

AC 110V -->
DC 3.3V/5A
Power Module

PCB 1

Page 2

EEPROM
24C02/8

EEDAT
EECLK

CPU_DAT
CPU_CLK

MII 1

MII 2

IP1726

24 SS-SMII + 2 MII 10/100M
Switch Controller
128 Pin QFP

3.3V->1.8V

25MHz
Crystal

Initial Pin setting

Page 7
Port 25/26
IP101(Fiber)
or
Web management
TF320
RS232
Page 8

Extend Interface

PCB 2/3

Page 6
LED Module
(Series Mode)

Page 3

IP108
Octal PHY

PHY Add.
8~15

3.3V->1.8V

Quad port pulse
transformers

Quad port pulse
transformers

Port 1 ~ 8 RJ45

Page 4

IP108
Octal PHY

PHY Add.
15~23

3.3V->1.8V

Quad port pulse
transformers

Quad port pulse
transformers

Port 9 ~ 16 RJ45

Page 5

IP108
Octal PHY

PHY Add.
24~31

3.3V->1.8V

Quad port pulse
transformers

Quad port pulse
transformers

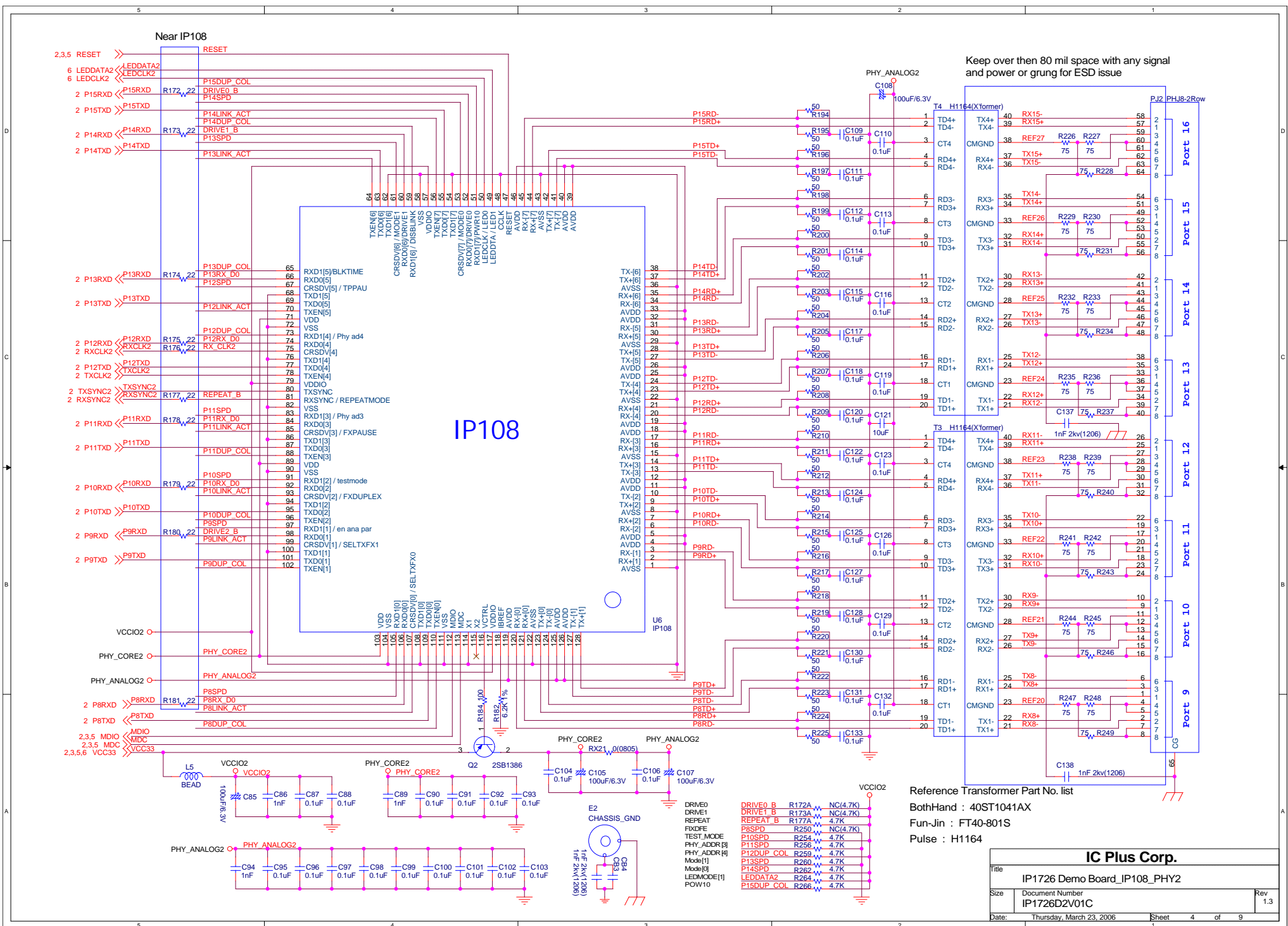
Port 17 ~ 24 RJ45

SS-SMII

SS-SMII

SS-SMII

IC Plus Corp.		
Title IP1726 Demo Board_Block Diagram		
Size B	Document Number IP1726D2V01C	Rev 1.3
Date:	Thursday, March 23, 2006	Sheet 1 of 9

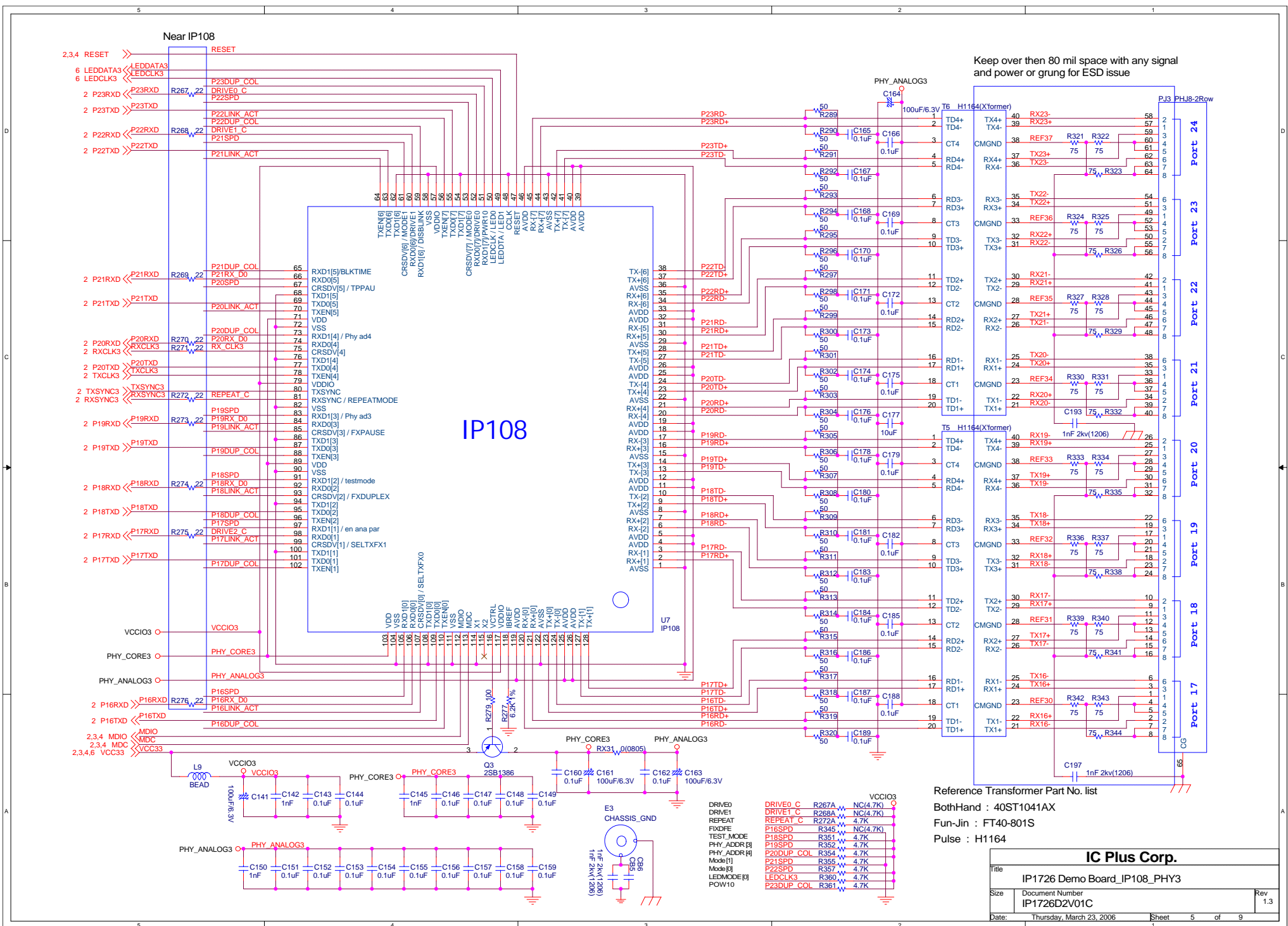


Keep over then 80 mil space with any signal and power or grung for ESD issue

Reference Transformer Part No. list
 BothHand : 40ST1041AX
 Fun-Jin : FT40-801S
 Pulse : H1164

- DRIVE0_B R172A 4.7K
- DRIVE1_B R173A 4.7K
- REPEAT_B R177A 4.7K
- FIXDRE R250 4.7K
- TEST_MODE R254 4.7K
- PHY_ADDR [3] R256 4.7K
- PHY_ADDR [2] R259 4.7K
- P12DUP_COL R260 4.7K
- P13SPD R262 4.7K
- P14SPD R264 4.7K
- LEDDATA2 R264 4.7K
- P15DUP_COL R266 4.7K

IC Plus Corp.		
Title IP1726 Demo Board_IP108_PHY2		
Size	Document Number IP1726D2V01C	Rev 1.3
Date:	Thursday, March 23, 2006	Sheet 4 of 9



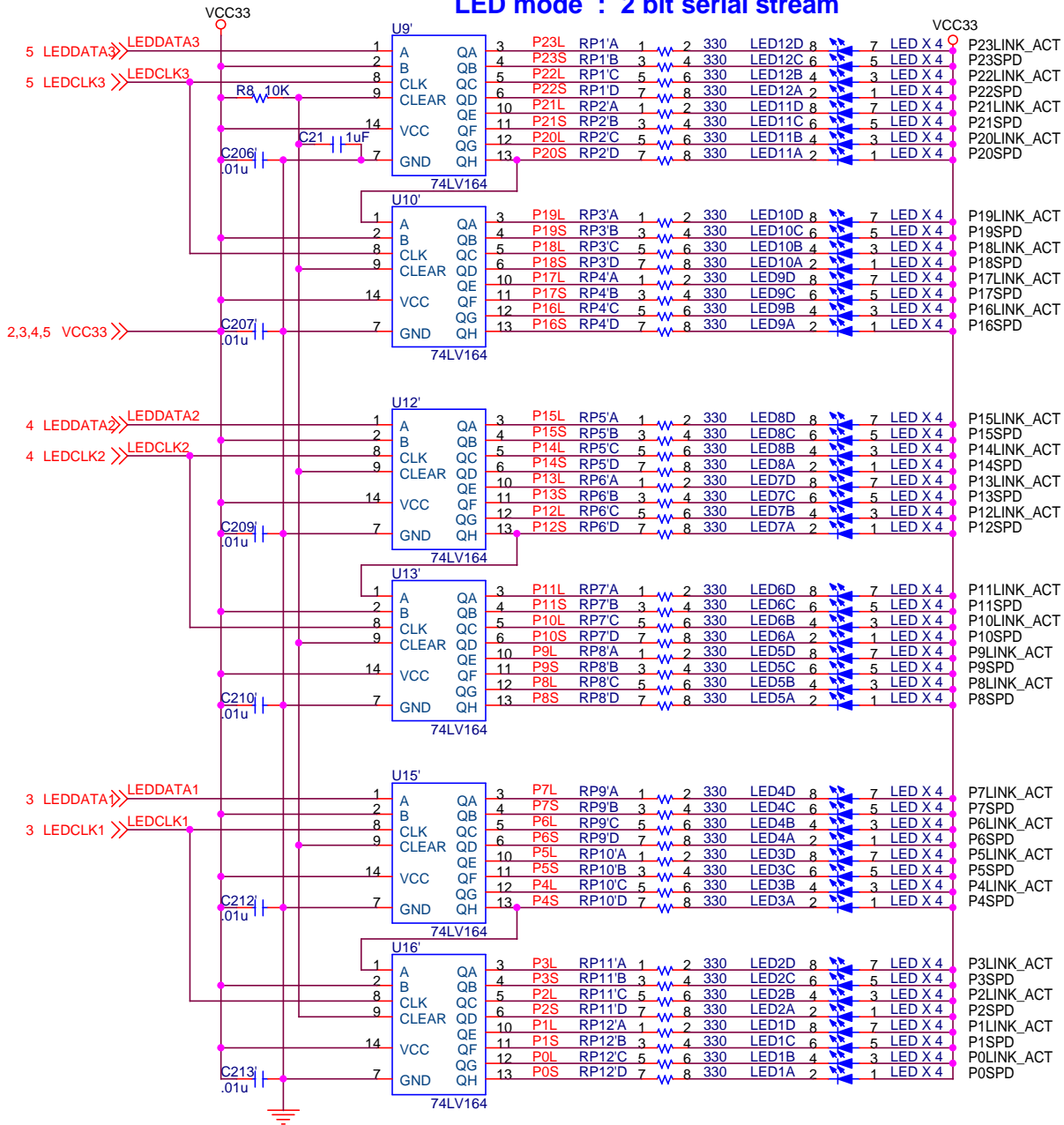
Keep over then 80 mil space with any signal and power or grung for ESD issue

Reference Transformer Part No. list
 BothHand : 40ST1041AX
 Fun-Jin : FT40-801S
 Pulse : H1164

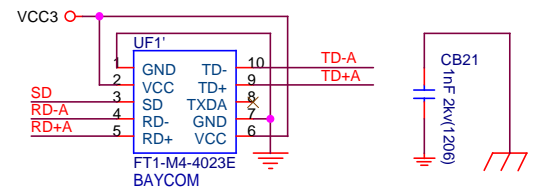
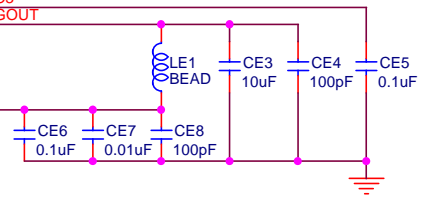
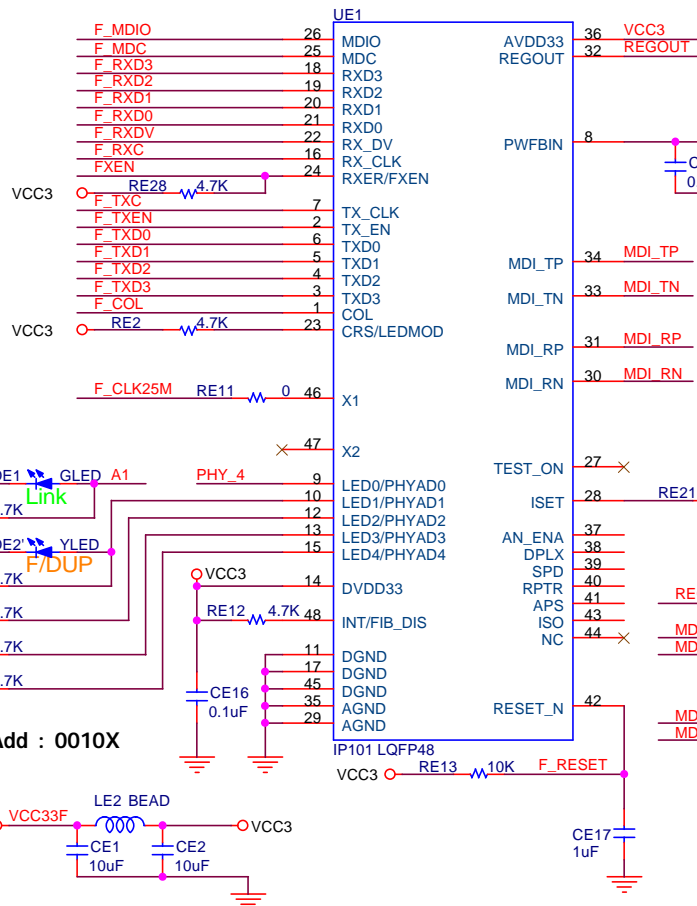
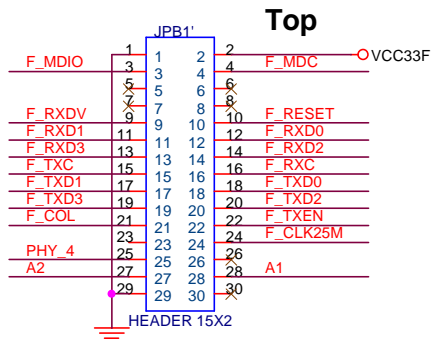
IC Plus Corp.

Title IP1726 Demo Board_IP108_PHY3		
Size	Document Number IP1726D2V01C	Rev 1.3
Date:	Thursday, March 23, 2006	Sheet 5 of 9

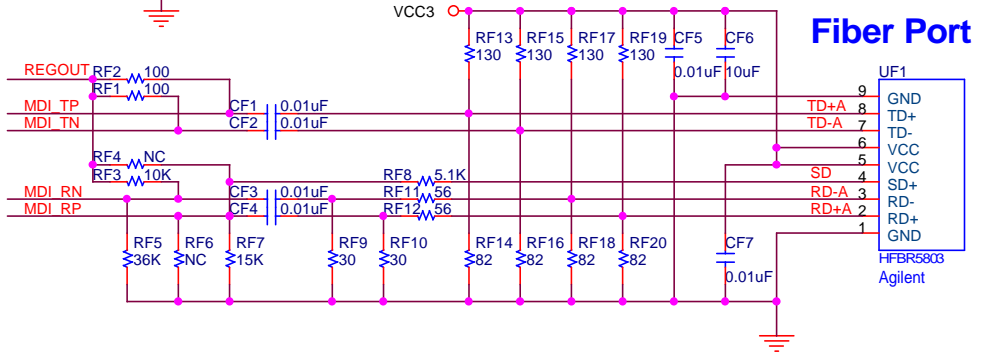
LED mode : 2 bit serial stream



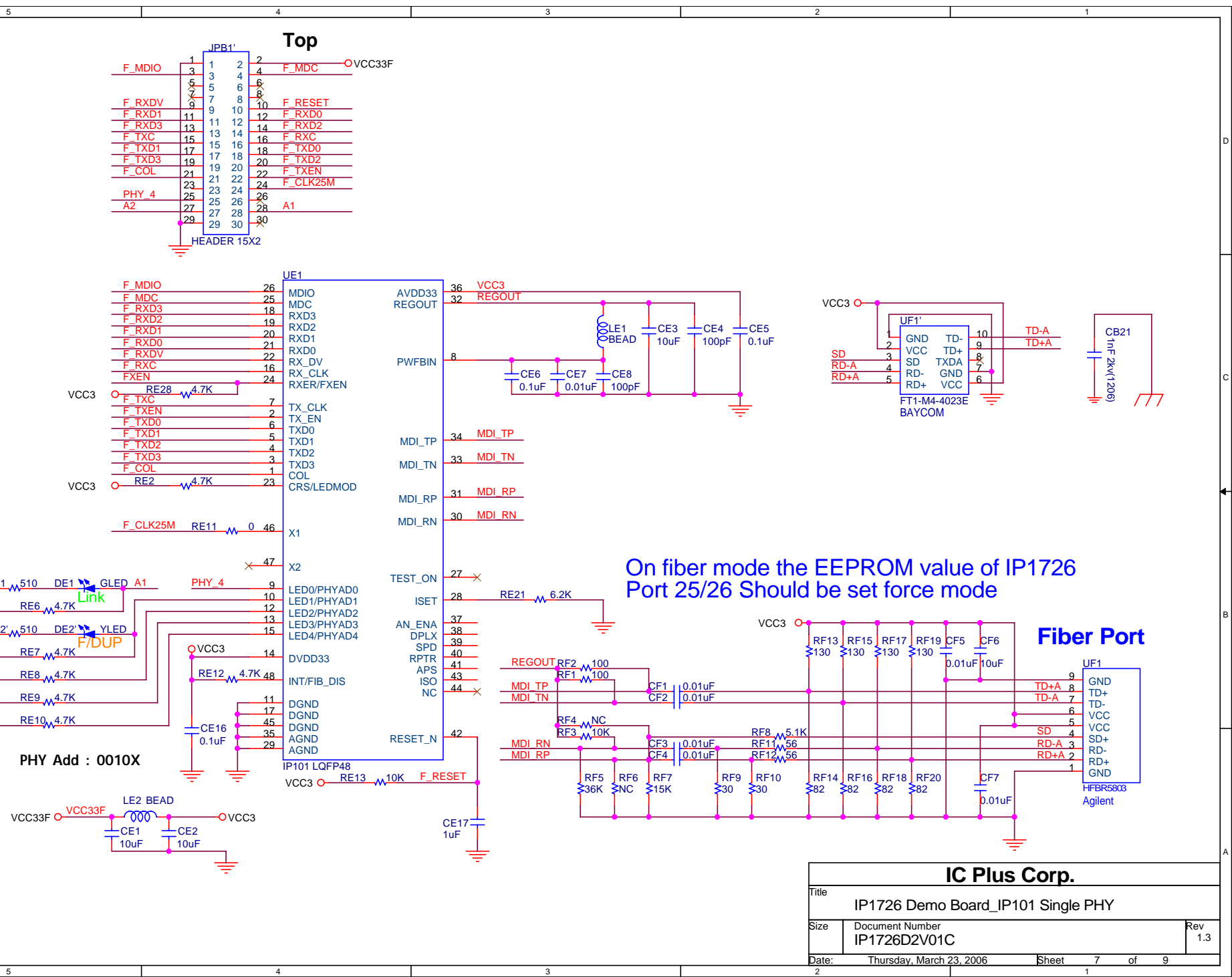
IC Plus Corp.		
Title IP1726 Demo Board_LED module		
Size	Document Number IP1726D2V01C	Rev 1.3
Date:	Thursday, March 23, 2006	Sheet 6 of 9



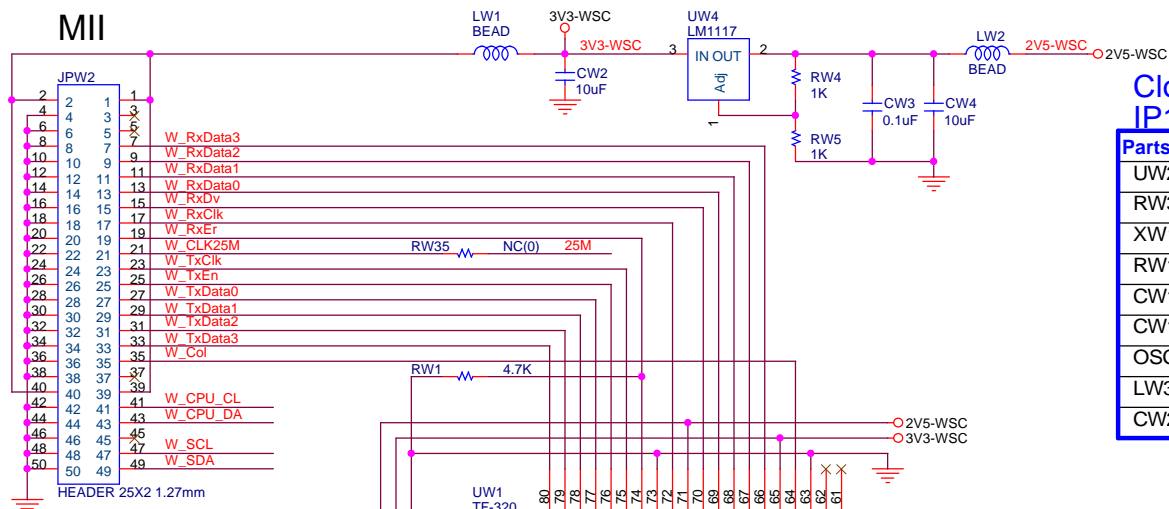
On fiber mode the EEPROM value of IP1726 Port 25/26 Should be set force mode



IC Plus Corp.		
Title IP1726 Demo Board_IP101 Single PHY		
Size	Document Number IP1726D2V01C	Rev 1.3
Date:	Thursday, March 23, 2006	Sheet 7 of 9

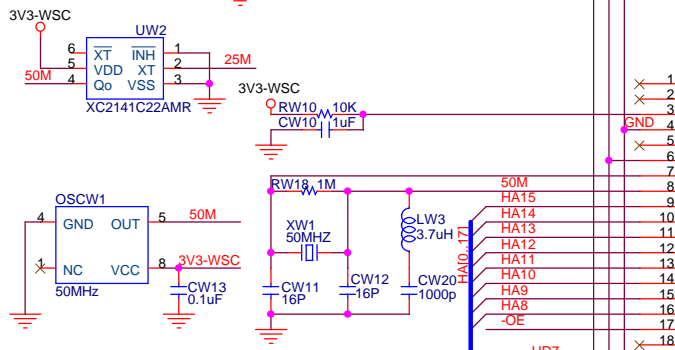


MII

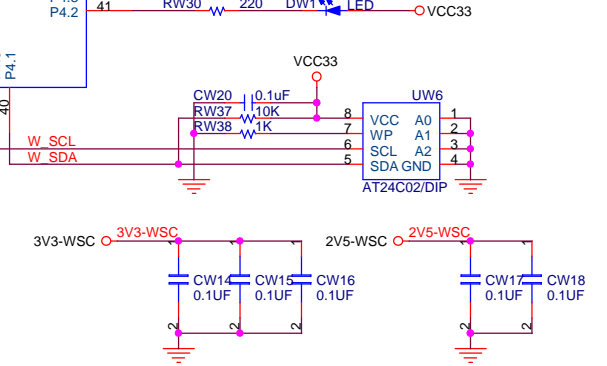
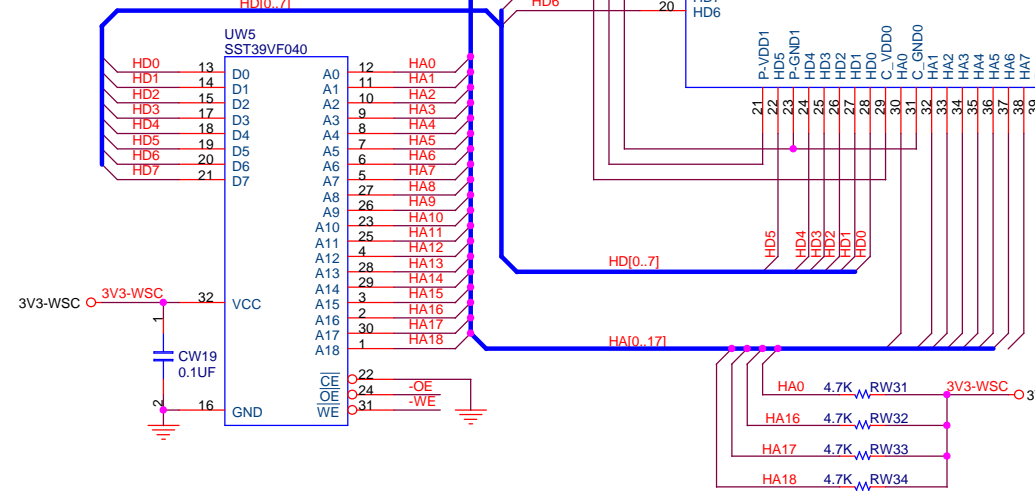
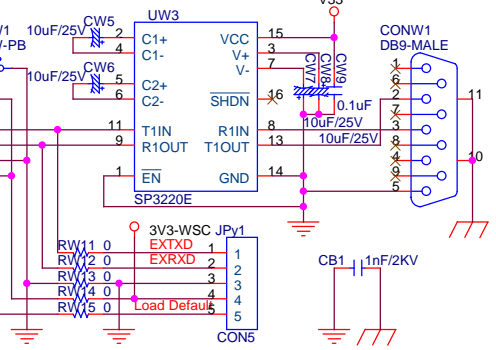


Clock source select from IP1726 or Crystal or OSC

Parts No.	IP1726	Crystal	OSC
UW2	XC2141C22AMR	NC	NC
RW35	0	NC	NC
XW1	NC	50MHz	NC
RW18	NC	1M	NC
CW11	NC	16pF	NC
CW12	NC	16pF	NC
OSCW1	NC	NC	50MHz
LW3	NC	3.7uH	NC
CW20	NC	1000pF	NC



CONSOLE-PORT



IC Plus Corp.		
Title	TF320 Web Server	
Size	Document Number	Rev
	Web Server	2.3
Date:	Thursday, March 23, 2006	Sheet 8 of 9