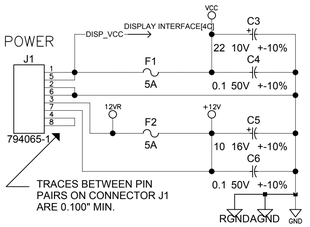

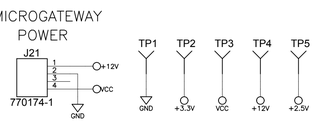

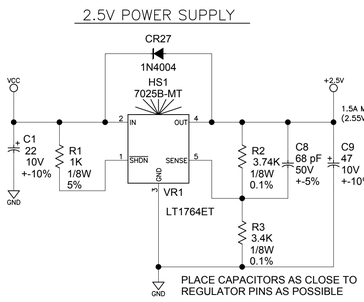

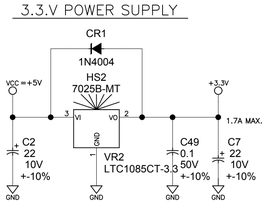

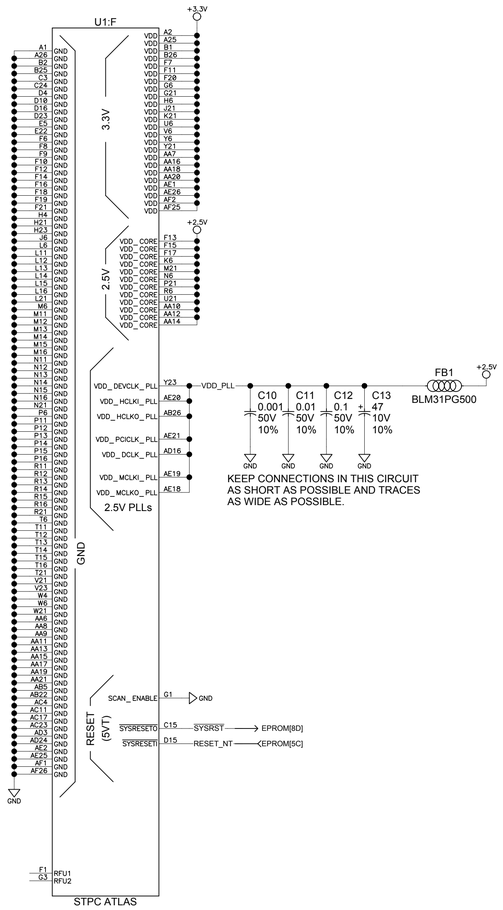

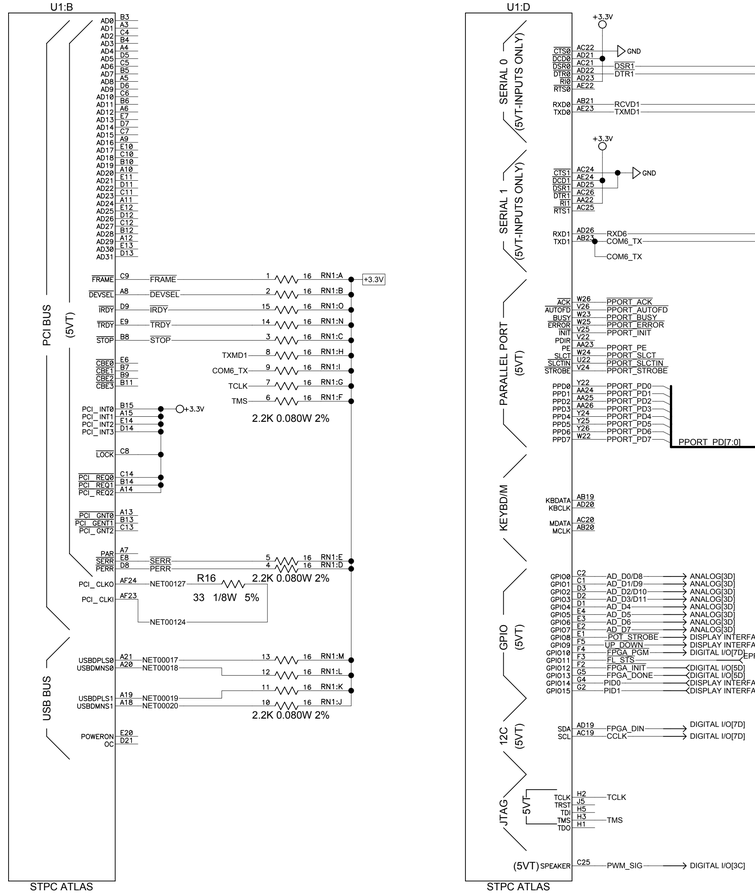

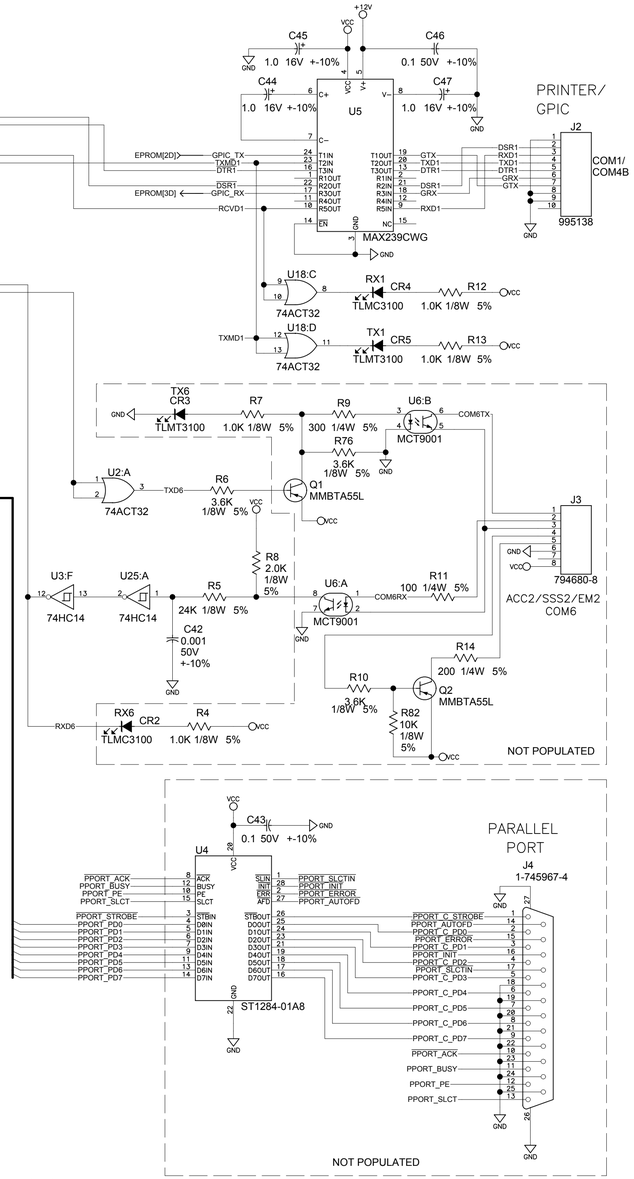

BYPASS CAPACITORS
FOR COMPONENTS W/GATES

C137 0.1 50V +-10% 7407		C144 0.1 50V +-10% 74HC14	
C139 0.1 50V +-10% 74ACT32		C145 0.1 50V +-10% 74HC14	
C140 0.1 50V +-10% 74ACT32		C146 0.1 50V +-10% 74HC4050	
C138 0.1 50V +-10% 74HC14		C147 0.1 50V +-10% 74F30SC	
C141 0.1 50V +-10% 74HC14			
C142 0.1 50V +-10% 74HC14	C149 0.1 50V +-10% 74LCX04		
C143 0.1 50V +-10% 74HC14	C150 0.1 50V +-10% 74LCX32		

SPARE GATES

U12:D 74HC14	RN16:D 1K 0.160W 2%
U12:E 74HC14	RN18:E 10K 0.160W2%
U12:F 74HC14	RN18:F 10K 0.160W2%
U2:B 74ACT32	RN18:G 10K 0.160W2%
U50:F 74HC4050	RN18:H 10K 0.160W2%
	RN38:L 47K 0.080W 2%

2.5 VOLT DECOUPLING CAPACITORS
C14 47 10V 10%; C16 0.1 50V 10%; C18 0.1 50V 10%; C20 0.1 50V 10%; C22 0.1 50V 10%; C24 0.01 50V 10%; C26 0.01 50V 10%

2.5 VOLT DECOUPLING CAPACITORS - PLACED ON THE SOLDER SIDE
C30 0.01 50V 10%; C31 0.01 50V 10%; C32 0.01 50V 10%; C33 0.01 50V 10%; C34 0.01 50V 10%; C36 0.01 50V 10%; C38 0.01 50V 10%; C40 0.01 50V 10%

3.3 VOLT DECOUPLING CAPACITORS
C15 47 10V 10%; C17 0.1 50V 10%; C19 0.1 50V 10%; C21 0.1 50V 10%; C23 0.1; C25 0.01 50V 10%; C27 0.01 50V 10%; C28 0.01 50V 10%; C29 0.01 50V 10%

3.3 VOLT DECOUPLING CAPACITORS - PLACED ON THE SOLDER SIDE
C35 0.01 50V 10%; C37 0.01 50V 10%; C39 0.01 50V 10%; C41 0.01 50V 10%

NOTES:

1. UNLESS OTHERWISE SPECIFIED:
   ALL CAPACITORS ARE IN MICROFARADS;
   ALL RESISTORS ARE IN OHMS
2. COMPONENTS WITH GATES THE:
   POWER PIN IS CONNECTED TO NET VCC OR +3.3V.
   GROUND PIN IS CONNECTED TO NET GND.
3. THE FOLLOWING SYMBOLS ARE NEEDED TO PLACE COUPONS AND FIDUCIALS ON THE PC BOARD.

COUPON FIDUCIAL FIDUCIAL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
–		NEW	NOT REL'D	KAW	BAS
A	04-03-03	R1 WAS 10K. SEE OTHER SHEETS.	0702-0007	KAW	BAS
B	10-17-03	SEE SHEET 7.	0703-3024	KAW	BAS

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YORK INTERNATIONAL CORPORATION
YORK, PA 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

CONTROL, OPTIVIEW MICROPROCESSOR BOARD, BGA POWER SCHEMATIC
(REF. DWG.)

MATERIAL
TYPE ____ ENG. STD. E-355
PART NO. ____
CUT SIZE ____

NAME	DATE
DR. K. A. WERTMAN	04-15-02
APPR. B. A. SMITH	05-15-02
SCALE: N.T.S.	

SIZE	CAGE NO	DRAWING NUMBER
D	66935	031-02430-999

Tue Nov 25, 2003 | WT.= LBS. | ORIG. NO. | SHEET 1 OF 9

031-02430-999_b0.sch