

<i>TITLE</i>	<i>SHEET</i>
<i>Cover Sheet</i>	<i>1</i>
<i>Block Diagram</i>	<i>2</i>
<i>General Spec.</i>	<i>3</i>
<i>Change Lise</i>	<i>4</i>
<i>Component Size</i>	<i>5</i>
<i>Processor</i>	<i>6,7</i>
<i>North Bridge</i>	<i>8,9,10,11,12</i>
<i>South Bridge</i>	<i>13,14,15</i>
<i>Clock Synthesizer)</i>	<i>16</i>
<i>Sdram Dimms</i>	<i>17,18,19</i>
<i>PCI-Ex16 Slot</i>	<i>20</i>
<i>Pci Slot</i>	<i>21</i>
<i>FLOPPY&USB</i>	<i>22</i>
<i>IDE Connectors</i>	<i>23</i>
<i>ATX Power & Bypass CAP</i>	<i>24</i>
<i>COM&LPT&PS2& USB</i>	<i>25</i>
<i>FRONT PANEL</i>	<i>26</i>
<i>Audio Codec</i>	<i>27</i>
<i>AUDIO Connector</i>	<i>28</i>
<i>VCC_CORE DC-DC Converter</i>	<i>29</i>
<i>Miscellaneous DC-DC Converters</i>	<i>30</i>
<i>V_SM & V_1P25_CORE</i>	<i>31</i>
<i>SUPER I / O</i>	<i>32</i>
<i>VGA conector</i>	<i>33</i>
<i>DVI</i>	<i>34</i>
<i>RTL8100C LAN Chips</i>	<i>35</i>
<i>BOM & MH & Coupon</i>	<i>36</i>

BIOSTAR GROUP

IG41B-M7S

uATX

VER:6.0

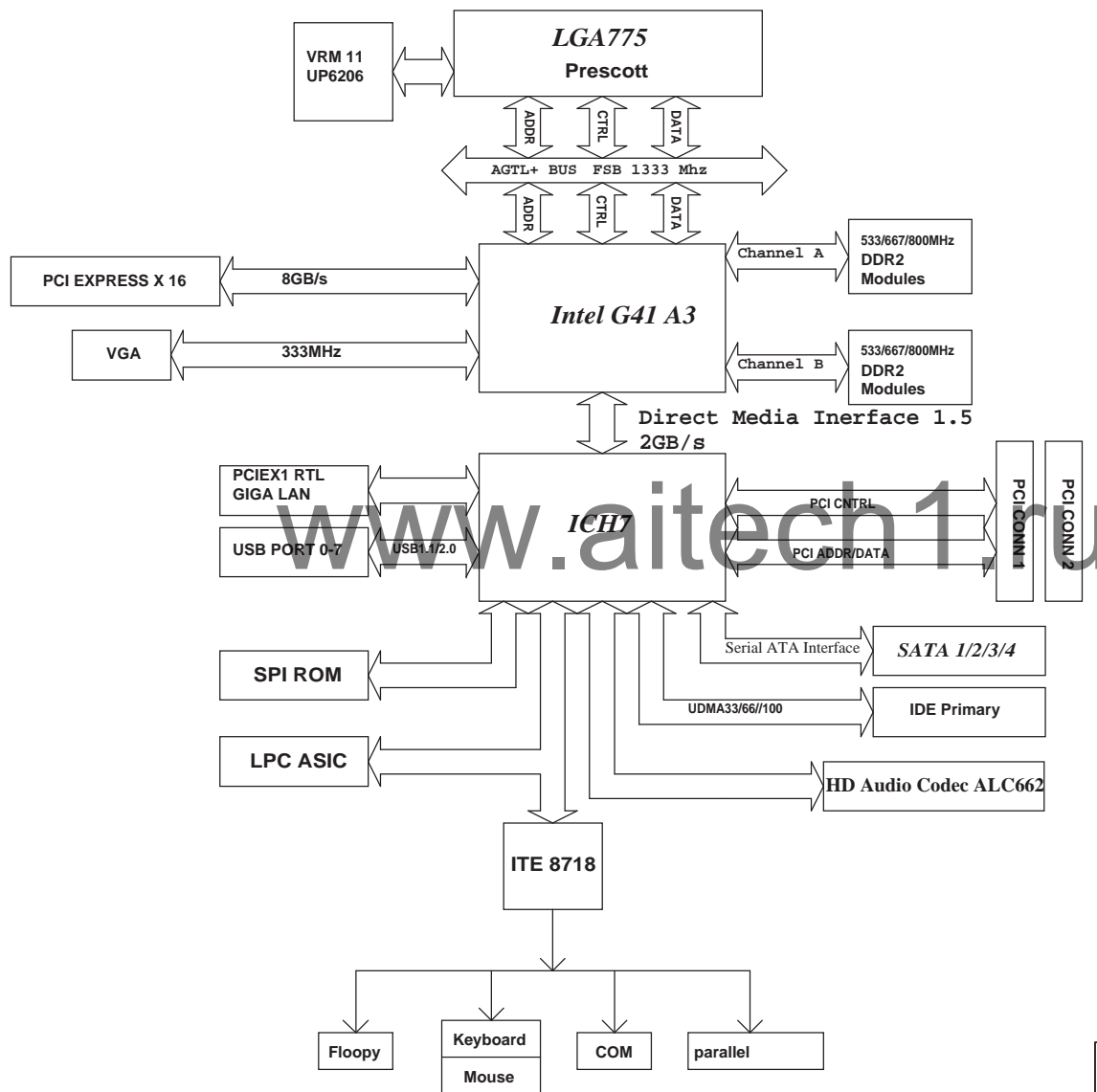
775 CPU , FSB1333 ,
PCI-Ex16 , DDR-II* 2 ,
1000 LAN,PCI*2


www.aitech1.ru



Title			Cover Sheet	
Size	Document Number	IG41B-M7S		Rev
Custom				6.0
Date:	Wednesday, May 20, 2009	Sheet	1	of 36

BLOCK DIAGRAM




 映泰股份有限公司 BIOSSTAR GROUP			
Block Diagram			
IG41B-M7S			
Size Custom	Document Number	Rev 6.0	
Date: Wednesday, May 20, 2009	Sheet	2	of 36

PCI Slot	IDE SEL	INT#	GNT#	REQ#	CLOCK
1					
2					

Chips	IDE SEL	INT#	GNT#	REQ#	CLOCK	GPIO
PATA						
ICH7						
S						
I/O BIOS						
LAN						
ANTI-POP						
DIMM-OV						
CPU-OV						
SATA-LED						
S						
I/O						

www.aitech1.ru

		映泰股份有限公司 BIOSSTAR GROUP	
Title			
General Spec.			
Size Custom	Document Number IG41B-M7S		Rev 6.0
Date: Wednesday, May 20, 2009	Sheet 3 of 36		


1. 載網MOS
 2. PAGE31 載網轉消並線乙賤S3逼停修板
 3. PAGE32 蔚SI O 腔JP跨痛效嶺
 4. PAGE27 28 蔚跪踪PORT腔措蘭其鄰載網略75種線乙 室狂嶺22K
 5. 党網PART REF NO
 6. 2JVG1. 6, JVG1. 7, JVG1. 8, QB0. 2, QB9. 2, C529. 2, C528. 2, C530. 2, C527. 2, C524. 2, C526. 2, C525. 2 網諱GND(党網 貨?)
C164 = 102pf
FB10, AR2, FB13 = 0 ohm R
 7. WAKE#跨痛1K效嶺網略4. 7K效嶺
 8. BI OS ROM應4M網略8M
 9. LAN CONN 1容10PI N峭畝效嶺, 其 善華乙 畝1PI N其 善華乙10PI N嶺華 (
 10. RTM876-665 SSCP 56P VTT_PG各腔其 紐此乙氣樓VCCP料微玲玲3904諷菜並線,
 11. CPU FAN 腔12V其 網略100UF
 12. Q28 D價樓玲1000UF其 乙PC23網略CPU_GTLREF0腔? 乙弁禹祥曹
 13. 靖樓CLEAR CMOS核並線
 14. 載網NB PLL腔1. 1V其抑乙斯玲踪2300MOS等黃蠟1. 1V鼎PLL斯
 15. 載網RESET並線
6. 0 TO 6. 1
1. 靖樓PSI 諷菜

IG41B-M7S V6. 0:

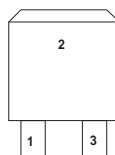
2009. 05. 19 LMB24並做其埠MOS G價乙S價昭潔樓玲1K其鄰乙賤樞其埠堤祥佃隅略玲搥喘疏修板 (

靖樓PC36

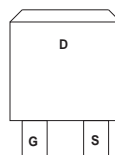
www.aitech1.ru

 映泰股份有限公司 BIOSSTAR GROUP		Change List	
		IG41B-M7S	
Size Custom	Document Number	Rev 6.0	
Date: Wednesday, May 20, 2009	Sheet	4	of 36

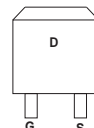
22U/25DE	5*7 mm
100U/16DE	6.3*11 mm
220U/10DE	6.3*11 mm
470U/16DE	8*11 mm
1000U/10DE	8*14 mm
1500U/16DE	10*25 mm
3300U/25DE	10*25 mm



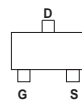
TO-263
B55QS03



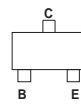
TO-263
2SK3296



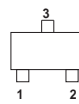
TO-252
2ON03
TM3055TL-S
45N03
FDD6030L



SOT-23
2N7002
SI2303S
SI2301S



SOT-23
2N3904
2N3906
MMBT2907A



SOT-23
BAT54C
BAT54S



T0-92
LM431
78L05-D
LM432




T0-92
2N2222A
2N2097A



T0-92
HSD882-D

www.aitech1.ru



映泰股份有限公司

BIOSSTAR GROUP

Component Size

IG41B-M7S

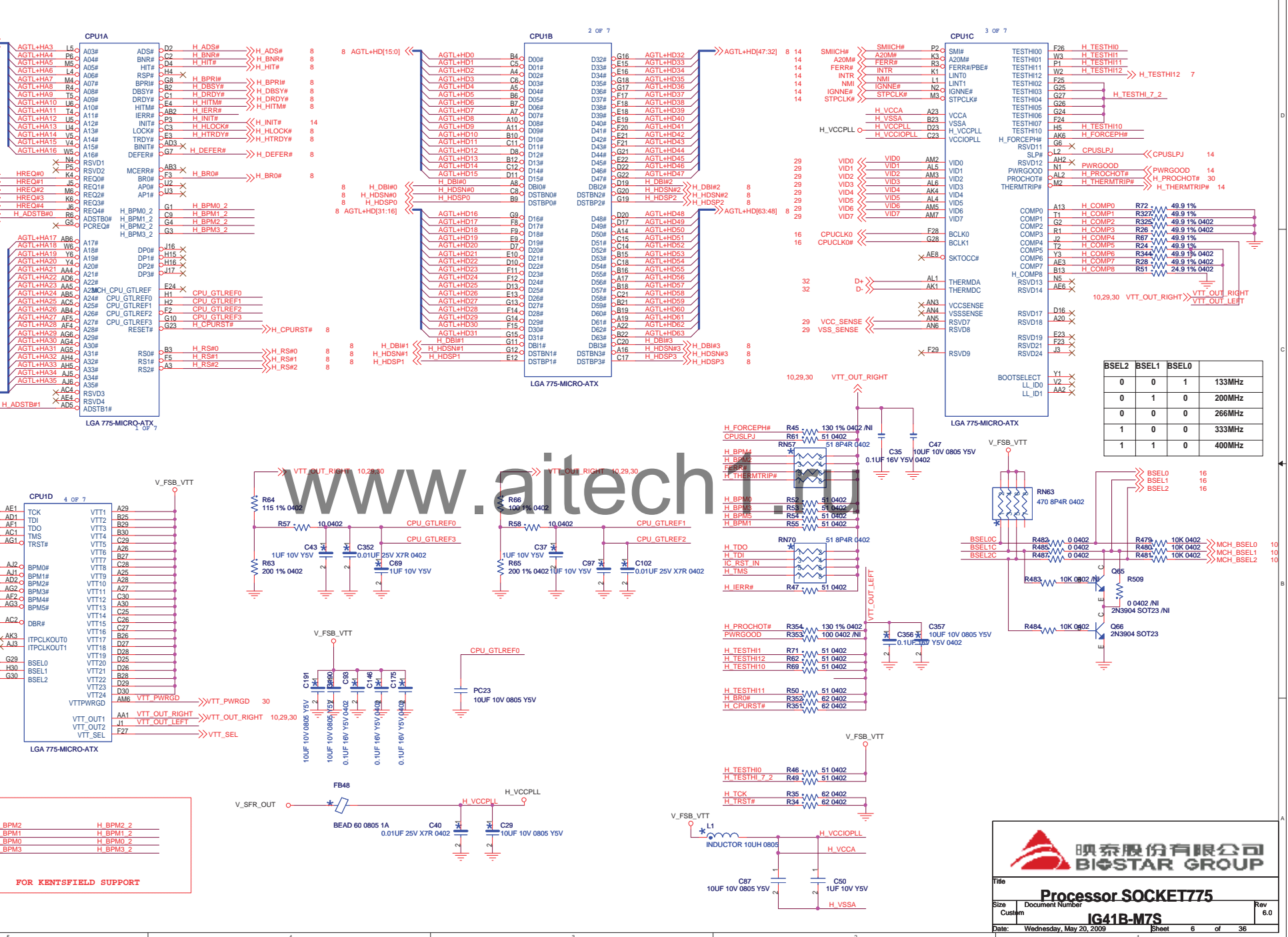
Size: Custom

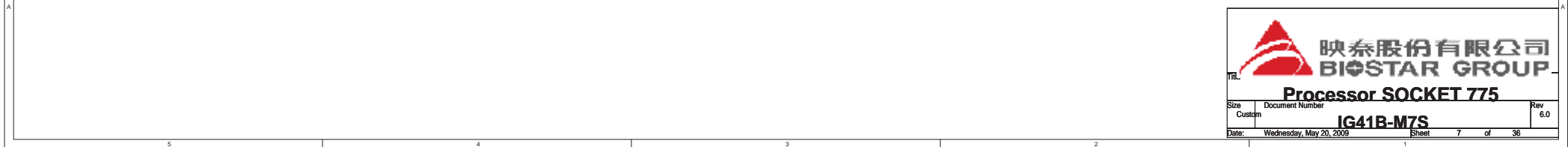
Document Number:

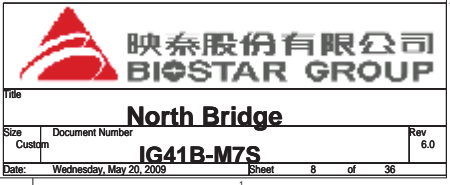
Date: Wednesday, May 20, 2009

Rev: 6.0

Sheet: 5 of 36





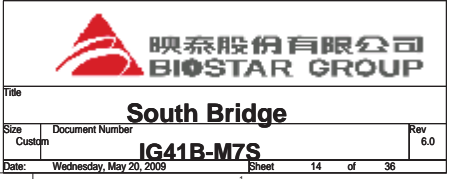


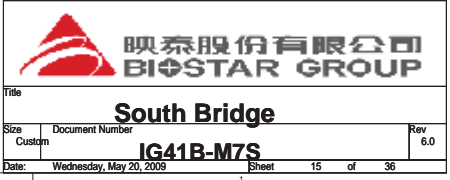


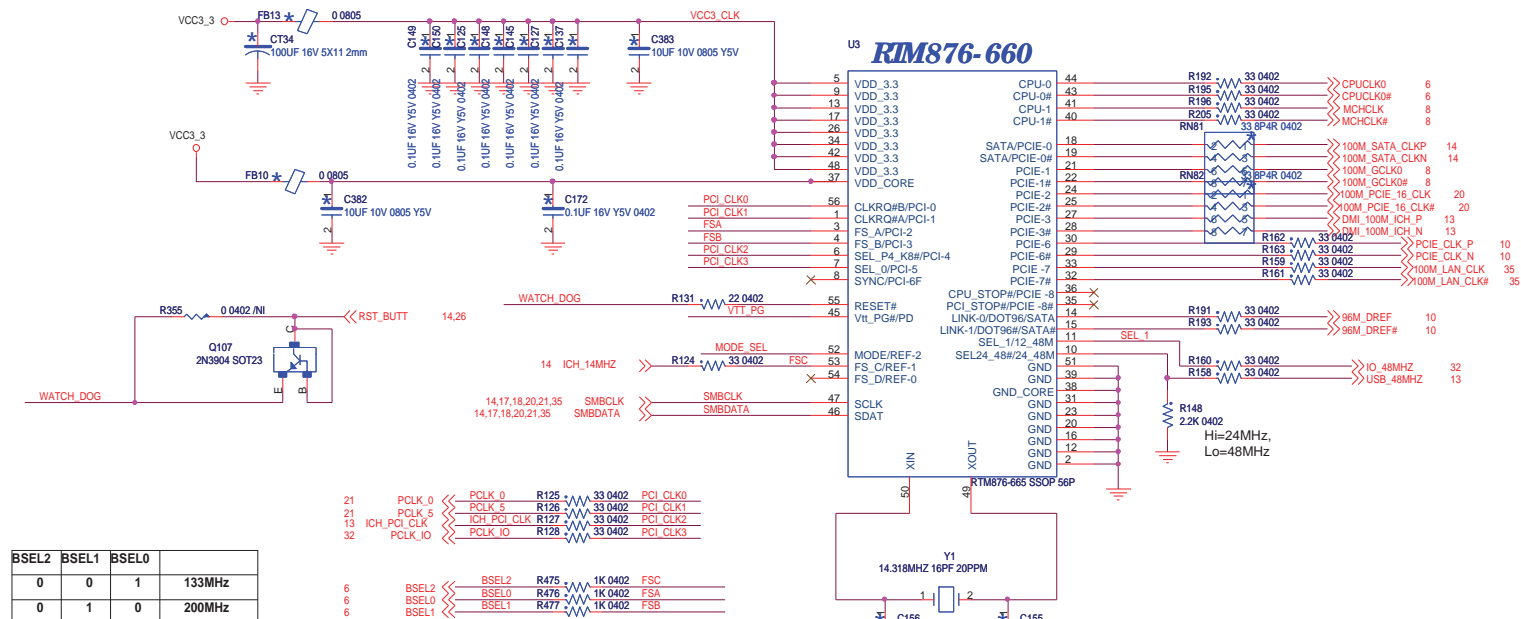


www.aitech1.ru

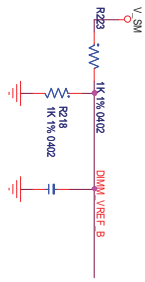
 映泰股份有限公司 BIOSTAR GROUP	
Title NB(5)	
Size Custom	Document Number IG41B-M7S
Date: Wednesday, May 20, 2008	Rev 6.0
Sheet 12 of 36	

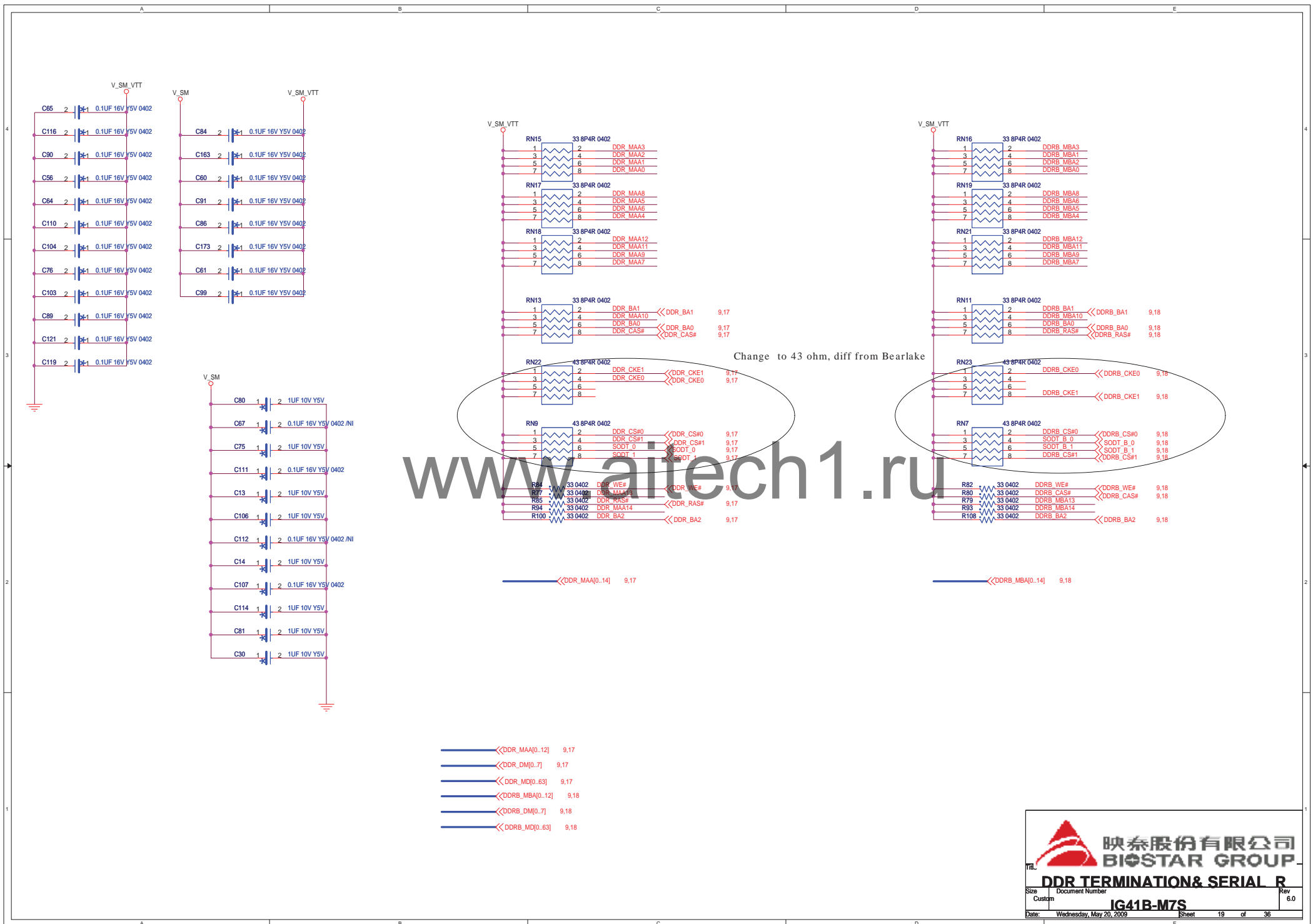


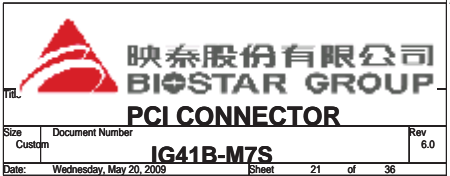


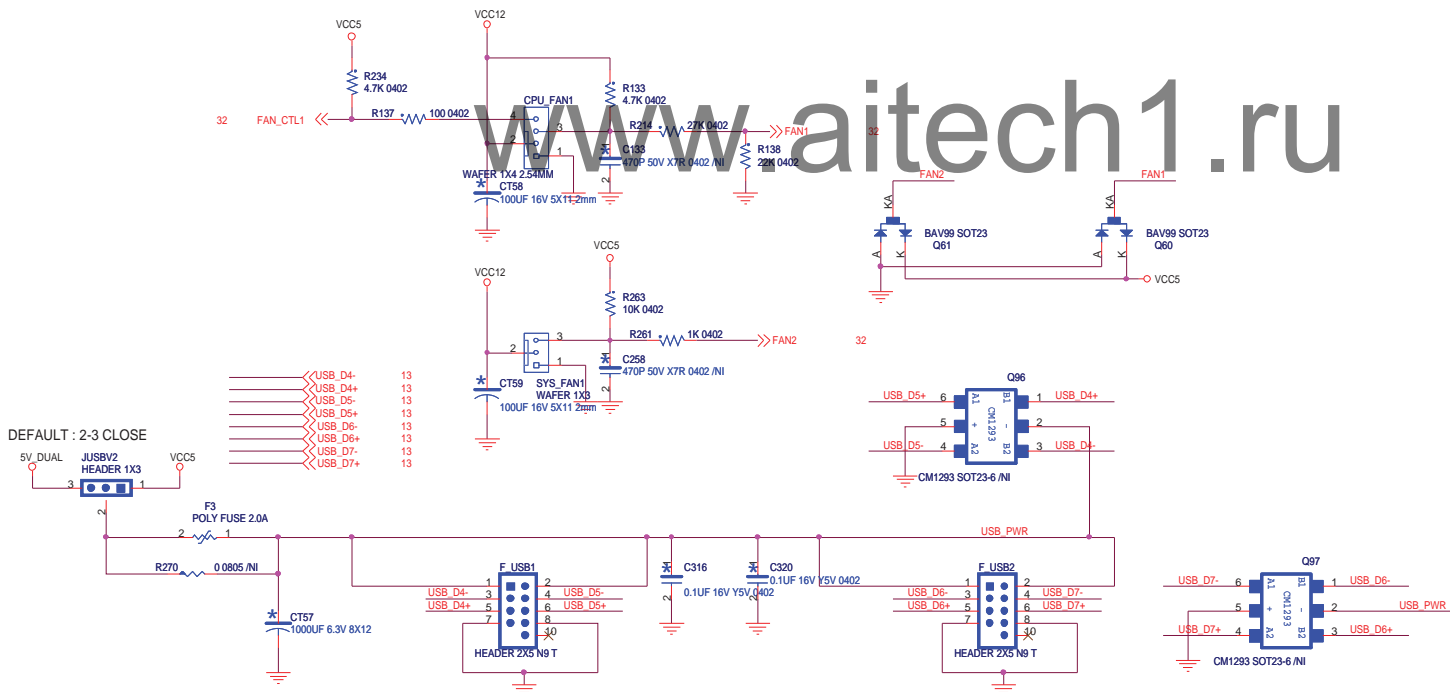
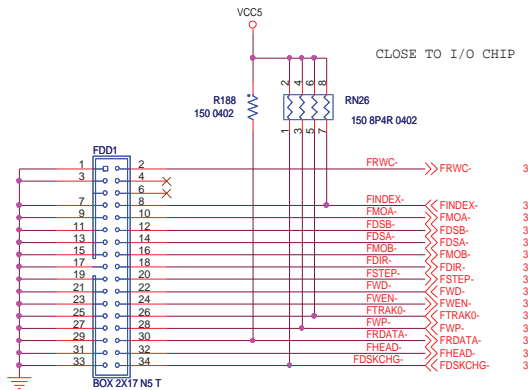


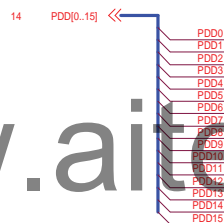
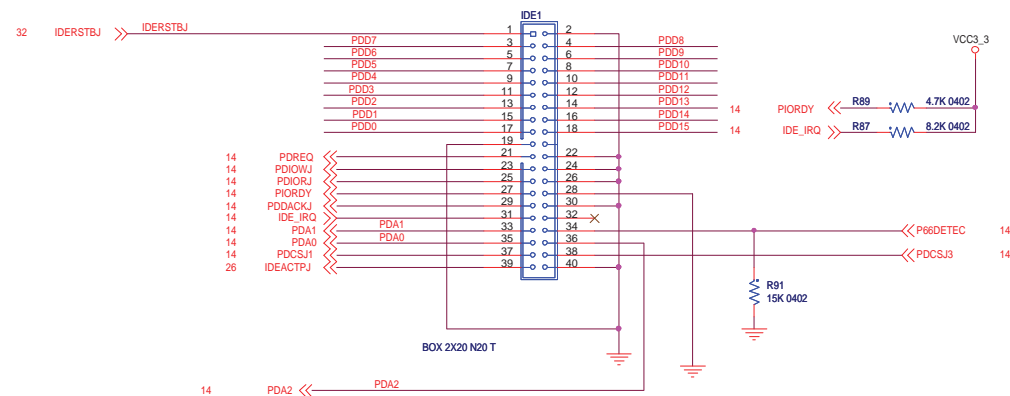












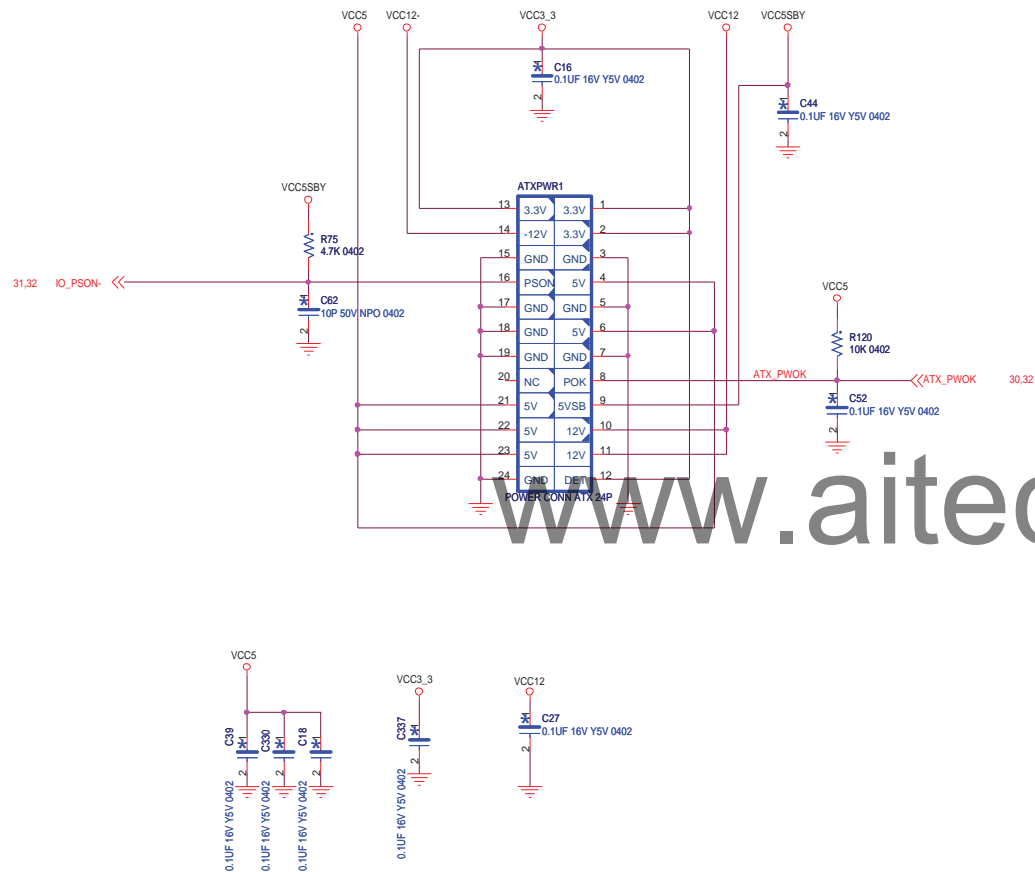
www.aitech1.ru




映泰股份有限公司
BIOSSTAR GROUP

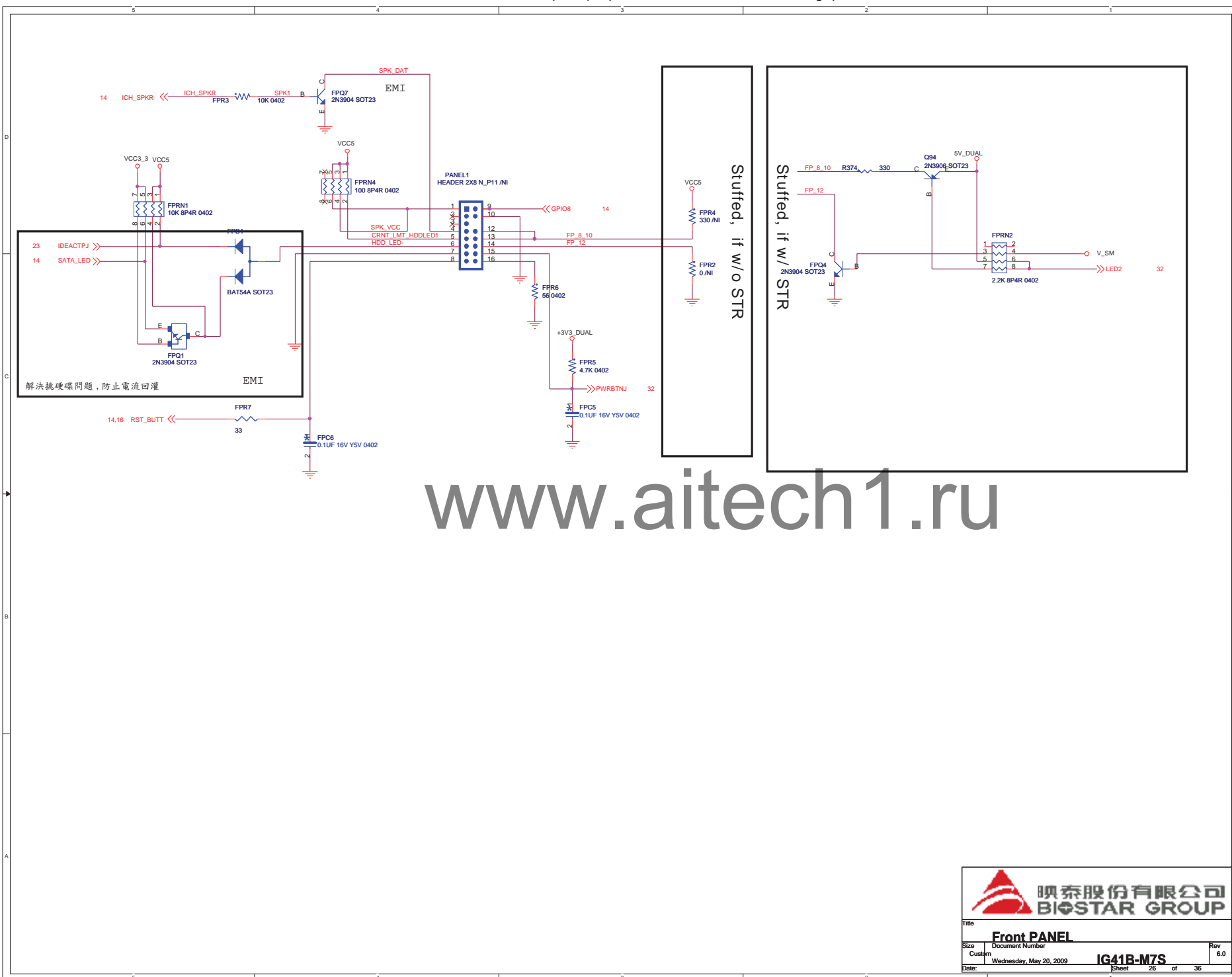
IDE CONNECTOERS

Size	Document Number	Rev
Custom	IG41B-M7S	6.0
Date: Wednesday, May 20, 2009		Sheet 23 of 36

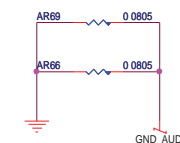


 映泰股份有限公司 BIOSSTAR GROUP	
Title	
ATX POWER & Bypass.CAP	
Size	Document Number
Custom	IG41B-M7S
Date:	Wednesday, May 20, 2009
Sheet	24 of 36
Rev	6.0

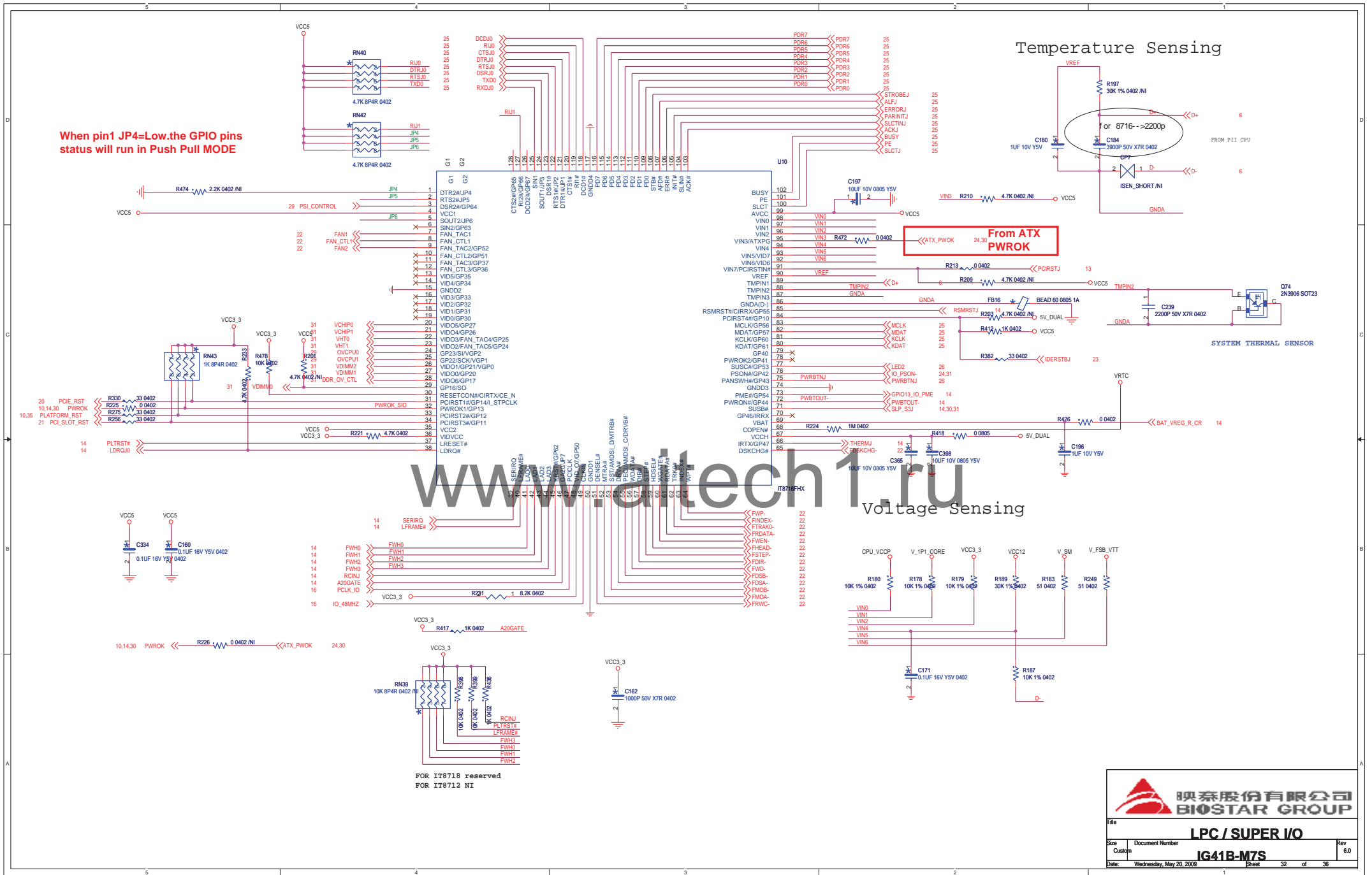




www.aitech1.ru

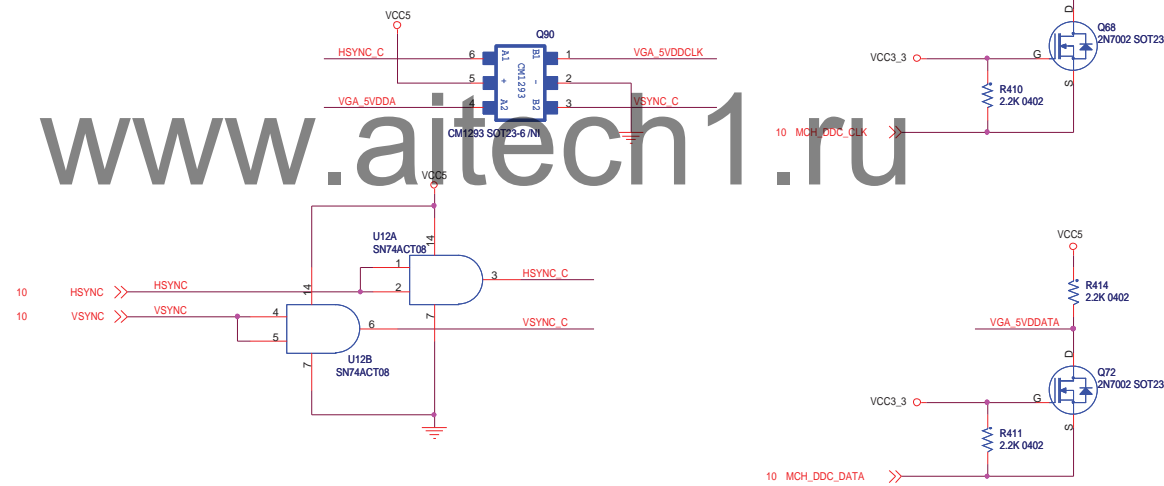
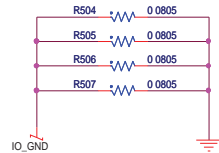
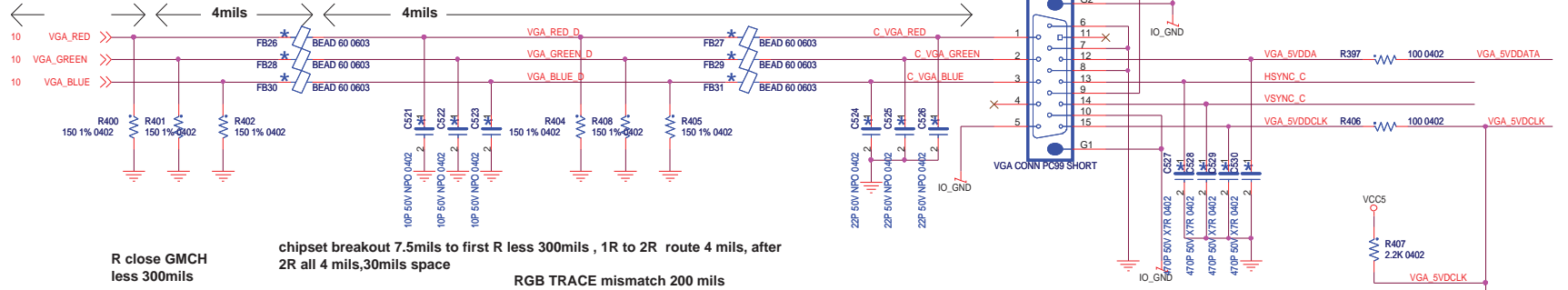







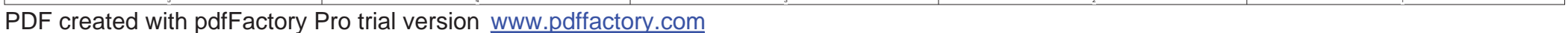
close to GMCH

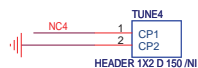
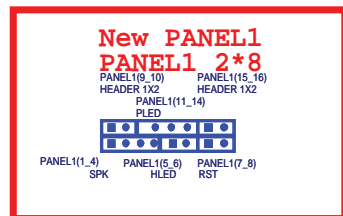
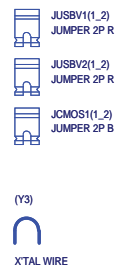
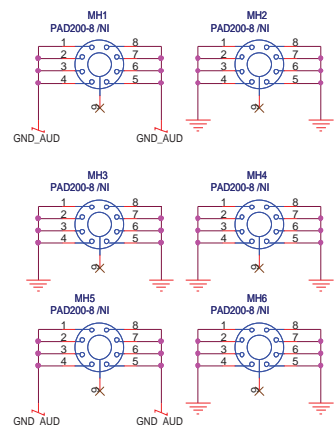
W=7.5mils,S=6mils



 映泰股份有限公司 BIOSAR GROUP		Title	
		VGA CRT CONNECTOR	
Size	Document Number	Rev	
Custom		6.0	
Date:	Wednesday, May 20, 2009	Sheet	33 of 36







Impedance Testing Coupon

www.aitech1.ru

 映泰股份有限公司 BIOSTAR GROUP		
Title BOM & MH & Coupon		
Size Custom	Document Number IG41B-M7S	Rev 6.0
Date: Wednesday, May 20, 2009	Sheet 36	of 36