Revisions			
REV	Description	Date	Approved
A	SEED-FEM025v1.0	2007-5-20	Mark Qian
B	SEED-FEM025v2.0	2008-6-20	Mark Qian

Notes, Unless Otherwise Specified:

1. Resistance Values are in Ohms.
2. Capacitance Values are in Microfarads.
3. Inductance Values are in Microhenries.
4. Highest Reference Designator used:

A.	IC's	U44
B.	Resistors	R203
C.	Capacitors	C248
D.	Inductors	L4
E.	Transistors	Q4
F.	LED	D1
G.	Crystals	X4
H.	Connectors/Headers	JB
I.	Switches	SW1
J.	Test Points	TP4

5. The following is the list of uninstalled parts:

Sheet:

Revision Status of Sheets								
REV								
SH								
REV								
SH								
REV								
SH								
REV								
SH	1	2	3	4	5	6	7	

Application

DWN: Dzb	Date:2008-06-20
CHK:	Date:
ENGR:	Date:
MGR:	Date:
QA:	Date:
MFG:	Date:
RLSE:	Date:

SEED Electronic Technology Ltd.

Address: No.106 Zhichunlu,Haidian District,Beijing 100086

Telephone: (010)51518855 FAX: (010)51518866

Title:	FPGA Embedded Module With Virtex4-SX25	
Size: B	Document No.: 5.537.047DL	Rev: B
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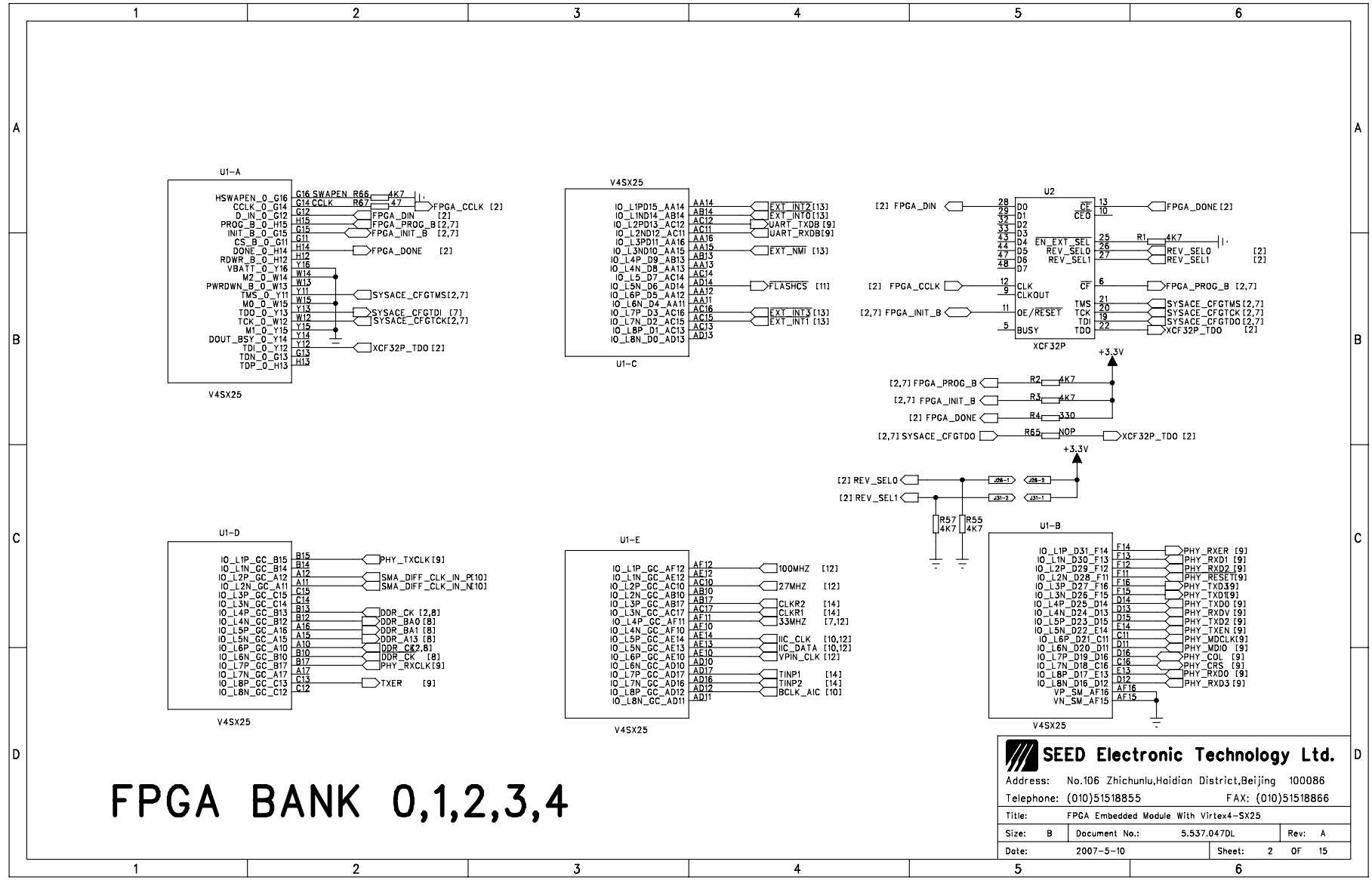
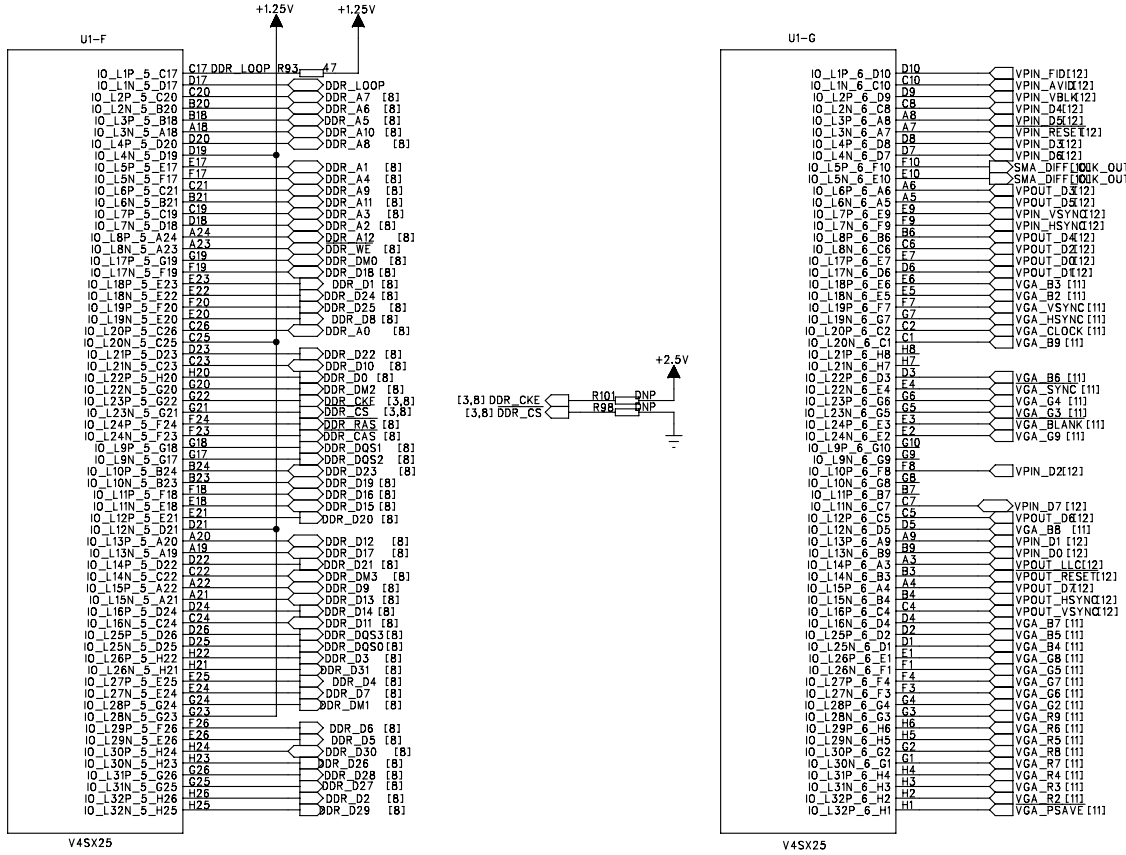

U1-A
V4SX25
U1-C
U2
XCF32P
U1-D
U1-E
U1-B
+3.3V
FPGA BANK 0,1,2,3,4
SEED Electronic Technology Ltd.
Address: No.106 Zhichunlu,Haidian District,Beijing 100086
Telephone: (010)51518855 FAX: (010)51518866
Title: FPGA Embedded Module With Virtex4-SX25
Size: B Document No.: 5.537.047DL Rev: A
Date: 2007-5-10 Sheet: 2 OF 15



FPGA BANK 5 AND 6

SEED Electronic Technology Ltd.
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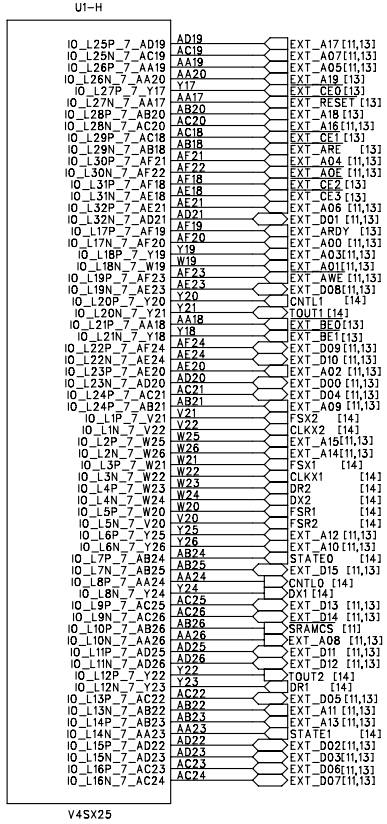

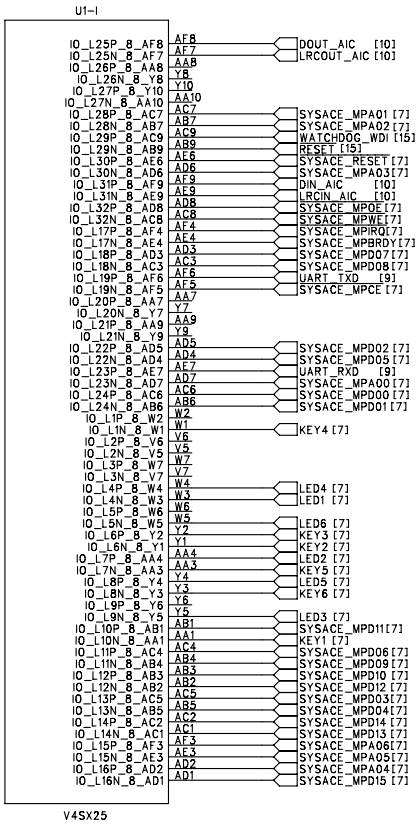

FPGA BANK 7 AND 8

SEED Electronic Technology Ltd.
Address: No.106 Zhichunlu,Haidian District,Beijing 100086
Telephone: (010)51518855 FAX: (010)51518866

Title:	FPGA Embedded Module With Virtex4-SX25		
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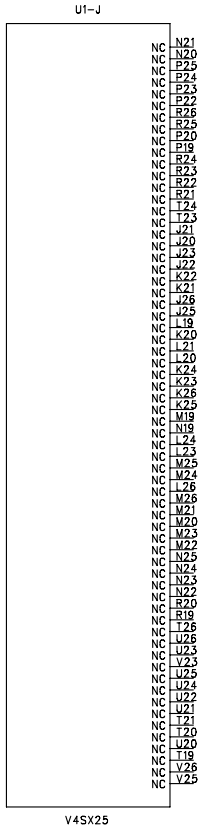

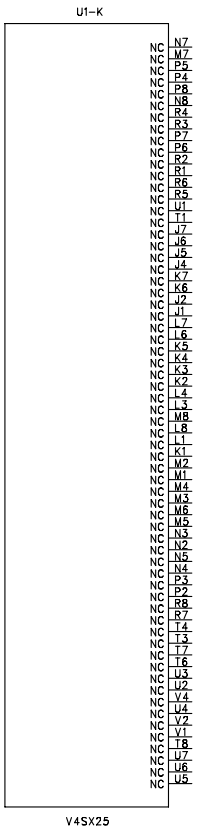

RESERVE PIN

SEED Electronic Technology Ltd.			
Address: No.106 Zhichunlu,Haidian District,Beijing 100086			
Telephone: (010)51518855		FAX: (010)51518866	
Title: FPGA Embedded Module With Virtex4-SX25			
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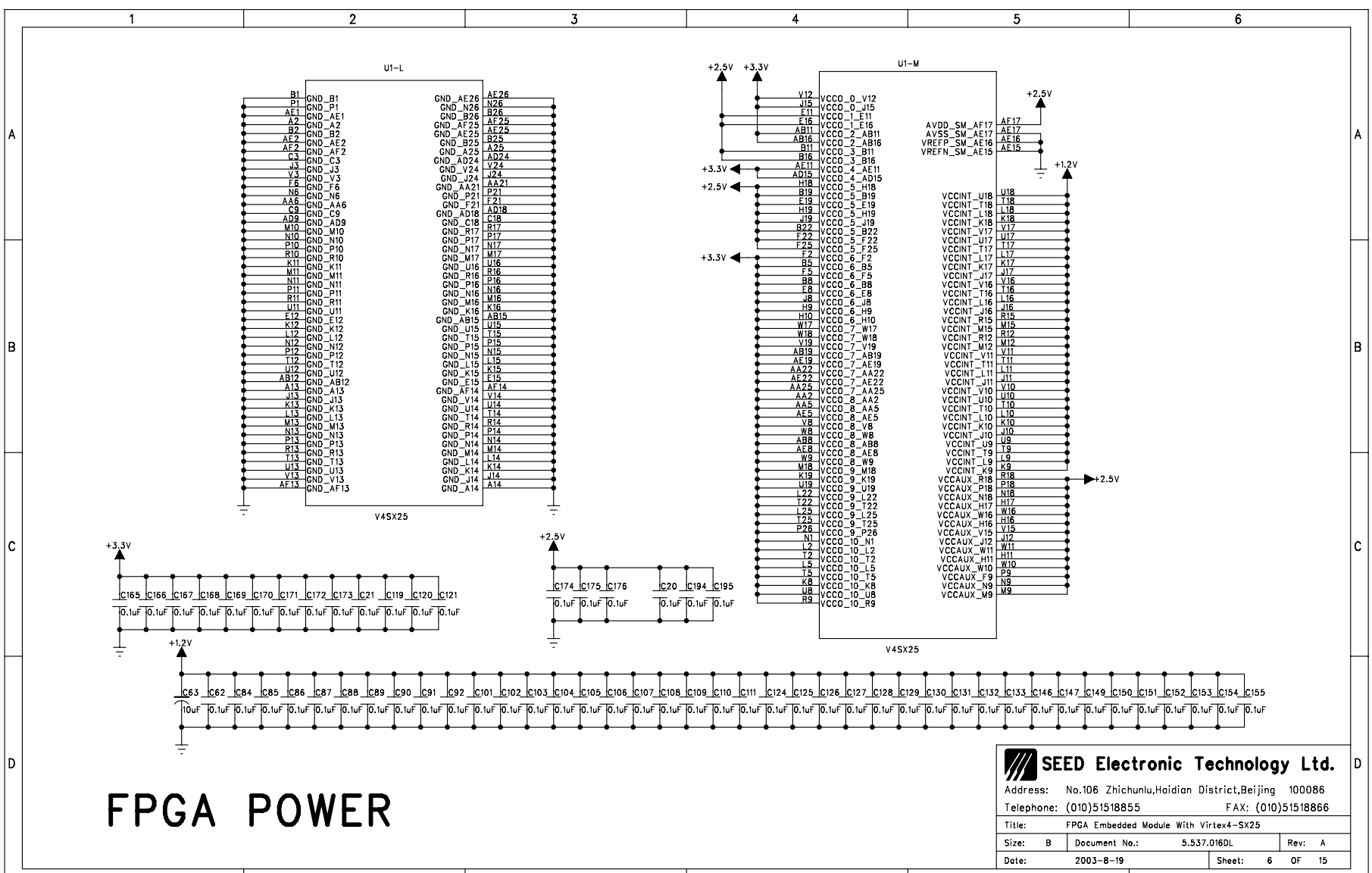
U1-L
V4SX25
U1-M
V4SX25
+2.5V
+3.3V
+1.2V
FPGA POWER
SEED Electronic Technology Ltd.
Address: No.106 Zhichunlu,Haidian District,Beijing 100086
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Title: FPGA Embedded Module With Virtex4-SX25
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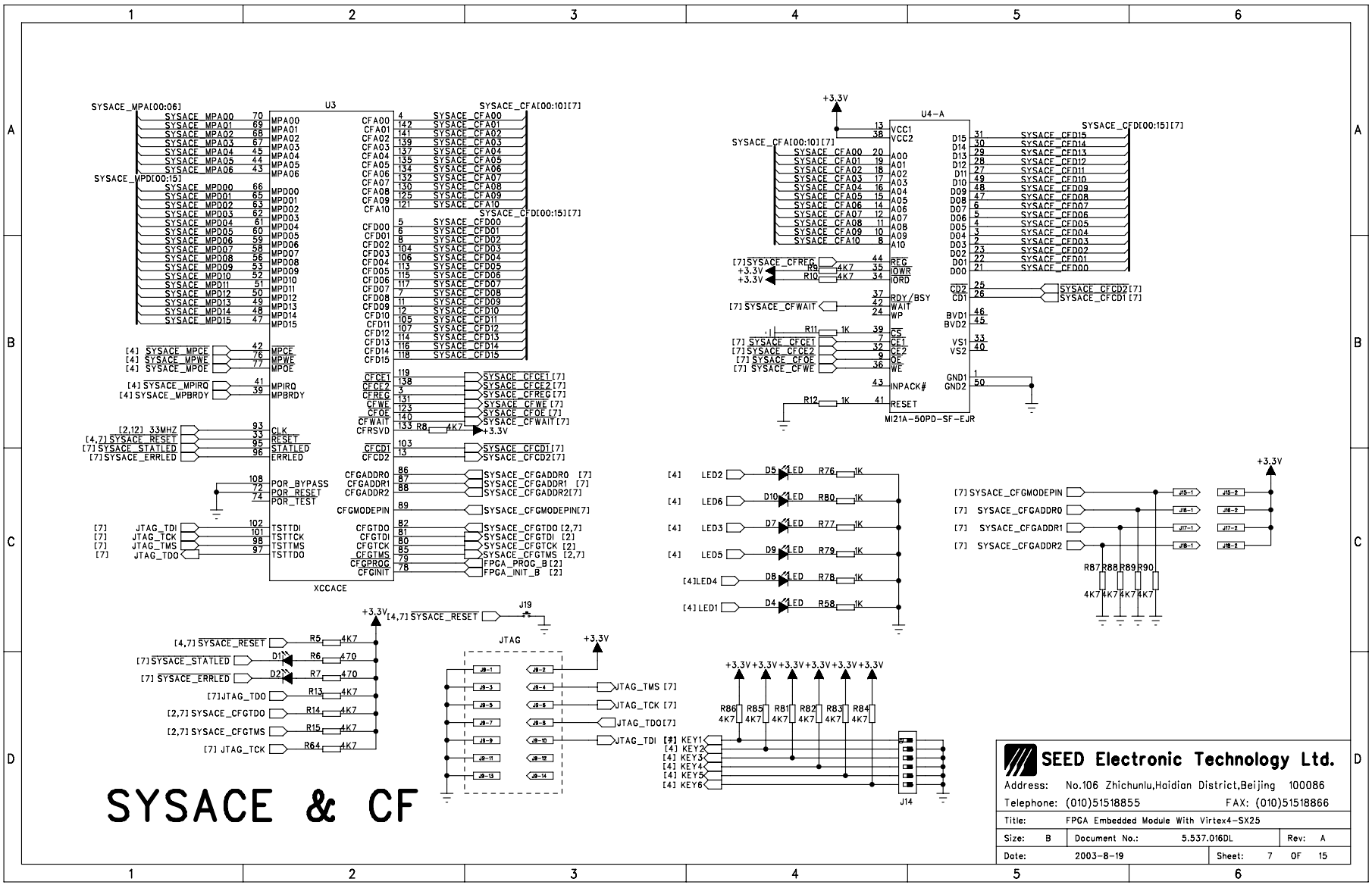
SYSACE_MPA[00:06]
SYSACE_MPD[00:15]
U3
XCCACE
SYSACE_CFA[00:10][7]
SYSACE_CFD[00:15][7]
U4-A
MI21A-50PD-SF-EJR
+3.3V
JTAG
J19
J14
SYSACE & CF
SEED Electronic Technology Ltd.
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Title: FPGA Embedded Module With Virtex4-SX25
Size: B Document No.: 5.537.016DL Rev: A
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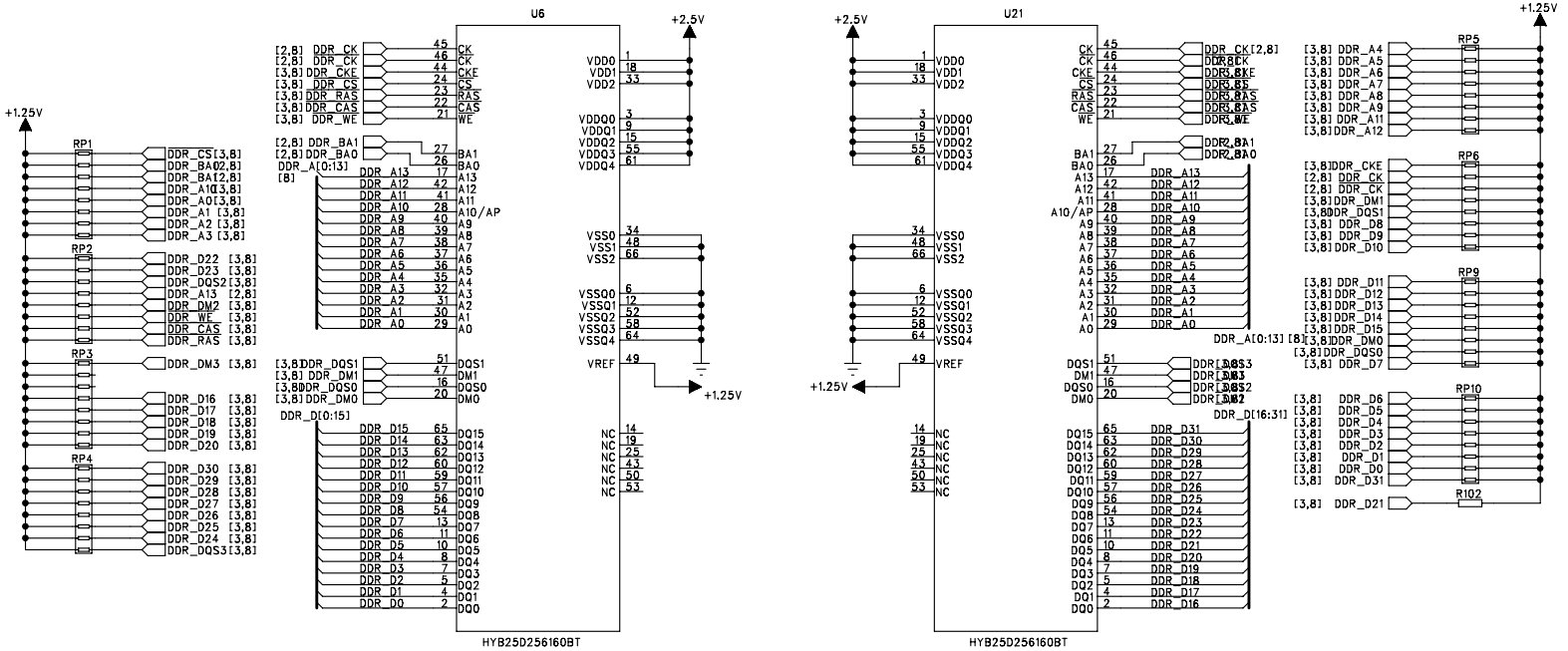

DDR SDRAM

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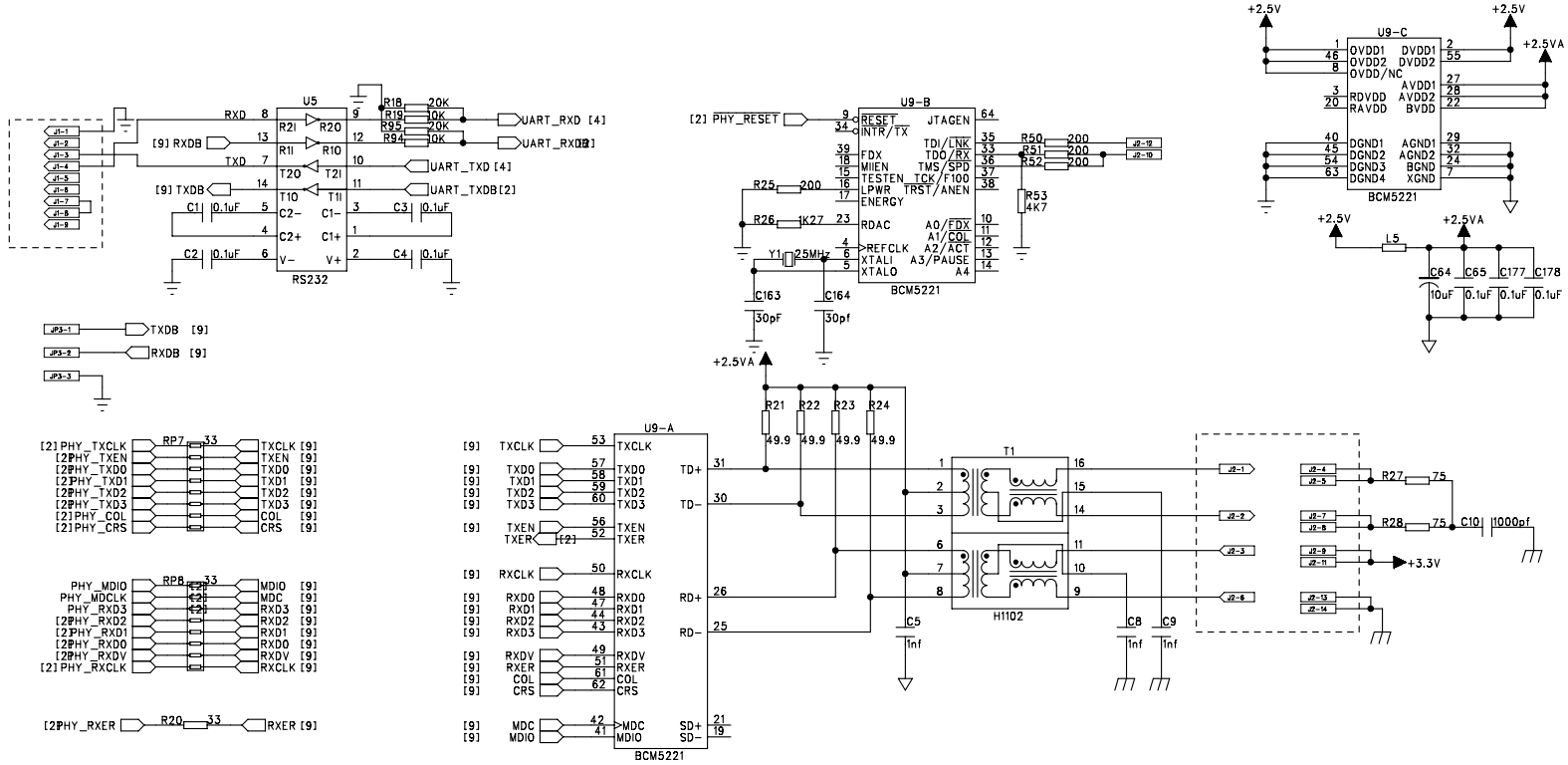

UART & ETHERNET

SEED Electronic Technology Ltd.			
Address: No.106 Zhichunlu,Haidian District,Beijing 100086			
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Title: FPGA Embedded Module With Virtex4-SX25			
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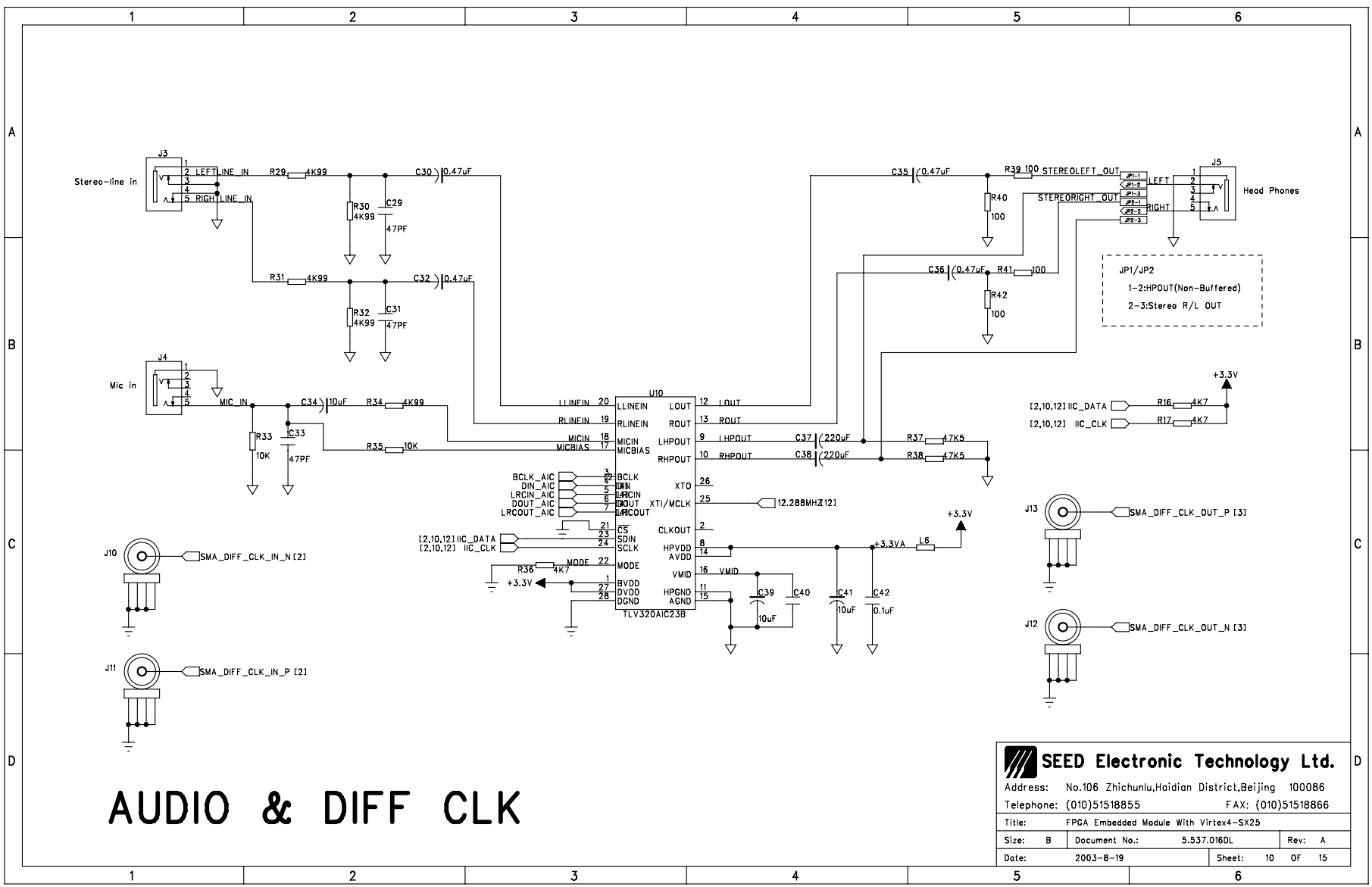

AUDIO & DIFF CLK

SEED Electronic Technology Ltd.	
Address:	No.106 Zhichunlu,Haidian District,Beijing 100086
Telephone: (010)51518855	FAX: (010)51518866
Title:	FPGA Embedded Module With Virtex4-SX25
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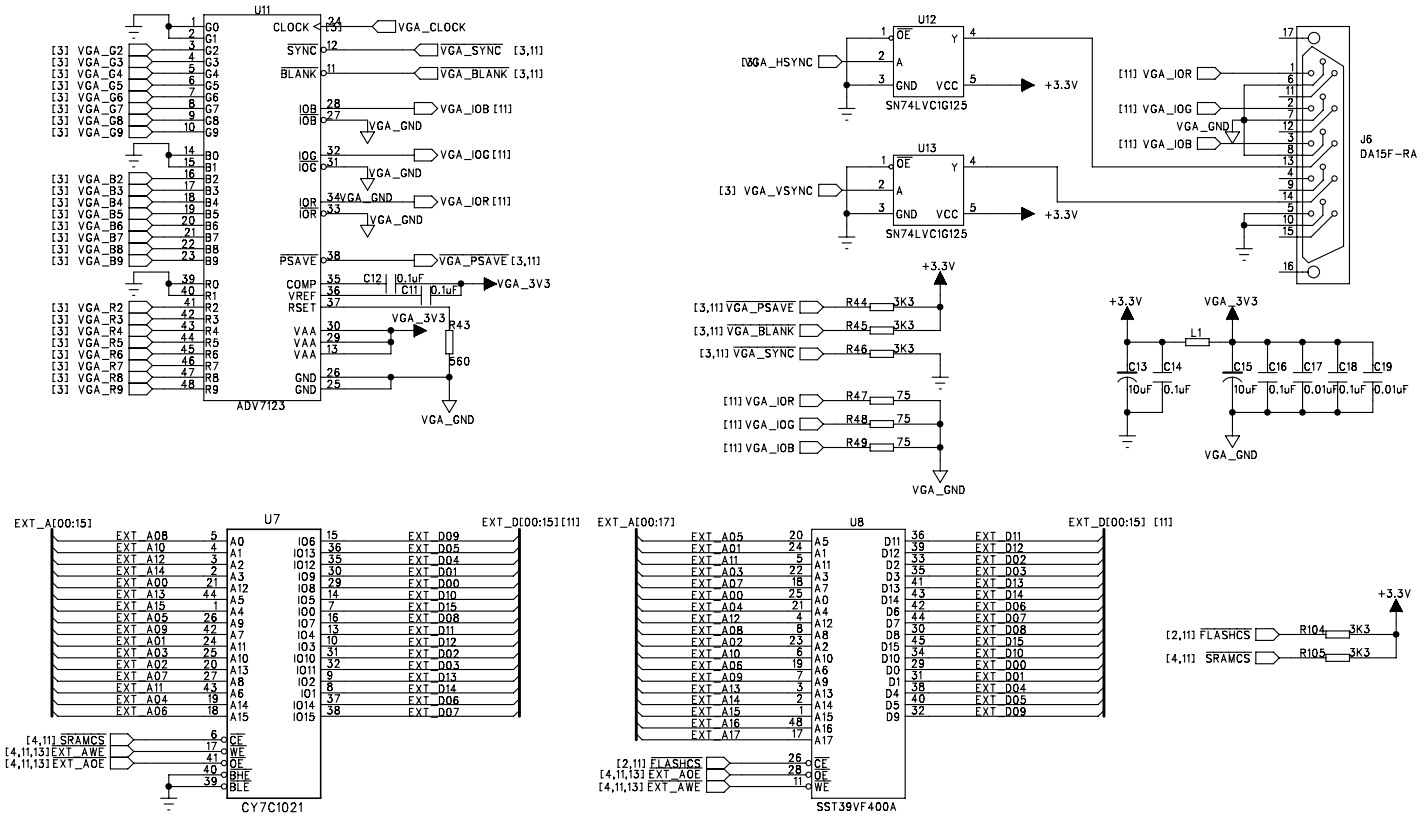

VGA OUTPUT SRAM & FLASH

SEED Electronic Technology Ltd.
Address: No.106 Zhichunlu,Haidian District,Beijing 100086
Telephone: (010)51518855 FAX: (010)51518866

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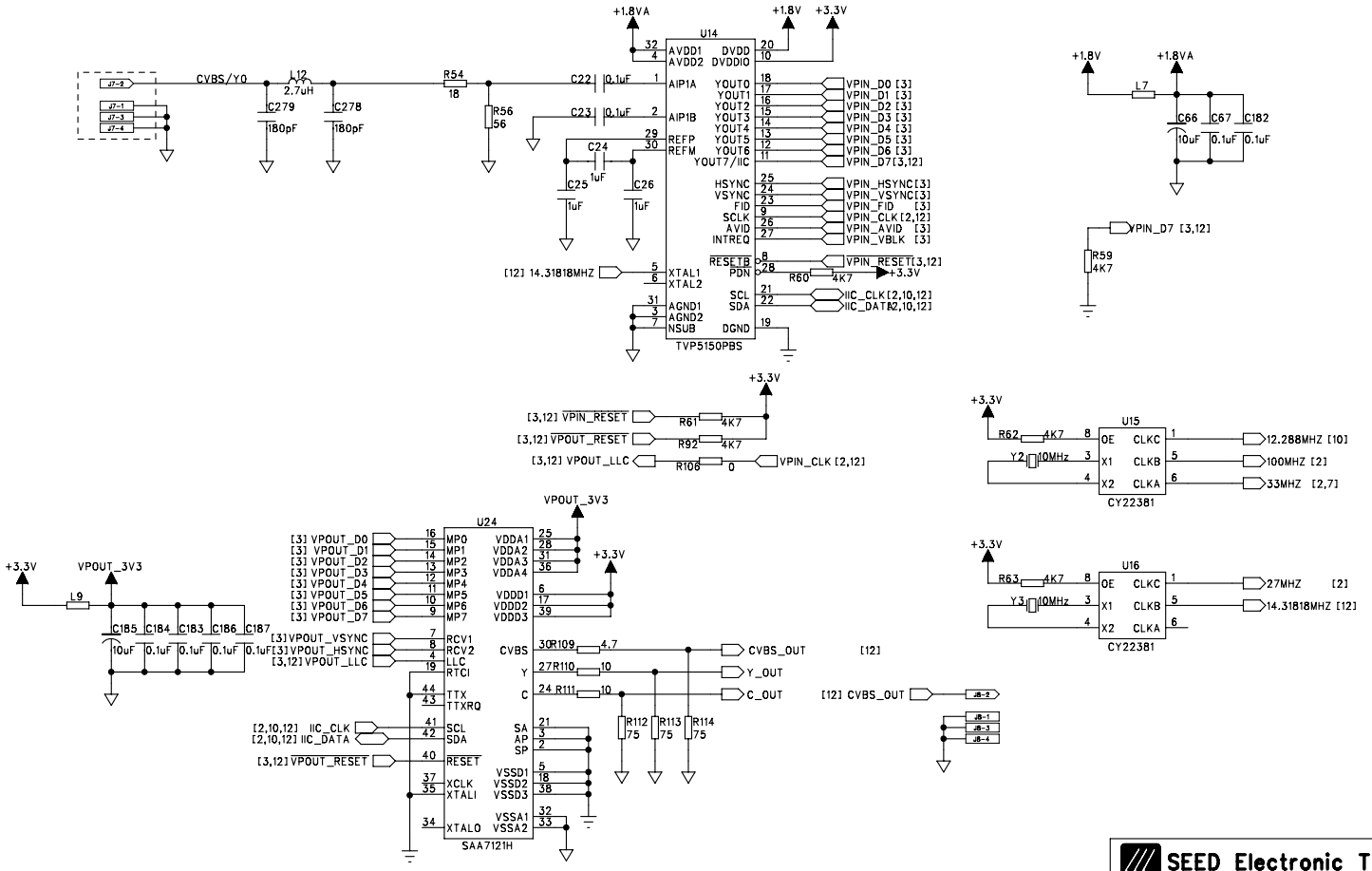

VIDEO IN & VIDEO OUT & CLOCK

SEED Electronic Technology Ltd.			
Address: No.106 Zhichunlu,Haidian District,Beijing 100086			
Telephone: (010)51518855		FAX: (010)51518866	
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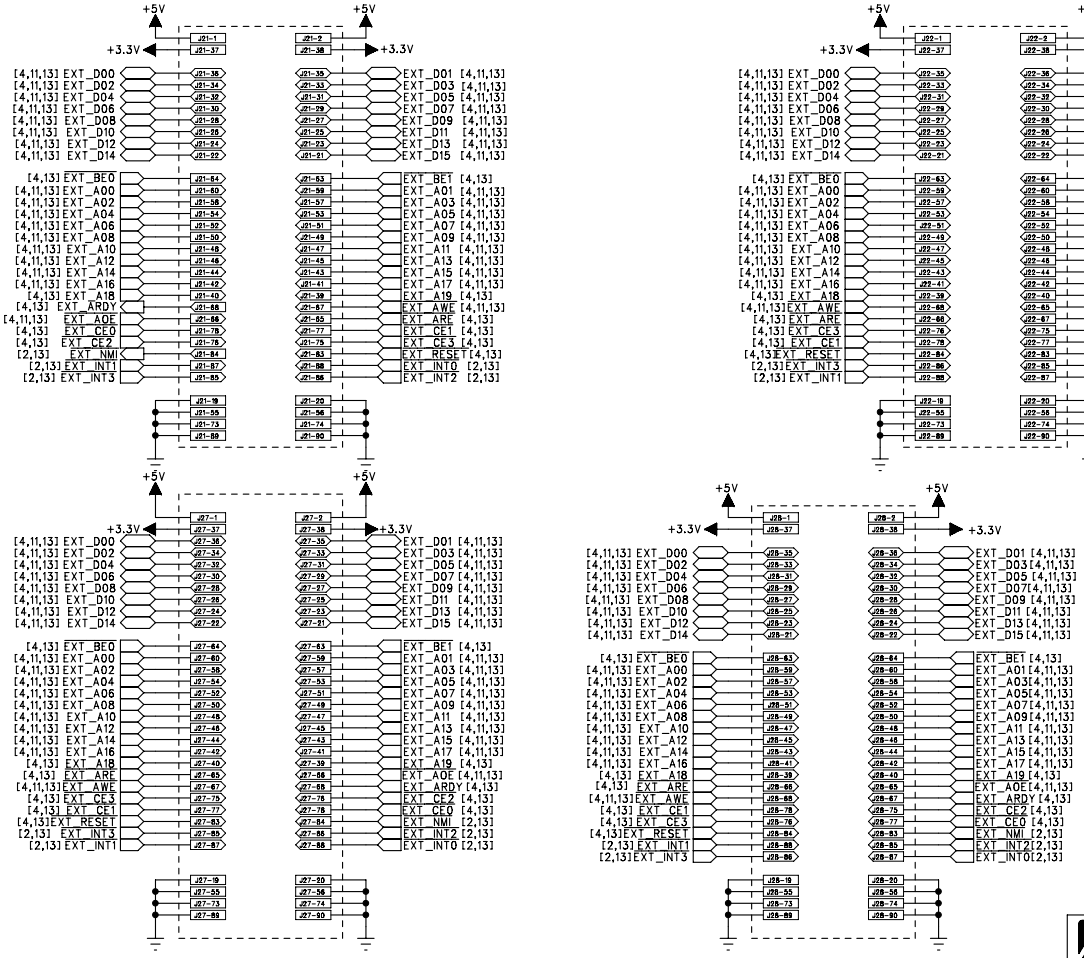

MEMORY EXTEND BUS

SEED Electronic Technology Ltd.			
Address:	No.106 Zhichunlu,Haidian District,Beijing 100086		
Telephone:	(010)51518855	FAX: (010)51518866	
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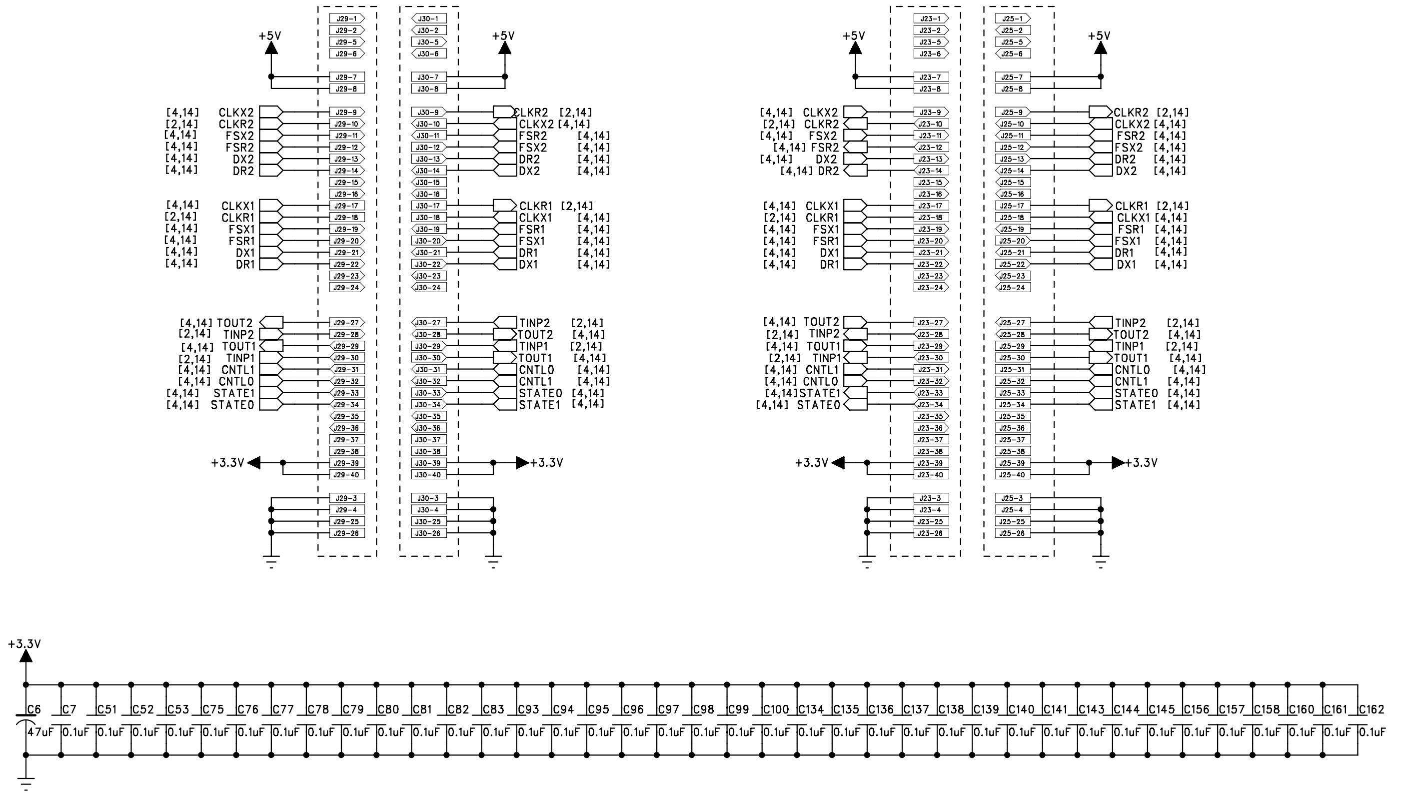

EXTEND PERIPHERALS BUS

SEED Electronic Technology Ltd.
Address: No.106 Zhichunlu,Haidian District,Beijing 100086
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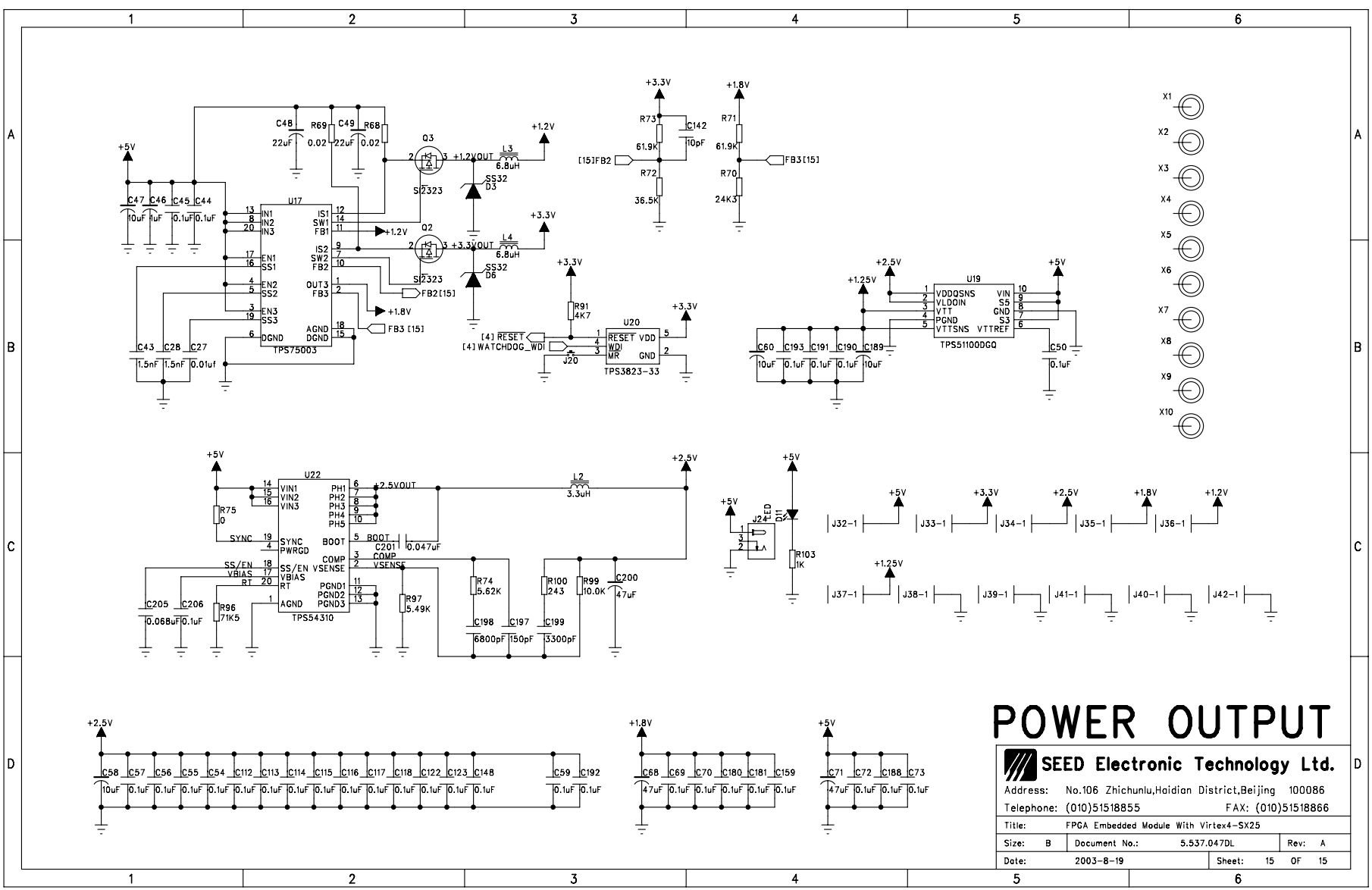
POWER OUTPUT
SEED Electronic Technology Ltd.
Address: No.106 Zhichunlu,Haidian District,Beijing 100086
Telephone: (010)51518855 FAX: (010)51518866
Title: FPGA Embedded Module With Virtex4-SX25
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TPS75003
TPS3823-33
TPS51100DGQ
TPS54310