15

Blank': u73.12o  ;04
Blank': u14.10i  ;04
Blank': u29.15o  ;11

Blk:    u79.5i   ;04
Blk:    v17.16o, #TP019.1i   ;04

BMFMWriteData:   #TP088.1i, u16.5o ;17
BMFMWriteData:   u17.3i   ;18

BNRZWriteData:   u59.7o   ;15
BNRZWriteData:   u49.14i  ;17
BNRZWriteData:   u17.2i   ;18

BPBS:   u82.2i, u99.14i, u82.6o ;04

BpCycle.3: #TP004.1i, v41.10i   ;03
BpCycle.3: v41.7i, v43.5o, v47.12i

BPumpBias: u40.2i, #R36.1o   ;26
BPumpBias: #C32.1i

BTransferEnable: v37.1i, v20.1i ;12
BTransferEnable: #TP048.1i, u87.9o ;12
BTransferEnable: u50.1i   ;12
BTransferEnable: u68.9i   ;14
BTransferEnable: v21.14i  ;15
BTransferEnable: v38.14i  ;15
BTransferEnable: u02.2i   ;18
BTransferEnable: u08.1i   ;22

BufDCError:   #C28.1i, #R30.1o  ;25
BufDCError:   #CR5.1o, #C29.1i

BufX.0: v35.18o  ;10
BufX.0: v36.3i   ;12
BufX.0: v37.3i   ;12

BufX.10:   v17.7i   ;04
BufX.10:   v18.14o  ;10
BufX.10:   v19.7i   ;12
BufX.10:   v20.7i   ;12

BufX.11:   v17.8i   ;04
BufX.11:   v18.12o  ;10
BufX.11:   u87.12i  ;12
BufX.11:   v20.8i   ;12

BufX.12:   v17.13i  ;04
BufX.12:   v18.3o   ;10
BufX.12:   v19.13i  ;12
BufX.12:   v20.13i  ;12
```

```
BufX.13:    v17.14i  ;04
BufX.13:    v18.5o   ;10
BufX.13:    v19.14i  ;12
BufX.13:    v20.14i  ;12

BufX.14:    v17.17i  ;04
BufX.14:    v18.7o   ;10
BufX.14:    v19.17i  ;12
BufX.14:    v20.17i  ;12

BufX.15:    v17.18i  ;04
BufX.15:    v18.9o   ;10
BufX.15:    v19.18i  ;12
BufX.15:    v20.18i  ;12

BufX.1: v35.16o  ;10
BufX.1: v36.4i   ;12
BufX.1: v37.4i   ;12

BufX.2: v35.14o  ;10
BufX.2: v36.7i   ;12
BufX.2: v37.7i   ;12

BufX.3: v35.12o  ;10
BufX.3: v37.8i   ;12
BufX.3: v36.8i   ;12

BufX.4: v35.3o   ;10
BufX.4: v36.13i  ;12
BufX.4: v37.13i  ;12

BufX.5: v35.5o   ;10
BufX.5: v36.14i  ;12
BufX.5: v37.14i  ;12

BufX.6: v35.7o   ;10
BufX.6: v36.17i  ;12
BufX.6: v37.17i  ;12

BufX.7: v35.9o   ;10
BufX.7: v36.18i  ;12
BufX.7: v37.18i  ;12

BufX.8: v17.3i   ;04
BufX.8: v18.18o  ;10
BufX.8: v19.3i   ;12
BufX.8: v20.3i   ;12

BufX.9: v17.4i   ;04
BufX.9: v18.16o  ;10
BufX.9: v19.4i   ;12
BufX.9: v20.4i   ;12

BVert': u88.6o   ;04
BVert': #L2.2i   ;09
BVert': v05.8i   ;13

BWriteEnable: #TP049.1i, u03.10o   ;12
BWriteEnable: u46.3i   ;14
BWriteEnable: u47.8i   ;14
BWriteEnable: u37.6i, u36.6i ;16
BWriteEnable: u49.1i, u31.1i ;17
BWriteEnable: u60.8i   ;21

ByteCk: u12.13o  ;04
ByteCk: u70.9i   ;04

ByteSel:   u12.12o  ;04
ByteSel:   u99.2i   ;04

CalibOrData:  u59.9o, u21.5i ;21

CAS:    v47.3o, E6  ;02

Click.0:   v43.14o, E102  ;03

Click.1:   v43.12o, E103  ;03

Click.2:   v43.3o, E104   ;03

Clk0:   #R31.1o, #Q5.2i   ;25

Clk1:   #R35.1i, #Q5.1i, u53.5i ;25

Clk2:   #R29.2i, u53.6o   ;25
Clk2:   u53.9i   ;25

Clk3:   #C26.1i, #L3.1o, #R29.1i   ;25

Clk4:   #R31.2i, #C41.2i, #CR6.2o  ;25
Clk4:   #L3.2i

Clk:    u80.2i, u77.2i, u84.12o ;03
Clk:    u98.11i  ;14

ClkAdj0:   #C43.2i, #R6.2i, #R19.3i   ;25

ClkAdj1:   #R33.1i, #R19.1i  ;25

ClkAdj2:   #R19.2o, #R32.2i  ;25

ClkAdj3:   #CR5.2i, #R32.1o, #C41.1i  ;25

ClkSupply: #C27.1i, #Q5.3i   ;25
ClkSupply: #C30.1o, #L4.2i

ClockArrived':   u26.8o   ;19
ClockArrived':   #R13.2i, #R15.2i  ;26

ClockArrived: #TP122.1i, u53.2i ;19
ClockArrived: u26.9o
ClockArrived: #R12.2i, #R11.2i  ;26

ClrCtlFifo':  v17.5o   ;04
ClrCtlFifo':  v32.18i, v13.18i  ;06
ClrCtlFifo':  v27.18i, v31.18i

ClrDataFifo': u81.15o  ;04
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 33 OF	B

```
ClrDataFifo': u82.3i   ;04
ClrDataFifo': v14.18i, v12.18i  ;05
ClrDataFifo': v15.18i, v11.18i
ClrDataFifo': u63.1i   ;07

ClrDPReq': E185, u98.13i  ;04

ClrKFlags':   E187, u98.8i   ;14

CompareEnable:   u19.9o, u26.12i   ;19
CompareEnable:   u26.2i

CountReset':  u57.6i   ;08
CountReset':  u92.9o   ;08
CountReset':  u44.4i   ;08
CountReset':  u43.13o  ;11

CRCData:   #TP061.1i, u48.12o   ;15
CRCData:   u59.3i, u59.4i

CRCError:  v04.13i  ;13
CRCError:  u66.6o   ;14

CRCInput:  #TP060.1i, u21.4o ;15
CRCInput:  u48.11i
CRCInput:  u37.5i, u36.5i ;16

Ct.0:   v25.14o  ;08
Ct.0:   u44.6i   ;08
Ct.0:   u43.11o  ;11

Ct.1:   v25.15o  ;08
Ct.1:   u92.5i   ;08
Ct.1:   u91.5i   ;11

Ct.2:   v25.2o   ;08
Ct.2:   u92.7i   ;08
Ct.2:   u91.13o  ;11

Cycle.1':  v43.18o, E2 ;03

Cycle.2':  v43.16o, E3 ;03

Cycle.3':  u73.5i   ;02
Cycle.3':  v42.9i, v46.1o, E4   ;03

DAddr.00:  v32.15o, E67   ;06

DAddr.01:  v32.14o, E167  ;06

DAddr.02:  v32.13o, E68   ;06

DAddr.03:  v32.12o, E168  ;06

DAddr.04:  v32.11o, E69   ;06

DAddr.05:  v31.15o, E169  ;06

DAddr.06:  v31.14o, E71   ;06

DAddr.07:  v31.13o, E171  ;06

DAddr.08:  v31.12o, E72   ;06

DAddr.09:  v31.11o, E172  ;06

DAddr.10:  v28.15i, u96.12o, E73   ;07

DAddr.11:  v28.13i, u96.13o, E173  ;07

DAddr.12:  v28.12i, u96.14o, E74   ;07

DAddr.13:  v10.15i, u95.12o, E174  ;07

DAddr.14:  v10.13i, u95.13o, E75   ;07

DAddr.15:  v10.12i, u95.14o, E175  ;07

DataReq:   u34.19o  ;14
DataReq:   u68.14i, u68.15i  ;14

DBorder←':  E25, u97.3i ;05

DBorder←:  u97.4o, u85.10i   ;05

DByte.0:   u56.12i  ;04
DByte.0:   u55.2o   ;05
DByte.0:   u58.3i   ;11

DByte.1:   u56.11i  ;04
DByte.1:   u55.1o   ;05
DByte.1:   u58.4i   ;11

DByte.2:   u56.9i   ;04
DByte.2:   u55.15o  ;05
DByte.2:   u58.7i   ;11

DByte.3:   u56.6i   ;04
DByte.3:   u55.14o  ;05
DByte.3:   u58.6i   ;11

DByte.4:   u42.12i  ;04
DByte.4:   u41.2o   ;05
DByte.4:   u43.4i   ;11

DByte.5:   u42.11i  ;04
DByte.5:   u41.1o   ;05
DByte.5:   u43.5i   ;11

DByte.6:   u42.9i   ;04
DByte.6:   u41.15o  ;05
DByte.6:   u43.7i   ;11

DByte.7:   u42.6i   ;04
DByte.7:   u41.14o  ;05
DByte.7:   u43.6i   ;11

DCAS':  v30.11i, v29.11i  ;05
```

```
DCAS':  u96.2i, u95.2i ;07
DCAS':  u61.2i, u63.9i ;07
DCAS':  v47.8o   ;08

DCASDly':  v15.1i, v15.19i, v12.1i ;05
DCASDly':  v12.19i, v14.1i, v14.19i
DCASDly':  v11.1i, v11.19i
DCASDly':  v23.12o  ;08

DCError:   #R30.2i  ;25
DCError:   #C40.1i, #Q4.3i, #Q1.3i ;26

DCF.00: v34.2o, v27.8i ;06

DCF.01: v34.5o, v13.4i ;06

DCF.02: v34.6o, v13.5i ;06

DCF.03: v34.9o, v13.6i ;06

DCF.04: v34.12o, v13.7i   ;06

DCF.05: v34.15o, v13.8i   ;06

DCF.06: v34.16o, v32.4i   ;06

DCF.07: v34.19o, v32.5i   ;06

DCF.08: v33.2o, v32.6i ;06

DCF.09: v33.5o, v32.7i ;06

DCF.10: v33.6o, v32.8i ;06

DCF.11: v33.9o, v31.4i ;06

DCF.12: v33.12o, v31.5i   ;06

DCF.13: v33.15o, v31.6i   ;06

DCF.14: v33.16o, v31.7i   ;06

DCF.15: v33.19o, v31.8i   ;06

DCtlFifo←':   E24, u97.1i ;06

DCtlFifo←: u97.2o, u85.5i ;06

DCtl←': E124, u97.5i   ;04

DCtl←:  u97.6o, u85.2i ;04

DData.00:  E76, v30.3i ;05

DData.01:  E176, v30.4i   ;05

DData.02:  E77, v30.7i ;05

DData.03:  E177, v30.8i   ;05

DData.04:  E78, v30.13i   ;05

DData.05:  E178, v30.14i  ;05

DData.06:  E79, v30.17i   ;05

DData.07:  E179, v30.18i  ;05

DData.08:  E81, v29.3i ;05

DData.09:  E181, v29.4i   ;05

DData.10:  E82, v29.7i ;05

DData.11:  E182, v29.8i   ;05

DData.12:  E83, v29.13i   ;05

DData.13:  E183, v29.14i  ;05

DData.14:  E84, v29.17i   ;05

DData.15:  E184, v29.18i  ;05

DelInputData: u26.3i, u54.8o ;19
DelInputData: u09.3i   ;21

DelTransferEnb:  u50.6o   ;12
DelTransferEnb:  u34.1i   ;14
DelTransferEnb:  u38.1i, u52.1i ;16

DelVerifyError:  u66.16o  ;14
DelVerifyError:  u66.4i   ;14

DirectionIn': v03.15i  ;13
DirectionIn': u07.6o   ;18
DirectionIn': C234  ;24

DirectionIn:  v19.5o   ;12
DirectionIn:  u07.5i   ;18

DisableMFMClk':  u53.4i   ;25
DisableMFMClk':  #TP120.1i, u65.12o   ;27

DiskOutputClk+:  u10.12i, u10.13o  ;18
DiskOutputClk+:  C59   ;24

DiskOutputClk-:  u10.15i, u10.14o  ;18
DiskOutputClk-:  C60   ;24

DiskOutputClk:   v03.6i   ;13
DiskOutputClk:   u10.9i   ;18
DiskOutputClk:   u22.7o   ;23

DiskReadClk+: u11.1i   ;20
DiskReadClk+: C55   ;24
DiskReadClk+: #R2.1i   ;24
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 35 OF	B

```
DiskReadClk-: u11.2i   ;20
DiskReadClk-: C56   ;24
DiskReadClk-: #R3.1i   ;24

DiskReadClk:  v03.2i   ;13
DiskReadClk:  u11.4o   ;20
DiskReadClk:  u08.11i  ;21
DiskReadClk:  u22.5i   ;23
DiskReadClk:  u22.11i  ;23

DiskReadData+:   u11.12i  ;20
DiskReadData+:   C67   ;24
DiskReadData+:   #R4.1i   ;24

DiskReadData-:   u11.11i  ;20
DiskReadData-:   C68   ;24
DiskReadData-:   #R5.1i   ;24

DiskReadData: v03.4i   ;13
DiskReadData: u11.9o   ;20
DiskReadData: u59.13i, u59.11i  ;21

DiskWriteData+:  u10.4i, u10.3o ;18
DiskWriteData+:  C63   ;24

DiskWriteData-:  u10.1i, u10.2o ;18
DiskWriteData-:  C64   ;24

DiskWriteData:   v03.8i   ;13
DiskWriteData:   u10.5i, u17.4o ;18
DiskWriteData:   u21.6i   ;21

Disp/Proc.':  v47.9i, v23.13o, E66 ;08

DispReq':  u86.12i  ;04
DispReq':  u69.3o   ;04

DPReq': u98.6o, E85 ;04

DProm.00:  u80.11o  ;03
DProm.00:  u78.15i, u79.15i  ;04

DProm.01:  u80.12o  ;03
DProm.01:  u78.16i, u79.16i  ;04

DProm.02:  u80.13o  ;03
DProm.02:  u78.17i, u79.17i  ;04

DProm.03:  u80.14o  ;03
DProm.03:  u78.1i, u79.1i ;04

DProm.04:  u77.11o  ;03
DProm.04:  u78.2i, u79.2i ;04

DProm.05:  u77.12o  ;03
DProm.05:  u78.3i, u79.3i ;04

DProm.06:  u77.13o  ;03
DProm.06:  u78.4i, u79.4i ;04

DProm.07:  u77.14o  ;03
DProm.07:  u78.7i, u79.7i ;04

DriveNotReady:   v04.8i   ;13
DriveNotReady:   u20.4o   ;20

DriveSelect': v05.6i   ;13
DriveSelect': u07.12o  ;18
DriveSelect': C226  ;24

DriveSelect:  v36.15o  ;12
DriveSelect:  u07.13i  ;18
DriveSelect:  u67.3i   ;23
DriveSelect:  #R38.2i  ;25

DrvMFMClock': u26.11i  ;19
DrvMFMClock': u53.11o  ;25

DrvMFMClock:  u09.11i  ;21
DrvMFMClock:  u08.3i, u39.3i ;22
DrvMFMClock:  u24.11i
DrvMFMClock:  u53.13i, #TP107.1i   ;25
DrvMFMClock:  u53.8o, u53.12i

DWE1:   u47.13i  ;14
DWE1:   u47.9o   ;14

DWE2:   u47.14i  ;14
DWE2:   u47.12o  ;14

DWE3:   u47.15o  ;14
DWE3:   u47.17i  ;14

DWE4:   u47.18i  ;14
DWE4:   u47.16o  ;14

DWriteEnable: u47.19o  ;14
DWriteEnable: u02.5i   ;18
DWriteEnable: u60.9i   ;21

ECL1:   u76.15o  ;02
ECL1:   u74.7i, u74.11i   ;02
ECL1:   v25.7i   ;08
ECL1:   u91.3i   ;11

ECLCAS':   v24.3i   ;02
ECLCAS':   u89.2o   ;02
ECLCAS':   v08.7i   ;11

ECLCycle3':   u73.2o   ;02
ECLCycle3':   v07.10i  ;02
ECLCycle3':   u30.5i   ;08
ECLCycle3':   u29.12o  ;11

ECLppClk': u89.14o  ;02
ECLppClk': v24.15i  ;02
ECLppClk': v08.11o  ;11
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 36 OF	B

```
ECLRAS':    u28.5i   ;02
ECLRAS':    v24.10i  ;02
ECLRAS':    u89.5i   ;02
ECLRAS':    v07.3o   ;02
ECLRAS':    u29.4i   ;11

ECLWPulse: v24.7i   ;02
ECLWPulse: u74.15o  ;02
ECLWPulse: u76.7i   ;02
ECLWPulse: u91.4i   ;11

ECt.0:  u62.15i  ;07
ECt.0:  #TP044.1i, u63.2o ;07

ECt.1:  u62.1i   ;07
ECt.1:  #TP045.1i, u63.7o ;07

ECt.2:  u62.2i   ;07
ECt.2:  #TP046.1i, u63.10o   ;07

Enb51MHz:  u72.2i   ;02
Enb51MHz:  #TP112.1i, u65.15o   ;10

EnbDBorder:   v16.11i, v01.11i  ;05
EnbDBorder:   u85.8o

EnbDCtl:   u85.3o, v17.11i   ;04

EnbDCtlFifo:  v31.1i, v32.19i   ;06
EnbDCtlFifo:  v32.1i, v13.19i
EnbDCtlFifo:  v13.1i, v27.19i
EnbDCtlFifo:  v27.1i, u85.6o
EnbDCtlFifo:  v31.19i

EndAddr.10:   #TP028.1i, v27.11o   ;06
EndAddr.10:   v28.1i   ;07

EndAddr.11:   #TP029.1i, v13.15o   ;06
EndAddr.11:   v28.14i  ;07

EndAddr.12:   #TP030.1i, v13.14o   ;06
EndAddr.12:   v28.11i  ;07

EndAddr.13:   #TP031.1i, v13.13o   ;06
EndAddr.13:   v10.1i   ;07

EndAddr.14:   #TP032.1i, v13.12o   ;06
EndAddr.14:   v10.14i  ;07

EndAddr.15:   #TP033.1i, v13.11o   ;06
EndAddr.15:   v10.11i  ;07

EndLine':  u80.9i, v41.1i, u77.9i  ;03
EndLine':  u88.2o, E137

EndLine:   u88.1i, u80.15o, v46.3i ;03
EndLine:   u27.11i  ;04

EndRndRead':  #TP040.1i, u61.1i ;07

EndRndRead':  u62.9o
EndRndRead':  u69.10i  ;07
EndRndRead':  u27.7i   ;08

EndSeg: u69.13i, #TP034.1i, v28.6o ;07
EndSeg: v46.12i

ENRZClock: #TP087.1i, u33.5i ;17
ENRZClock: u49.19o, u32.5i

ENRZWriteData:   #TP085.1i, u33.7i ;17
ENRZWriteData:   u49.15o, u32.7i

ESyncWdFound: #TP086.1i, u33.6i ;17
ESyncWdFound: u49.16o, u32.6i

F/P':   u69.8o   ;07
F/P':   u27.10i  ;08

FaultClear':  u07.10o  ;18
FaultClear':  C232  ;24

FaultClear:   v36.16o  ;12
FaultClear:   u07.11i  ;18

FilDCError:   #C31.1i, #C40.2i  ;26
FilDCError:   #R37.1i

FilHSync:  #C2.1o, #R9.2i ;09

FilVSync': #C3.1o, #R10.2i   ;09

FirmwareEnable:  v19.6o   ;12
FirmwareEnable:  v02.11i  ;13
FirmwareEnable:  u68.4i   ;14

Full:   u92.15o  ;08
Full:   u92.14o  ;08
Full:   u90.7i   ;08
Full:   u76.11i  ;08
Full:   u91.9o   ;11

Gated51MHz':  u72.3o   ;02
Gated51MHz':  u83.3i, u73.7i ;02
Gated51MHz':  #TP113.1i, #R34.1i   ;09

GND:    #C93.2i  ;01
GND:    #C92.1i  ;01
GND:    u88.11i  ;02
GND:    v42.4i   ;03
GND:    v41.4i, v41.5i, v41.6i  ;03
GND:    v41.3i
GND:    u80.3i, u80.5i, u80.6i  ;03
GND:    u77.3i
GND:    v46.6i   ;03
GND:    v43.1i   ;03
GND:    v43.11i, v43.13i  ;03
GND:    E89   ;03
GND:    u82.12i  ;04
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 37 OF	B

```
GND:    u81.1i   ;04
GND:    u78.6i   ;04
GND:    v30.1i   ;05
GND:    v29.1i   ;05
GND:    v34.1i   ;06
GND:    v33.1i   ;06
GND:    v32.9i, v31.9i ;06
GND:    u95.4i, u95.3i, u95.5i  ;07
GND:    v10.2i, v10.4i, v10.9i  ;07
GND:    v10.10i
GND:    v28.2i, v28.4i, v28.9i  ;07
GND:    v28.10i
GND:    u96.4i, u96.3i, u96.5i  ;07
GND:    #C2.2i   ;09
GND:    #C3.2i   ;09
GND:    C2 ;09
GND:    C4 ;09
GND:    C9, C7   ;09
GND:    #CR1.1o  ;09
GND:    #CR2.1o  ;09
GND:    u43.16i, u75.16i, u91.16i  ;09
GND:    v08.16i, u29.16i
GND:    v35.1i   ;10
GND:    v18.1i   ;10
GND:    u68.7i   ;14
GND:    u98.1i   ;14
GND:    u68.12i, u68.13i  ;14
GND:    u48.5i, u48.3i, u48.4i  ;15
GND:    u48.8i
GND:    v21.11i  ;15
GND:    v38.11i  ;15
GND:    u59.15i, u59.1i   ;15
GND:    u37.15i, u36.15i  ;16
GND:    u16.7i   ;17
GND:    u17.15i  ;18
GND:    u21.15i  ;21
GND:    u25.15i, u23.15i  ;22
GND:    u22.15i  ;23
GND:    #R4.2o, #R3.2o, #R2.2o  ;24
GND:    #R5.2o
GND:    C203, C205, C207, C209, C211  ;24
GND:    C213, C215, C217, C219, C221
GND:    C223, C225, C227, C229, C231
GND:    C233, C235, C237, C239, C241
GND:    C243, C245, C247, C249, C201
GND:    C52, C54, C58, C62, C66, C70  ;24
GND:    C61, C65, C69
GND:    #R33.2i, #C43.1i, #C42.1i  ;25
GND:    #C27.2i  ;25
GND:    #C30.2i  ;25
GND:    #C29.2i, #C28.2i  ;25
GND:    #C26.2o  ;25
GND:    #C19.2o, #R23.1o  ;26
GND:    #C23.2o, #R22.1o  ;26
GND:    #C24.2i  ;26
GND:    #R37.2i, #C31.2i  ;26
GND:    #C25.2i  ;26
GND:    #R27.2i  ;26
GND:    u40.3i   ;26

GND:    #C91.2o, #C90.2o, #C89.2o  ;28
GND:    #C88.2o, #C87.2o, #C86.2o
GND:    #C85.2o, #C84.2o, #C83.2o
GND:    #C82.2o, #C81.2o, #C80.2o
GND:    #C79.2o, #C77.2o, #C76.2o
GND:    #C75.2o, #C74.2o, #C73.2o
GND:    #C70.2o, #C69.2o, #C68.2o
GND:    #C67.2o, #C66.2o, #C65.2o
GND:    #C64.2o, #C63.2o, #C60.2o
GND:    #C59.2o, #C58.2o, #C57.2o
GND:    #C56.2o, #C52.2o, #C51.2o
GND:    #C50.2o, #C49.2o, #C48.2o
GND:    #C47.2o, #C46.2o, #C39.2o
GND:    #C38.2o, #C37.2o, #C36.2o
GND:    #C18.2o, #C17.2o, #C16.2o
GND:    #C15.2o, #C14.2o, #C13.2o
GND:    #C12.2o, #C9.2o, #C8.2o
GND:    #C7.2o, #C6.2o, #C5.2o
GND:    #C4.2o, #C78.2o, #C72.2o
GND:    #C71.2o, #C62.2o, #C61.2o
GND:    #C55.2o, #C54.2o, #C53.2o
GND:    #C45.2o, #C44.2o, #C35.2o
GND:    #C34.2o, #C33.2o, #C22.2o
GND:    #C21.2o, #C20.2o, #C11.2o
GND:    #C10.2o, #C1.2o

HalfClk:   u83.2i, u83.6o ;02
HalfClk:   v00.3i, v00.11i   ;21

HeadSelect1': v02.17i  ;13
HeadSelect1': u04.2o   ;18
HeadSelect1': C214  ;24

HeadSelect16':   v02.2i   ;13
HeadSelect16':   u07.2o   ;18
HeadSelect16':   C216  ;24

HeadSelect16: v36.2o   ;12
HeadSelect16: u07.1i   ;18

HeadSelect1:  v36.12o  ;12
HeadSelect1:  u04.1i   ;18

HeadSelect2': v02.8i   ;13
HeadSelect2': u04.4o   ;18
HeadSelect2': C218  ;24

HeadSelect2:  v36.9o   ;12
HeadSelect2:  u04.3i   ;18

HeadSelect4': v02.6i   ;13
HeadSelect4': u04.6o   ;18
HeadSelect4': C210  ;24

HeadSelect4:  v36.6o   ;12
HeadSelect4:  u04.5i   ;18

HeadSelect8': v02.4i   ;13
HeadSelect8': u04.8o   ;18
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 38 OF	B

```
HeadSelect8': C212  ;24

HeadSelect8:  v36.5o   ;12
HeadSelect8:  u04.9i   ;18

HighBorderOut:   #TP008.1i, u99.11o   ;04
HighBorderOut:   v01.1i   ;05

HighDataOut:  #TP006.1i, u99.6o ;04
HighDataOut:  v15.9i, v12.9i ;05

Horiz': u88.3i   ;04
Horiz': u70.10o  ;04

HSync:  #R9.1o, #L1.1o, C1   ;09

Index': u05.11i  ;20
Index': u18.3i   ;20
Index': C220  ;24

Index:  u05.10o  ;20
Index:  u87.3i   ;23

IndexFound:   v04.2i   ;13
IndexFound:   u68.2i   ;14
IndexFound:   u87.5o   ;23

InhibitRead': u97.12o  ;07
InhibitRead': u27.6i   ;08

InhibitRead:  u63.15o, u97.13i  ;07

InpPlsD10':   u19.1i, u03.12o   ;19

InpPlsD10: u54.12o, u03.13i  ;19

InputArrived':   u26.6o   ;19
InputArrived':   #R16.2i  ;26

InputArrived: #TP121.1i, u53.1i ;19
InputArrived: u26.5o
InputArrived: #R14.2i  ;26

InputData: u19.3i   ;19
InputData: u19.11i  ;19
InputData: #TP089.1i, u08.12i   ;21
InputData: u21.7o

InputPulse:   u19.5o, u54.1i ;19

InrHiPrAddr:  u80.10i, u80.7i   ;03
InrHiPrAddr:  u77.15o

Invert: u73.11i  ;04
Invert: v17.12o  ;04

IOPReset': E117, v17.1i   ;04
IOPReset': v19.1i, v36.1i, u87.13i ;12
IOPReset': u03.3i   ;18

IOPReset:  u03.4o, u60.3i ;18

KCtlClk:   v19.11i, u87.11i, u86.3o   ;12
KCtlClk:   v36.11i

KCtl←': E122, u84.1i   ;12
KCtl←': u67.2i   ;14

KCtl←:  u84.2o, u86.2i ;12

KOData←':  E22, u84.3i ;12
KOData←':  u67.13i  ;14

KOData←:   u84.4o, u86.5i ;12

KReq':  u98.5o, E87 ;14

LastTick': u76.5i   ;08
LastTick': v25.4o   ;08
LastTick': u92.10i  ;08
LastTick': v26.11i  ;08
LastTick': u44.5i   ;08
LastTick': u44.7i   ;08
LastTick': u43.10o  ;11

LCAS:   v47.10i, v45.6o, E106   ;08

LdSR':  u56.7i, u42.7i ;04
LdSR':  v26.15o  ;04
LdSR':  u14.11i  ;04
LdSR':  u29.11o  ;11

LdWrd': u12.6i   ;04
LdWrd': u13.4o   ;04
LdWrd': u29.13o  ;11

LdWrd:  u12.5o   ;04
LdWrd:  u69.5i   ;04

LoAdrEqual:   v28.3i, v10.6o ;07

LoDAdrCarry': u95.9i, u97.10o   ;07

LoDAdrCarry:  #TP036.1i, u97.11i   ;07
LoDAdrCarry:  u95.15o, u96.10i
LoDAdrCarry:  u96.7i, v46.11i

LowBorderOut: #TP009.1i, u99.12o   ;04
LowBorderOut: v16.1i   ;05

LowDataOut:   #TP007.1i, u99.7o ;04
LowDataOut:   v14.9i, v11.9i ;05

LRAS':  v45.3o, E105   ;08

MFMDetected.0:   u24.4i, u24.2o ;22
MFMDetected.0:   u25.6i, u23.6i ;22
```

```
MFMDetected.1:   #TP098.1i, u24.5o ;22
MFMDetected.1:   u25.5i, u23.5i ;22

MFMWr20:   u01.4o, u16.15i   ;17

MFMWr30:   u16.1i, u16.2i, u16.3i  ;17
MFMWr30:   u16.4i, u01.10o, u16.14i

MFMWr40:   u16.12i, u01.6o, u16.13i   ;17

NRZClock': v39.11i, v22.11i  ;13
NRZClock': u47.11i  ;14
NRZClock': u48.1i   ;15
NRZClock': u84.8o   ;23

NRZClock:  u50.11i  ;12
NRZClock:  u34.11i  ;14
NRZClock:  v21.13i  ;15
NRZClock:  v38.13i  ;15
NRZClock:  u35.11i  ;15
NRZClock:  u38.11i, u52.3i   ;16
NRZClock:  u49.18i  ;17
NRZClock:  u84.9i, u22.9o ;23

NRZInput:  u45.5i   ;15
NRZInput:  v21.1i, v21.2i ;15
NRZInput:  u21.2i   ;15
NRZInput:  u22.12o  ;23

NRZpWrData.0: u33.15i, u32.15i  ;17
NRZpWrData.0: u31.2o

NRZpWrData.1: u33.1i, u32.1i ;17
NRZpWrData.1: u31.5o

NRZpWrData.2: u33.2i, u32.2i ;17
NRZpWrData.2: u31.6o

NRZpWrData.3: u33.3i, u32.3i ;17
NRZpWrData.3: u31.9o

NRZpWrData.4: u33.4i, u32.4i ;17
NRZpWrData.4: u31.12o

Odd:    u78.5i   ;04
Odd:    v17.9o   ;04

On:     v17.19o  ;04
On:     u69.1i   ;04

One16thRef:   u06.6o, u06.13i   ;23

Overrun:   v04.15i  ;13
Overrun:   u66.19o  ;14

PAddrMkFound: #TP097.1i, u25.14o   ;22
PAddrMkFound: u39.2i

PAdrMkCnt.0:  #TP092.1i, u23.13o   ;22
PAdrMkCnt.0:  u24.8i

PAdrMkCnt.1:  #TP093.1i, u23.14o   ;22
PAdrMkCnt.1:  u24.13i

PAdrMkCnt.2:  #TP094.1i, u25.11o   ;22
PAdrMkCnt.2:  u24.14i

PAdrMkCnt.3:  #TP095.1i, u25.12o   ;22
PAdrMkCnt.3:  u24.17i

PAdrMkCnt.4:  #TP096.1i, u25.13o   ;22
PAdrMkCnt.4:  u24.18i

Page/Full':   u69.9i, v46.13o   ;07
Page/Full':   u62.5i   ;07

PBitCount.0:  #TP064.1i, u36.12o   ;16
PBitCount.0:  u38.4i

PBitCount.1:  #TP065.1i, u36.13o   ;16
PBitCount.1:  u38.7i

PBitCount.2:  #TP066.1i, u36.14o   ;16
PBitCount.2:  u38.8i

PBitCount.3:  #TP067.1i, u37.11o   ;16
PBitCount.3:  u38.13i

PBlk:   u81.5o   ;04
PBlk:   u70.13i  ;04

PBlkSync:  u73.10i  ;04
PBlkSync:  u70.15o  ;04

pCAS:   v47.2i, v47.1i, v24.4o  ;02

pCDFifo:   #TP015.1i, u78.12o   ;04
pCDFifo:   u81.14i

pClick.0:  v47.13i, v41.12o, v43.6i   ;03

pClick.1:  v41.13o, v43.8i   ;03

pClick.2:  v41.14o, v43.17i  ;03

PCt.0:  #TP041.1i, u62.10o, u63.4i ;07

PCt.1:  #TP042.1i, u62.11o, u63.5i ;07

PCt.2:  #TP043.1i, u62.12o, u63.12i   ;07

pCycle.1': v42.14o, v43.4i   ;03

pCycle.2': v42.13o, v43.2i   ;03

pCycle.3:  v43.15i, v42.15o, v46.2i   ;03

PD/P:   u81.6o   ;04
```

```
PD/P:    u27.5i   ;08

pDispReq:  u82.8o, u69.2i ;04

pDPReq':   u86.8o, u98.7i ;04

pDPReq: u86.9i, u86.11o, u86.10i   ;04

PHoriz':   u81.2o   ;04
PHoriz':   u70.12i  ;04

Pic:     u79.6i   ;04
Pic:     v17.15o, #TP018.1i   ;04

pKReq': u98.2o, u98.4i ;14

pLCAS:  v45.5i, v45.4i, v23.4o  ;08

PLdSerialNRZ':   v21.23i  ;15
PLdSerialNRZ':   v38.23i  ;15
PLdSerialNRZ':   u38.16o  ;16

pLRAS:  v45.2i, v45.1i, v23.5o  ;08

pNil:   #TP017.1i, u78.14o, u81.18i   ;04

PNRZpWrData.0:   #TP077.1i, u33.9o ;17
PNRZpWrData.0:   u31.3i

PNRZpWrData.1:   #TP078.1i, u33.10o   ;17
PNRZpWrData.1:   u31.4i

PNRZpWrData.2:   #TP079.1i, u33.11o   ;17
PNRZpWrData.2:   u31.7i

PNRZpWrData.3:   #TP080.1i, u33.12o   ;17
PNRZpWrData.3:   u31.8i

PNRZpWrData.4:   #TP081.1i, u32.9o ;17
PNRZpWrData.4:   u31.13i

pPBlk:  #TP011.1i, u79.12o, u81.4i ;04

ppClk:  v45.11o, v45.8o, E9  ;02
ppClk:  v46.8i, v46.5i ;03
ppClk:  v42.2i   ;03
ppClk:  v41.2i   ;03

pPD/P:  #TP012.1i, u79.13o, u81.7i ;04

pPHoriz':  #TP010.1i, u79.11o   ;04
pPHoriz':  u81.3i

PPic:    u81.9o   ;04
PPic:    u70.4i   ;04

PPicSync:  u99.13i, u99.3i   ;04
PPicSync:  u70.2o, #TP005.1i ;04
PPicSync:  u70.5i   ;04

PPicSyncDly:  u69.4i   ;04
PPicSyncDly:  u70.7o   ;04

PPLC:    u44.3o   ;08
PPLC:    u90.10i  ;08
PPLC:    u91.2i   ;11

PPLdSerialNRZ':  #TP069.1i, u37.13o   ;16
PPLdSerialNRZ':  u38.17i

pppClk':   v45.9i, v45.13i, v45.12i   ;02
pppClk':   v24.13o, v45.10i

pPPic:  #TP013.1i, u79.14o, u81.8i ;04

PPRawOverrun: #TP053.1i, u46.13o   ;14
PPRawOverrun: u34.17i

PPreComp.0:   #TP083.1i, u32.11o   ;17
PPreComp.0:   u31.17i

PPreComp.1:   #TP084.1i, u32.12o   ;17
PPreComp.1:   u31.18i

pPReq': #TP016.1i, u78.13o   ;04
pPReq': u81.17i

pRAS:   v47.5i, v47.4i, v24.12o ;02

PRawOverrun:  u47.4i   ;14
PRawOverrun:  u34.16o  ;14

PReadData.0:  v39.2o, v44.3i ;13

PReadData.10: v22.6o, v40.7i ;13

PReadData.11: v22.9o, v40.8i ;13

PReadData.12: v22.12o, v40.13i  ;13

PReadData.13: v22.15o, v40.14i  ;13

PReadData.14: v22.16o, v40.17i  ;13

PReadData.15: v22.19o, v40.18i  ;13

PReadData.1:  v39.5o, v44.4i ;13

PReadData.2:  v39.6o, v44.7i ;13

PReadData.3:  v39.9o, v44.8i ;13

PReadData.4:  v39.12o, v44.13i  ;13

PReadData.5:  v39.15o, v44.14i  ;13

PReadData.6:  v39.16o, v44.17i  ;13
```

```
PReadData.7:  v39.19o, v44.18i  ;13

PReadData.8:  v22.2o, v40.3i ;13

PReadData.9:  v22.5o, v40.4i ;13

preCAS':   u28.2o   ;02
preCAS':   u28.6i   ;02
preCAS':   v09.12i  ;08
preCAS':   v08.5i   ;11

preClk':   v46.4o, u84.13i   ;03
preClk':   v34.11i, v33.11i  ;06

PreComp.0: u16.10i  ;17
PreComp.0: u31.16o  ;17

PreComp.1: u16.11i  ;17
PreComp.1: u31.19o  ;17

preDisp/Proc.':  v26.3o   ;08
preDisp/Proc.':  v23.15i  ;08
preDisp/Proc.':  v09.9i   ;08
preDisp/Proc.':  v08.10o  ;11

preLCAS':  u28.10i  ;08
preLCAS':  u90.14o  ;08
preLCAS':  v09.13i  ;08
preLCAS':  u29.7i   ;11

preLRAS:   u90.3o   ;08
preLRAS:   v09.11i  ;08
preLRAS:   u75.15o  ;11

PReq':  u81.16o  ;04
PReq':  u82.13i  ;04

PReqState.0:  #TP051.1i, u46.11o   ;14
PReqState.0:  u34.13i

PReqState.1:  #TP052.1i, u46.12o   ;14
PReqState.1:  u34.14i

preRAS: v07.15o  ;02
preRAS: v07.7i   ;02
preRAS: v09.10i  ;08
preRAS: u91.14o  ;11

preWaitClk':  v46.10o  ;03
preWaitClk':  u85.1i   ;04
preWaitClk':  u85.9i   ;05
preWaitClk':  u85.4i   ;06
preWaitClk':  u86.1i   ;12
preWaitClk':  u86.4i   ;12
preWaitClk':  u67.11i  ;14

PrinterReq':  E135, u86.13i  ;04
PrinterReq':  u18.9o   ;20

PSA1Sector:   #TP091.1i, u23.12o   ;22
PSA1Sector:   u24.7i

PSA4000Req:   #TP054.1i, u46.14o   ;14
PSA4000Req:   u34.18i

PSyncWdFound: #TP068.1i, u37.12o   ;16
PSyncWdFound: u38.14i

PullUp: u88.10o  ;02
PullUp: u73.6i   ;02
PullUp: u83.4i   ;02
PullUp: u77.4i, u77.5i, u77.6i  ;03
PullUp: u80.4i, u77.10i, u77.7i
PullUp: v42.10i, v42.3i, v42.5i ;03
PullUp: v42.6i, v42.7i
PullUp: v43.19i  ;03
PullUp: u82.1i   ;04
PullUp: u82.11i  ;04
PullUp: u83.10i  ;04
PullUp: u83.13i  ;04
PullUp: u70.1i   ;04
PullUp: u55.6i   ;05
PullUp: u41.6i   ;05
PullUp: u96.6i   ;07
PullUp: u61.10i, u61.9i, u61.7i ;07
PullUp: u95.7i, u95.10i, u95.6i ;07
PullUp: v10.3i   ;07
PullUp: v35.19i  ;10
PullUp: v18.19i  ;10

PulseTrap':   u09.2i, u09.6o ;21

PulseTrap: u09.5o, u09.12i   ;21

PumpBias:  #R27.1o, #Q3.3i, #Q2.3i ;26
PumpBias:  #R36.2i

PumpDown': #R20.2i, #R15.1o  ;26
PumpDown': #Q3.2i   ;26

PumpDown:  #R17.2i, #R11.1o  ;26
PumpDown:  #Q4.2i   ;26

PumpDownBias: #R22.2i, #CR4.1o  ;26
PumpDownBias: #R17.1o, #R20.1o
PumpDownBias: #C23.1i

PumpDownSupply:  #Q4.1i, #Q3.1i ;26
PumpDownSupply:  #R28.1o, #R24.2i

PumpFeedBack: #R26.1o, #C32.2o  ;26
PumpFeedBack: u40.6o, #R24.1o

PumpUp':   #R18.2i, #R16.1o  ;26
PumpUp':   #Q1.2i   ;26

PumpUp: #R21.2i, #R14.1o  ;26
PumpUp: #Q2.2i   ;26
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 42 OF	B

```
PumpUpBias:   #R23.2i, #CR3.2i  ;26
PumpUpBias:   #R21.1o, #R18.1o
PumpUpBias:   #C19.1i

PumpUpSupply: #Q1.1i, #Q2.1i ;26
PumpUpSupply: #R25.1o, #R26.2i

PUnCompMFM:   #TP082.1i, u32.10o   ;17
PUnCompMFM:   u31.14i

pVert:  v17.6o, u83.12i   ;04

PVid:   u14.14o  ;04
PVid:   u14.7i   ;04
PVid:   u44.14o  ;04
PVid:   u43.1i   ;11

pVtClk: #TP014.1i, u78.11o   ;04
pVtClk: u81.13i

PWordBoundry':   #TP070.1i, u37.14o   ;16
PWordBoundry':   u52.2i

RAS':   v47.6o, E5  ;02

Raw51Mhz:  u71.8o, u72.1i ;02

RawCRCError:  u66.7i   ;14
RawCRCError:  #TP062.1i, u48.13o   ;15

RawOverrun:   u47.5o, u66.18i   ;14
RawOverrun:   u60.2i   ;18

RawSA1/SA4':  u18.7i   ;20
RawSA1/SA4':  u20.9i   ;20
RawSA1/SA4':  C204  ;24

RawVerifyError:  u47.2o, u66.17i   ;14

RCE':   u90.6i   ;08
RCE':   u92.3o, u92.2o ;08
RCE':   u75.7i   ;11

RCtrPE':   v25.5i   ;08
RCtrPE':   u44.2o   ;08
RCtrPE':   u91.15o  ;11

ReadDataFifo: u69.6o   ;04
ReadDataFifo: v15.16i, v12.16i  ;05
ReadDataFifo: v14.16i, v11.16i

ReadGate': v05.13i  ;13
ReadGate': u02.3o   ;18
ReadGate': C238  ;24

Ready': u20.1i   ;20
Ready': u18.4i   ;20
Ready': C222  ;24

Ready:  u20.2o, u20.3i ;20

ReduceIW': v03.11i  ;13
ReduceIW': u07.4o   ;18
ReduceIW': C202  ;24

ReduceIW:  v36.19o  ;12
ReduceIW:  u16.9i   ;17
ReduceIW:  u07.3i   ;18

RefMFMClock': v00.1i, v00.8o ;21

RefMFMClock:  u49.11i, u31.11i  ;17
RefMFMClock:  v00.9o   ;21
RefMFMClock:  u59.12i, u59.10i  ;21
RefMFMClock:  u06.1i   ;23

ReqState.0:   #TP055.1i, u34.12o   ;14
ReqState.0:   u46.6i   ;14

ReqState.1:   u46.5i   ;14
ReqState.1:   #TP056.1i, u34.15o   ;14

ResetClick:   v41.9i, v47.11o   ;03

ResetCompare':   u26.13i, u26.1i   ;19
ResetCompare':   u19.13i, u53.3o

RSeekComplete:   u94.12i, u94.2i   ;23
RSeekComplete:   u67.6o, #TP106.1i

SA1000'/SA4000:  u20.8o, u20.11i   ;20

SA1000/SA4000':  v04.6i   ;13
SA1000/SA4000':  u46.2i   ;14
SA1000/SA4000':  u17.1i   ;18
SA1000/SA4000':  u20.10o  ;20
SA1000/SA4000':  u25.16i, u23.16i  ;22
SA1000/SA4000':  u22.1i   ;23

SA1NRZClock:  u21.9o   ;21
SA1NRZClock:  u22.10i  ;23

SA1Sector: u24.6o   ;22
SA1Sector: u22.3i   ;23

SA1SkComplete:   u59.14i  ;15
SA1SkComplete:   u05.6o   ;20
SA1SkComplete:   u67.5i, u17.6i ;23

SA1WrNRZClock:   u21.10i  ;21
SA1WrNRZClock:   u06.3o   ;23

SA4Sector: u20.12o  ;20
SA4Sector: u22.2i   ;23
SA4Sector: u60.6i   ;23

SA4SkComplete:   u17.5i, u93.11o   ;23
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 43 OF	B

```
SA4SkComplete:   #TP105.1i, u60.5i

SAddrMkFound: #TP071.1i, u38.2o ;16
SAddrMkFound: u37.4i, u36.4i ;16

Sector':   v05.4i   ;13
Sector':   u18.6i   ;20
Sector':   u20.13i  ;20
Sector':   C206  ;24

Sector: u22.4o, u39.11i   ;23

SectorFound:  v04.4i   ;13
SectorFound:  u68.1i   ;14
SectorFound:  u39.9o   ;23

SeekComplete':   v03.17i  ;13
SeekComplete':   u05.5i   ;20
SeekComplete':   u18.1i   ;20
SeekComplete':   C208  ;24

SeekComplete: v02.15i  ;13
SeekComplete: u68.3i   ;14
SeekComplete: u17.7o   ;23

SerialNRZ.0:  v39.3i   ;13
SerialNRZ.0:  #TP059.1i, u59.6i ;15
SerialNRZ.0:  u59.5i, v38.21o
SerialNRZ.0:  u45.4i   ;15
SerialNRZ.0:  u21.3i   ;15

SerialNRZ.10: v22.7i   ;13
SerialNRZ.10: v21.17o  ;15

SerialNRZ.11: v22.8i   ;13
SerialNRZ.11: v21.15o  ;15

SerialNRZ.12: v22.13i  ;13
SerialNRZ.12: v21.10o  ;15

SerialNRZ.13: v22.14i  ;13
SerialNRZ.13: v21.8o   ;15

SerialNRZ.14: v22.17i  ;13
SerialNRZ.14: v21.6o   ;15

SerialNRZ.15: v22.18i  ;13
SerialNRZ.15: v21.4o   ;15

SerialNRZ.1:  v39.4i   ;13
SerialNRZ.1:  v38.19o  ;15

SerialNRZ.2:  v39.7i   ;13
SerialNRZ.2:  v38.17o  ;15

SerialNRZ.3:  v39.8i   ;13
SerialNRZ.3:  v38.15o  ;15

SerialNRZ.4:  v39.13i  ;13
SerialNRZ.4:  v38.10o  ;15

SerialNRZ.5:  v39.14i  ;13
SerialNRZ.5:  v38.8o   ;15

SerialNRZ.6:  v39.17i  ;13
SerialNRZ.6:  v38.6o   ;15

SerialNRZ.7:  v39.18i  ;13
SerialNRZ.7:  v38.4o   ;15

SerialNRZ.8:  v22.3i   ;13
SerialNRZ.8:  #TP058.1i, v21.21o   ;15
SerialNRZ.8:  v38.1i, v38.2i ;15

SerialNRZ.9:  v22.4i   ;13
SerialNRZ.9:  v21.19o  ;15

Serviced:  #TP050.1i, u45.3o ;14
Serviced:  u46.4i   ;14

ServiceTrap:  u35.2i, u34.3i ;14
ServiceTrap:  u35.6o

SetKReq':  u68.6o, u98.3i ;14

SetUp:  u57.2o, u57.10i   ;08
SetUp:  v25.6i   ;08
SetUp:  u75.6i   ;11

Sk12:   u93.6o, u93.12i   ;23

Sk16:   u94.11o, u93.10i  ;23

Sk17:   u93.8o, u93.13i   ;23

Sk1:    u94.3o, u93.9i ;23

Sk4:    u94.5o, u93.5i ;23

Sk8:    u94.13i, u94.6o, u93.4i ;23

SkCmpClk:  u60.4o, u94.1i ;23

SKY:    u50.4i   ;12
SKY:    u87.10i  ;12
SKY:    v39.1i   ;13
SKY:    v22.1i   ;13
SKY:    u35.4i   ;14
SKY:    u47.1i   ;14
SKY:    u67.10i  ;14
SKY:    u52.4i   ;16
SKY:    u10.10i, u10.11i  ;18
SKY:    u26.4i   ;19
SKY:    u19.4i   ;19
SKY:    u26.10i  ;19
SKY:    u19.2i   ;19
SKY:    u19.12i  ;19
SKY:    u11.8i, u11.6i ;20
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 44 OF	B

```
SKY:     u11.5i   ;20
SKY:     u09.1i   ;21
SKY:     v00.2i   ;21
SKY:     v00.13i  ;21
SKY:     u09.10i  ;21
SKY:     u08.13i  ;21
SKY:     u08.10i  ;21
SKY:     u39.4i   ;22
SKY:     u08.4i   ;22
SKY:     u08.2i   ;22
SKY:     u67.4i   ;23
SKY:     u39.12i, u39.10i  ;23
SKY:     u87.2i, u87.4i ;23
SKY:     #R1.2o   ;24
SKY:     C230, C228  ;24

SRefMFMClock: v00.5o, v00.12i   ;21

SrvcDet.0: u45.2i, u34.6o ;14

SrvcDet.1: u45.1i, u34.5o, u34.7i  ;14

SServiced':   u67.12o, u67.9i   ;14

SServiced: u67.8o   ;14
SServiced: u35.3i   ;14

SSrvcTrap: u34.2o, u34.4i ;14

StartRead':   u27.4o   ;08
StartRead':   u92.12i  ;08
StartRead':   u75.9o   ;11

Step':  v05.15i  ;13
Step':  u07.8o   ;18
Step':  C236  ;24

Step:   v19.2o   ;12
Step:   u07.9i   ;18

STransferEnable: u50.5o, u50.7i ;12

SWriteCRC':   #TP063.1i, u05.2o ;15
SWriteCRC':   u48.10i

SWriteCRC: u66.2o   ;14
SWriteCRC: u59.2i   ;15
SWriteCRC: u05.1i   ;15

SyncClrDPReq':   u98.12o, u82.10i  ;04

SyncClrKFlags':  u66.1i, u98.9o ;14
SyncClrKFlags':  #TP057.1i
SyncClrKFlags':  u39.13i  ;23
SyncClrKFlags':  u87.1i   ;23

SyncRcvMFM:   u09.9o   ;21
SyncRcvMFM:   u24.3i   ;22

SyncSA4Data:  u08.9o   ;21
SyncSA4Data:  u22.14i  ;23

SyncWdFound:  u35.13i  ;15
SyncWdFound:  u48.2i   ;15
SyncWdFound:  u37.3i, u36.3i ;16
SyncWdFound:  #TP076.1i, u38.15o   ;16
SyncWdFound:  u49.17i  ;17

SyncXferEnb:  u39.1i, u24.1i ;22
SyncXferEnb:  u08.5o, #TP104.1i

TA13:   u28.3o   ;02
TA13:   u89.7i   ;02
TA13:   u91.6i   ;11

TA1:    u28.15o  ;08
TA1:    v23.11i  ;08
TA1:    v08.3i   ;11

TA4:    v09.14o  ;08
TA4:    v06.7i   ;08
TA4:    v08.4i   ;11

TA5:    v06.3o, v06.12i   ;08
TA5:    v23.6i   ;08
TA5:    v08.12o  ;11

TA6:    v06.15o  ;08
TA6:    v23.3i   ;08
TA6:    v08.13o  ;11

TB10:   v09.15o  ;08
TB10:   v26.10i  ;08
TB10:   u91.12o  ;11

TB11:   u27.1o   ;08
TB11:   u76.4i   ;08
TB11:   u75.13o  ;11

TB1:    u13.3o   ;04
TB1:    u44.9o   ;04
TB1:    v26.12i  ;04
TB1:    v08.1i   ;11

TB5:    u76.14o  ;08
TB5:    v25.10i  ;08
TB5:    v08.15o  ;11

TB6:    v26.13o  ;08
TB6:    v06.10i  ;08
TB6:    v08.2i   ;11

TB7:    v26.5i   ;08
TB7:    u57.14o  ;08
TB7:    u91.10o  ;11

TB9:    v26.2o, v26.6i ;08
TB9:    v08.14o  ;11
```

```
TC1:    u30.9o   ;04
TC1:    u44.11i  ;04
TC1:    u73.13o  ;04
TC1:    u29.9o   ;11

TC2:    u30.15o  ;04
TC2:    u73.14o  ;04
TC2:    u44.10i  ;04
TC2:    u29.2i   ;11

TC3:    u27.12o  ;08
TC3:    u92.11i  ;08
TC3:    u91.11o  ;11

TC5:    u57.3o, u57.13i   ;08
TC5:    u58.13o  ;11

TC6:    u30.2o   ;08
TC6:    u57.11i  ;08
TC6:    u58.5i   ;11

TC7:    u76.2o   ;08
TC7:    u57.5i   ;08
TC7:    u43.3i   ;11

TC9:    u27.13o  ;04
TC9:    u30.7i   ;04
TC9:    u29.10o  ;11

TD11:   u28.13o, u28.11i  ;08
TD11:   u29.6i   ;11

TD12:   u28.14o, u28.12i  ;08
TD12:   u29.5i   ;11

TD1:    u30.3o   ;04
TD1:    u13.5i   ;04
TD1:    u29.1i   ;11

TD2:    u12.11i  ;04
TD2:    u13.14o  ;04
TD2:    u29.3i   ;11

TD3:    u12.14i  ;04
TD3:    u44.12i  ;04
TD3:    u13.15o  ;04
TD3:    u43.12o  ;11

TD4:    u13.2o   ;04
TD4:    u44.13i  ;04
TD4:    u43.14o  ;11

TD7:    v26.14o  ;08
TD7:    u12.2i   ;08
TD7:    u43.2i   ;11

TE2:    u42.14o  ;04
TE2:    u56.5i   ;04
TE2:    u58.2i   ;11

TE3:    u56.14o  ;04
TE3:    u30.12i  ;04
TE3:    u43.15o  ;11

Test1': u83.1i   ;02
Test1': v42.1i   ;03
Test1': u80.1i   ;03
Test1': u77.1i   ;03
Test1': u96.1i   ;07
Test1': u95.1i   ;07
Test1': #TP114.1i, u64.11i   ;10
Test1': u65.13o
Test1': u35.1i   ;14
Test1': u19.10i  ;19
Test1': v00.4i, v00.10i   ;21
Test1': u09.4i   ;21
Test1': u09.13i  ;21

Test1:  u64.10o  ;10
Test1:  u06.2i, u06.12i   ;23

Test2:  u76.9o   ;02
Test2:  u74.12i, #TP003.1i   ;02
Test2:  u75.5i   ;11

Tick56':   u76.3o   ;02
Tick56':   u28.4o   ;02
Tick56':   v26.7i   ;02
Tick56':   u75.10o  ;11

Tick67':   v07.11i  ;02
Tick67':   u89.10i  ;02
Tick67':   v26.4o   ;02
Tick67':   u91.7i   ;11

Tick7': u74.5i, u74.4o ;02
Tick7': u30.6i   ;04
Tick7': u30.4i   ;08
Tick7': u92.13i  ;08
Tick7': u58.15o  ;11

TimingClock:  u06.11o, u22.6i   ;23

Track00':  u05.9i   ;20
Track00':  u18.2i   ;20
Track00':  C242  ;24

Track00:   v02.13i  ;13
Track00:   u05.8o   ;20

TstAddrMkPrm':   u65.6i, #TP116.1i ;27
TstAddrMkPrm':   u51.9i

TstAddrMkPrm: u25.10i, u23.10i  ;22
TstAddrMkPrm: u23.8i, u25.8i
TstAddrMkPrm: u51.8o   ;27
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 46 OF	B

```
TstDataBorder':  u65.1i, #TP111.1i ;10
TstDataBorder':  u64.1i

TstDataBorder:   u99.15i, u99.1i   ;04
TstDataBorder:   u64.2o   ;10

TstDispVrtPm':   u65.3i, #TP109.1i ;10
TstDispVrtPm':   u64.5i

TstDispVrtPm: u78.8i, u79.8i ;04
TstDispVrtPm: u79.10i, u78.10i
TstDispVrtPm: u64.6o   ;10

TstEncodeProm':  u65.9o, #TP117.1i ;27
TstEncodeProm':  u51.5i

TstEncodeProm:   u33.14i, u33.13i  ;17
TstEncodeProm:   u32.14i, u32.13i  ;17
TstEncodeProm:   u51.6o   ;27

TstEndAddrHi':   u65.2i, #TP110.1i ;10
TstEndAddrHi':   u64.3i

TstEndAddrHi: v27.9i, v13.9i ;06
TstEndAddrHi: u64.4o   ;10

TstEndCntPrm':   u65.4i, #TP108.1i ;10
TstEndCntPrm':   u64.9i

TstEndCntPrm: u62.14i, u62.13i  ;07
TstEndCntPrm: u64.8o   ;10

TstFldWdProm':   u65.10o, #TP118.1i   ;27
TstFldWdProm':   u51.3i

TstFldWdProm: u37.10i, u36.10i  ;16
TstFldWdProm: u36.8i, u37.8i
TstFldWdProm: u51.4o   ;27

TstMFMClock': u53.10i  ;25
TstMFMClock': u65.7i, #TP115.1i ;27

TstSrvcRqPrm':   u65.11o, #TP119.1i   ;27
TstSrvcRqPrm':   u51.1i

TstSrvcRqPrm: u46.8i, u46.10i   ;14
TstSrvcRqPrm: u51.2o   ;27

TTLDB.0:    v14.15o, v01.2o   ;05
TTLDB.0:    #TP020.1i, v16.2o
TTLDB.0:    v15.15o, u55.5i

TTLDB.1:    v14.14o, v01.5o   ;05
TTLDB.1:    #TP021.1i, v16.5o
TTLDB.1:    v15.14o, u55.7i

TTLDB.2:    v14.13o, v01.6o   ;05
TTLDB.2:    #TP022.1i, v16.6o
TTLDB.2:    v15.13o, u55.10i

TTLDB.3:    v14.12o, v01.9o   ;05
TTLDB.3:    #TP023.1i, v16.9o
TTLDB.3:    v15.12o, u55.11i

TTLDB.4:    v14.11o, v01.12o  ;05
TTLDB.4:    #TP024.1i, v16.12o
TTLDB.4:    v15.11o, u41.5i

TTLDB.5:    v12.15o, v01.15o  ;05
TTLDB.5:    #TP025.1i, v16.15o
TTLDB.5:    v11.15o, u41.7i

TTLDB.6:    v12.14o, v01.16o  ;05
TTLDB.6:    #TP026.1i, v16.16o
TTLDB.6:    v11.14o, u41.10i

TTLDB.7:    v12.13o, v01.19o  ;05
TTLDB.7:    #TP027.1i, v16.19o
TTLDB.7:    v11.13o, u41.11i

TTLLastTick:  u69.12i  ;07
TTLLastTick:  u12.4o   ;08

TTLVideo': u15.5o   ;10
TTLVideo': v05.17i  ;13

TTLVideo:  u15.4o   ;10
TTLVideo:  v05.2i   ;13

TwoBit: u74.2o   ;02
TwoBit: u28.7i   ;02
TwoBit: u58.1i   ;11

UnCompMFM: u01.1i   ;17
UnCompMFM: u31.15o  ;17

UnLdCtlFifo:  v32.16i, v13.16i  ;06
UnLdCtlFifo:  v27.16i, v31.16i
UnLdCtlFifo:  u69.11o  ;07

UWriteEnable':   u02.1i   ;18
UWriteEnable':   u60.12i, u60.10o  ;21
UWriteEnable':   u60.11i

UWriteEnable: u10.7i, u10.6i ;18
UWriteEnable: #TP090.1i, u60.13o   ;21
UWriteEnable: u21.1i

Vbb:    v24.11i, v24.6i, v24.14i   ;02
Vbb:    v24.2i, v24.1i

Vbbc18: v23.1i, v23.10i, v23.14i   ;08
Vbbc18: v23.2i, v23.7i

Vbbf13: u12.10i, u12.15i, u12.7i   ;04
Vbbf13: u12.1i, u12.3i ;08

Vbbg7:  u15.6i, u15.2i, u15.1i  ;10
```

```
VCC:    #C93.1o, #TP001.1i, #F2.1o ;01
VCC:    v24.9i   ;02
VCC:    u73.9i   ;02
VCC:    u41.9i   ;05
VCC:    u55.9i   ;05
VCC:    u27.9i   ;08
VCC:    v23.9i   ;08
VCC:    u12.9i   ;08
VCC:    #R34.2o  ;09
VCC:    u15.9i   ;10
VCC:    #R1.1i   ;24
VCC:    #L4.1o   ;25
VCC:    #CR3.1o  ;26
VCC:    #R12.1o  ;26
VCC:    #R13.1o  ;26
VCC:    #C24.1o, #R25.2i  ;26
VCC:    u40.7i   ;26
VCC:    #C46.1i, #C47.1i, #C48.1i  ;28
VCC:    #C49.1i, #C50.1i, #C51.1i
VCC:    #C52.1i, #C56.1i, #C57.1i
VCC:    #C58.1i, #C59.1i, #C60.1i
VCC:    #C63.1i, #C64.1i, #C65.1i
VCC:    #C66.1i, #C67.1i, #C68.1i
VCC:    #C69.1i, #C4.1i, #C5.1i
VCC:    #C6.1i, #C7.1i, #C8.1i
VCC:    #C9.1i, #C12.1i, #C13.1i
VCC:    #C14.1i, #C15.1i, #C16.1i
VCC:    #C17.1i, #C18.1i, #C36.1i
VCC:    #C37.1i, #C38.1i, #C39.1i
VCC:    #C70.1i, #C73.1i, #C74.1i
VCC:    #C75.1i, #C76.1i, #C77.1i
VCC:    #C79.1i, #C80.1i, #C81.1i
VCC:    #C82.1i, #C83.1i, #C84.1i
VCC:    #C85.1i, #C86.1i, #C87.1i
VCC:    #C88.1i, #C89.1i, #C90.1i
VCC:    #C91.1i

VEE:    #C92.2o, #TP002.1i, #F1.1o ;01
VEE:    C8 ;09
VEE:    #R7.2i   ;09
VEE:    #R8.2i   ;09
VEE:    u43.8i, u75.8i, u91.8i  ;09
VEE:    v08.8i, u29.8i
VEE:    u11.13i  ;20
VEE:    #R6.1i, #C42.2i   ;25
VEE:    #R35.2i  ;25
VEE:    #CR4.2i  ;26
VEE:    #C25.1o, #R28.2i  ;26
VEE:    u40.4i   ;26
VEE:    #C1.1i, #C10.1i, #C11.1i   ;28
VEE:    #C20.1i, #C21.1i, #C22.1i
VEE:    #C33.1i, #C34.1i, #C35.1i
VEE:    #C44.1i, #C45.1i, #C53.1i
VEE:    #C54.1i, #C55.1i, #C61.1i
VEE:    #C62.1i, #C71.1i, #C72.1i
VEE:    #C78.1i

VerifyError:  v04.11i  ;13

VerifyError:  u66.5o   ;14

Vert':  u83.8o   ;04
Vert':  u82.4i   ;04

Vert:   u83.9o   ;04
Vert:   u88.5i   ;04

VertClk:   u81.12o  ;04
VertClk:   u83.11i  ;04

Video': u14.2o   ;04
Video': #CR1.2i, #R7.1o, C6  ;09
Video': u15.7i   ;10

Video:  u14.3o   ;04
Video:  #CR2.2i, #R8.1o, C5  ;09
Video:  u15.3i   ;10

VSync': #R10.1o, #L2.1o, C3  ;09

Wait:   E17, v46.9i ;03

WakeupControl.0: v19.15o  ;12
WakeupControl.0: u68.10i  ;14

WakeupControl.1: #TP047.1i   ;12
WakeupControl.1: v19.16o
WakeupControl.1: u68.11i  ;14
WakeupControl.1: u46.7i   ;14
WakeupControl.1: u37.7i, u36.7i ;16

WC.0:   #TP037.1i, u61.12o, u62.3i ;07

WC.1:   #TP038.1i, u61.13o, u62.4i ;07

WC.2:   #TP039.1i, u61.14o, u62.7i ;07

WordBoundry': v44.11i, v40.11i  ;13
WordBoundry': u66.11i  ;14
WordBoundry': u52.5o   ;16

WPulse':   u88.8o, u81.11i   ;04

WPulse: v24.5o, E7  ;02
WPulse: u88.9i   ;04

WrDatClk:  v20.11i, u86.6o, v37.11i   ;12

WriteCRC:  v19.12o  ;12
WriteCRC:  u66.3i   ;14

WriteData.0:  v37.2o   ;12
WriteData.0:  v38.22i  ;15

WriteData.10: v20.6o   ;12
WriteData.10: v21.18i  ;15

WriteData.11: v20.9o   ;12
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 48 OF	B

```
WriteData.11: v21.16i  ;15

WriteData.12: v20.12o  ;12
WriteData.12: v21.9i   ;15

WriteData.13: v20.15o  ;12
WriteData.13: v21.7i   ;15

WriteData.14: v20.16o  ;12
WriteData.14: v21.5i   ;15

WriteData.15: v20.19o  ;12
WriteData.15: v21.3i   ;15

WriteData.1:  v37.5o   ;12
WriteData.1:  v38.20i  ;15

WriteData.2:  v37.6o   ;12
WriteData.2:  v38.18i  ;15

WriteData.3:  v37.9o   ;12
WriteData.3:  v38.16i  ;15

WriteData.4:  v37.12o  ;12
WriteData.4:  v38.9i   ;15

WriteData.5:  v37.15o  ;12
WriteData.5:  v38.7i   ;15

WriteData.6:  v37.16o  ;12
WriteData.6:  v38.5i   ;15

WriteData.7:  v37.19o  ;12
WriteData.7:  v38.3i   ;15

WriteData.8:  v20.2o   ;12
WriteData.8:  v21.22i  ;15

WriteData.9:  v20.5o   ;12
WriteData.9:  v21.20i  ;15

WriteEnable': u05.12o, u03.11i  ;12

WriteEnable:  u05.13i, v19.19o  ;12

WriteFault':  u20.5i   ;20
WriteFault':  u18.5i   ;20
WriteFault':  C244  ;24

WriteFault:   v04.17i  ;13
WriteFault:   u20.6o   ;20

WriteGate':   v05.11i  ;13
WriteGate':   u02.6o   ;18
WriteGate':   C240  ;24

X.0:    E41, v35.2i ;10
X.0:    v44.2o   ;13
X.0:    v03.18o  ;13

X.0:    v02.18o  ;13

X.10:   E46, v18.6i ;10
X.10:   v05.14o  ;13
X.10:   v40.6o   ;13
X.10:   v04.14o  ;13

X.11:   E146, v18.8i   ;10
X.11:   v05.12o  ;13
X.11:   v40.9o   ;13
X.11:   v04.12o  ;13

X.12:   E47, v18.17i   ;10
X.12:   v05.3o   ;13
X.12:   v40.12o  ;13
X.12:   v04.3o   ;13

X.13:   E147, v18.15i  ;10
X.13:   v05.5o   ;13
X.13:   v40.15o  ;13
X.13:   v04.5o   ;13

X.14:   E48, v18.13i   ;10
X.14:   v05.7o   ;13
X.14:   v40.16o  ;13
X.14:   v04.7o   ;13

X.15:   E148, v18.11i  ;10
X.15:   v05.9o   ;13
X.15:   v40.19o  ;13
X.15:   v04.9o   ;13

X.1:    E141, v35.4i   ;10
X.1:    v03.16o  ;13
X.1:    v44.5o   ;13
X.1:    v02.16o  ;13

X.2:    E42, v35.6i ;10
X.2:    v03.14o  ;13
X.2:    v44.6o   ;13
X.2:    v02.14o  ;13

X.3:    E142, v35.8i   ;10
X.3:    v03.12o  ;13
X.3:    v44.9o   ;13
X.3:    v02.12o  ;13

X.4:    E43, v35.17i   ;10
X.4:    v03.3o   ;13
X.4:    v44.12o  ;13
X.4:    v02.3o   ;13

X.5:    E143, v35.15i  ;10
X.5:    v03.5o   ;13
X.5:    v44.15o  ;13
X.5:    v02.5o   ;13

X.6:    E44, v35.13i   ;10
X.6:    v03.7o   ;13
```

```
X.6:    v44.16o  ;13
X.6:    v02.7o   ;13

X.7:    E144, v35.11i  ;10
X.7:    v03.9o   ;13
X.7:    v44.19o  ;13
X.7:    v02.9o   ;13

X.8:    E45, v18.2i ;10
X.8:    v05.18o  ;13
X.8:    v40.2o   ;13
X.8:    v04.18o  ;13

X.9:    E145, v18.4i   ;10
X.9:    v05.16o  ;13
X.9:    v40.5o   ;13
X.9:    v04.16o  ;13

Y.00:   v01.3i   ;05
Y.00:   E49, v34.3i ;06

Y.01:   v01.4i   ;05
Y.01:   E149, v34.4i   ;06

Y.02:   v01.7i   ;05
Y.02:   E52, v34.7i ;06

Y.03:   v01.8i   ;05
Y.03:   E152, v34.8i   ;06

Y.04:   v01.13i  ;05
Y.04:   E53, v34.13i   ;06

Y.05:   v01.14i  ;05
Y.05:   E153, v34.14i  ;06

Y.06:   v01.17i  ;05
Y.06:   E54, v34.17i   ;06

Y.07:   v01.18i  ;05
Y.07:   E154, v34.18i  ;06

Y.08:   v16.3i   ;05
Y.08:   E55, v33.3i ;06

Y.09:   v16.4i   ;05
Y.09:   E155, v33.4i   ;06

Y.10:   v16.7i   ;05
Y.10:   E56, v33.7i ;06

Y.11:   v16.8i   ;05
Y.11:   E156, v33.8i   ;06

Y.12:   v16.13i  ;05
Y.12:   E57, v33.13i   ;06

Y.13:   v16.14i  ;05
Y.13:   E157, v33.14i  ;06

Y.14:   v16.17i  ;05
Y.14:   E58, v33.17i   ;06

Y.15:   v16.18i  ;05
Y.15:   E158, v33.18i  ;06

←KIData':  v40.1i, E32, v44.1i  ;13
←KIData':  u67.1i   ;14

←KStatus': v04.1i, v02.19i, v02.1i ;13
←KStatus': E132, v04.19i

←KTest':   v05.1i, v03.19i, v03.1i ;13
←KTest':   E33, v05.19i
```

XEROX	PROPRIETARY NOTE ON COVER SHEET APPLIES TO ALL SHEETS	DWG SIZE	DWG NO. 156P11448	SHEET REV.
	TITLE SCHEMATIC, HSIO	A4	SHEET 50 OF	B