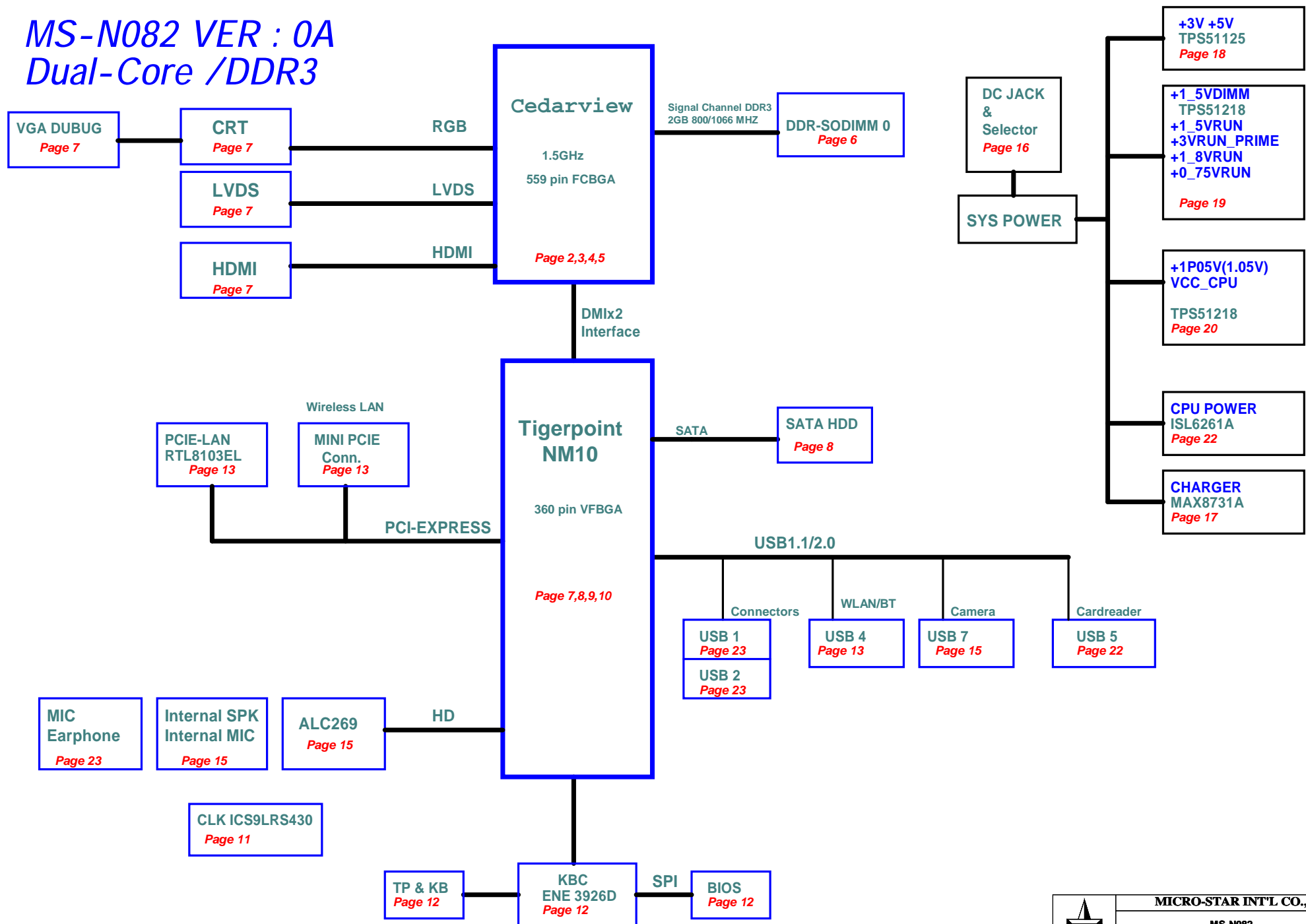
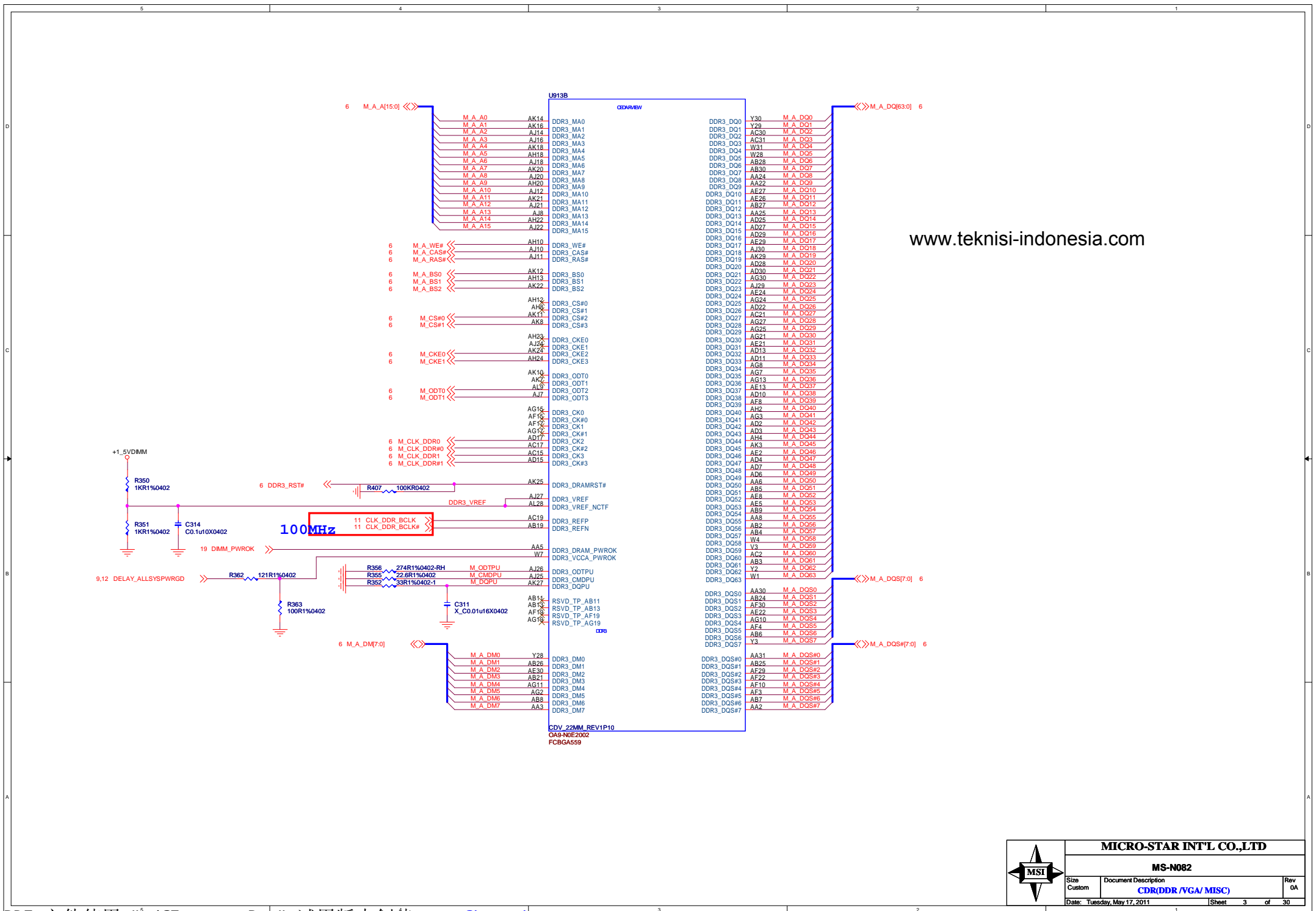
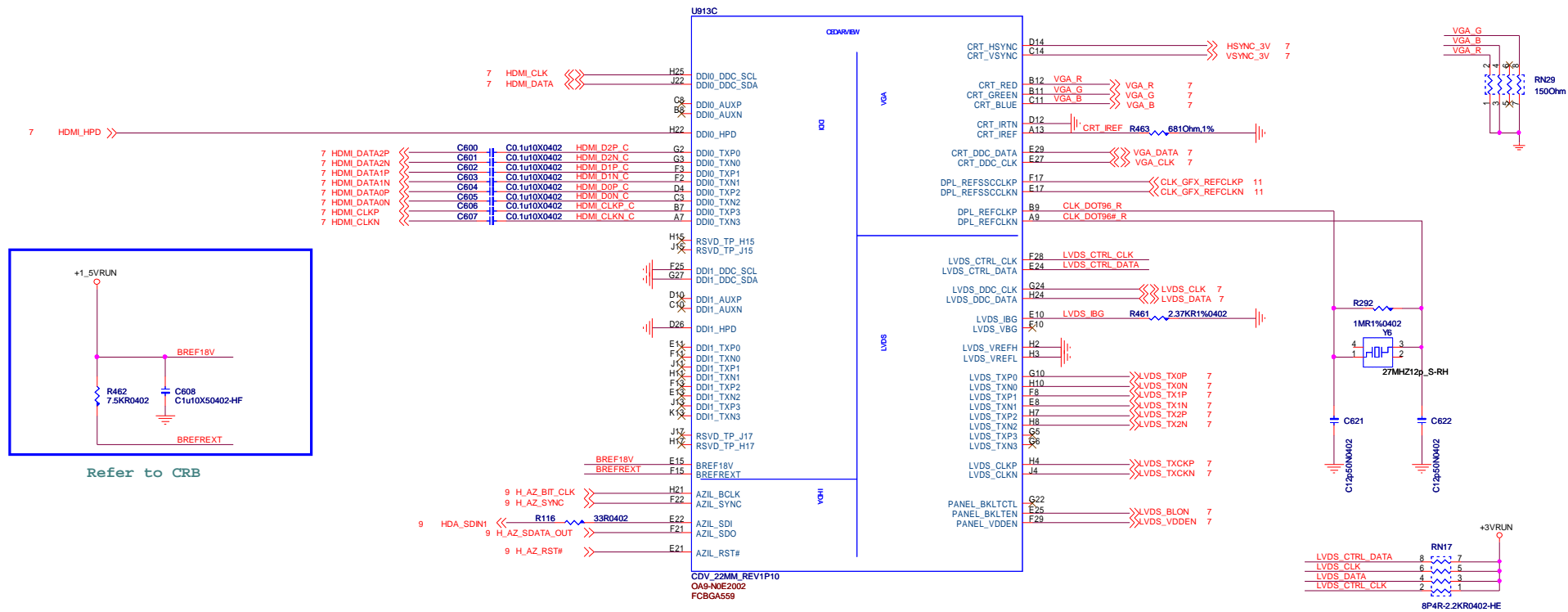
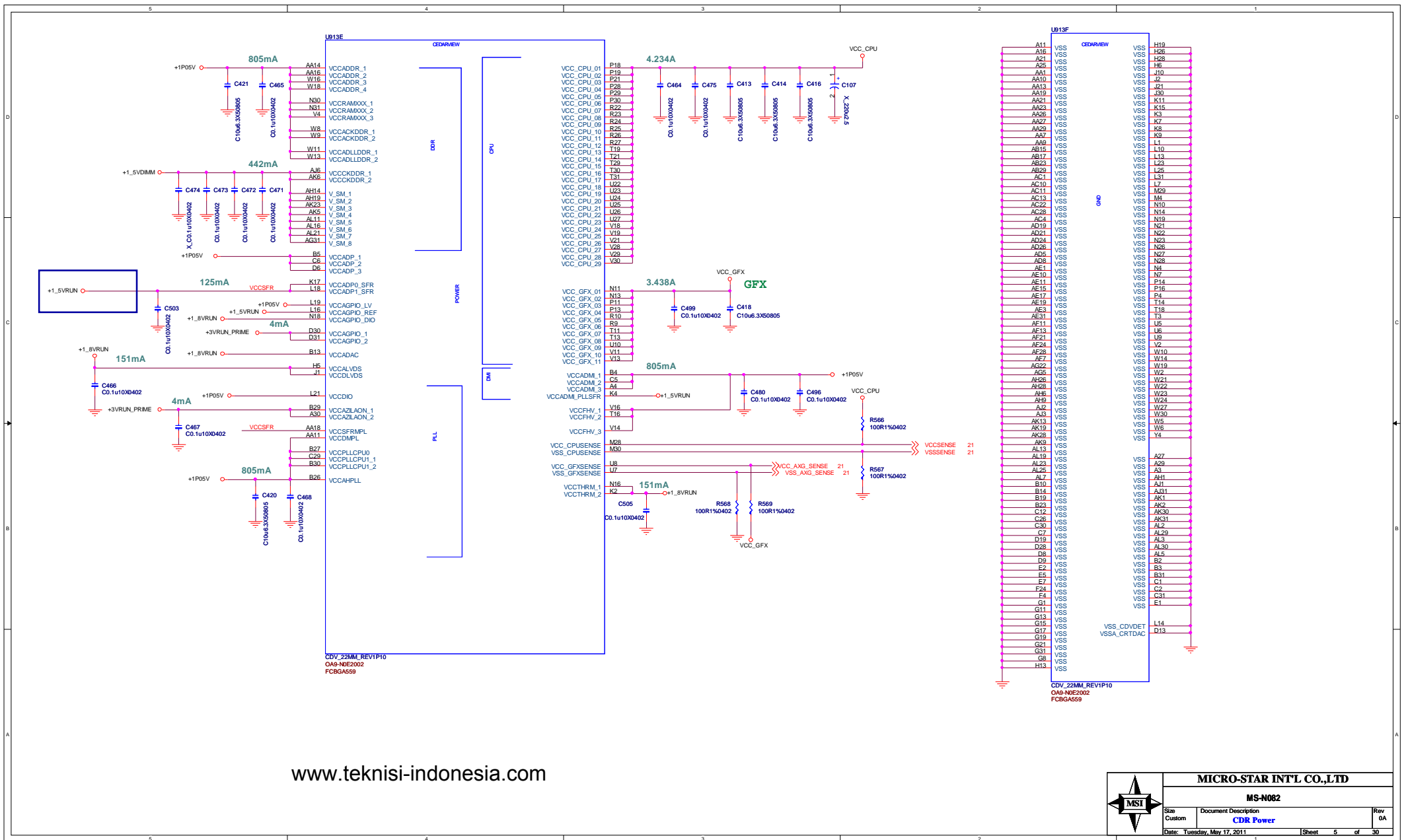


MS-N082 VER : 0A Dual-Core /DDR3



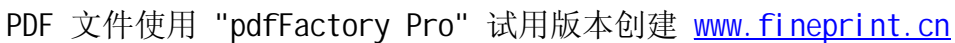




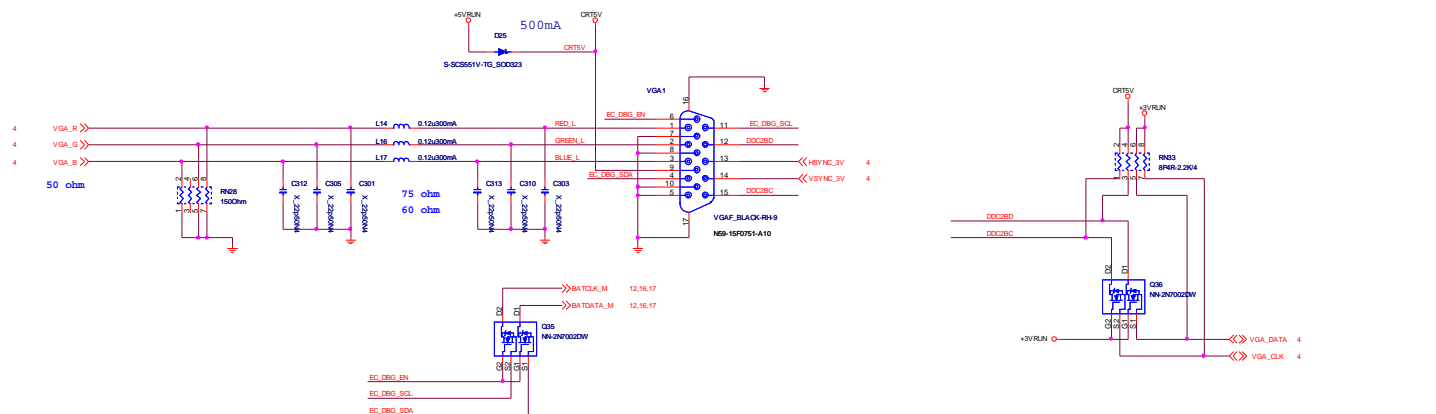


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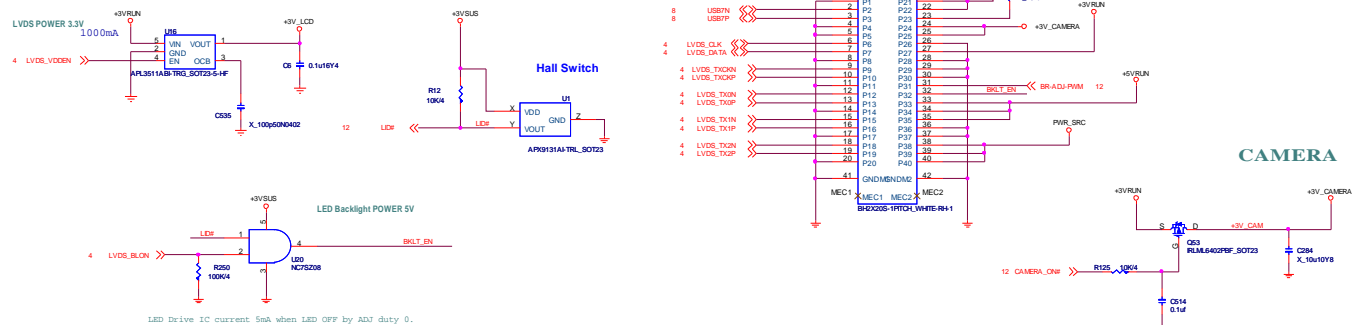
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VGA CONN.

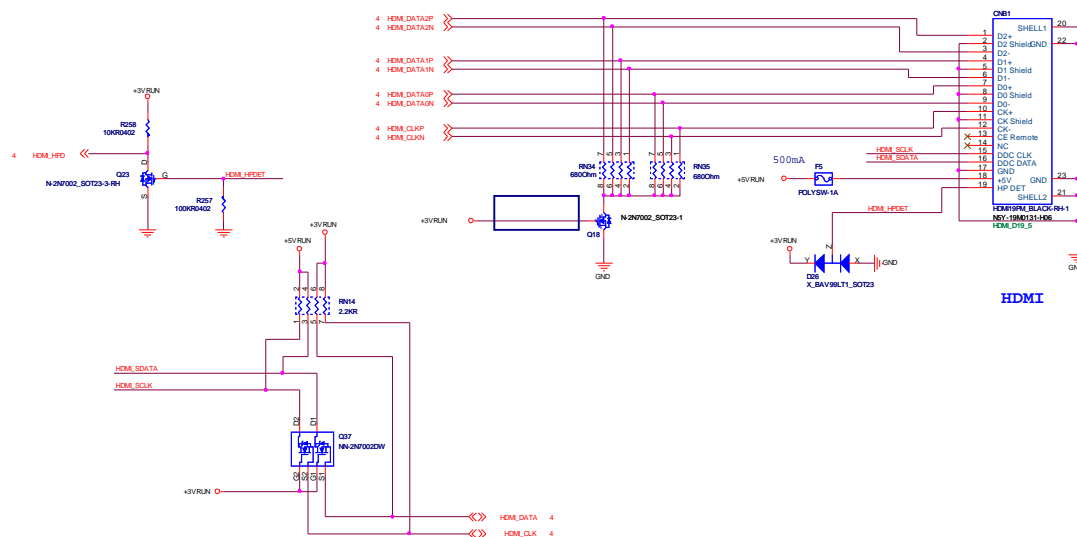


LVDS CONN.



HDMI CONN.

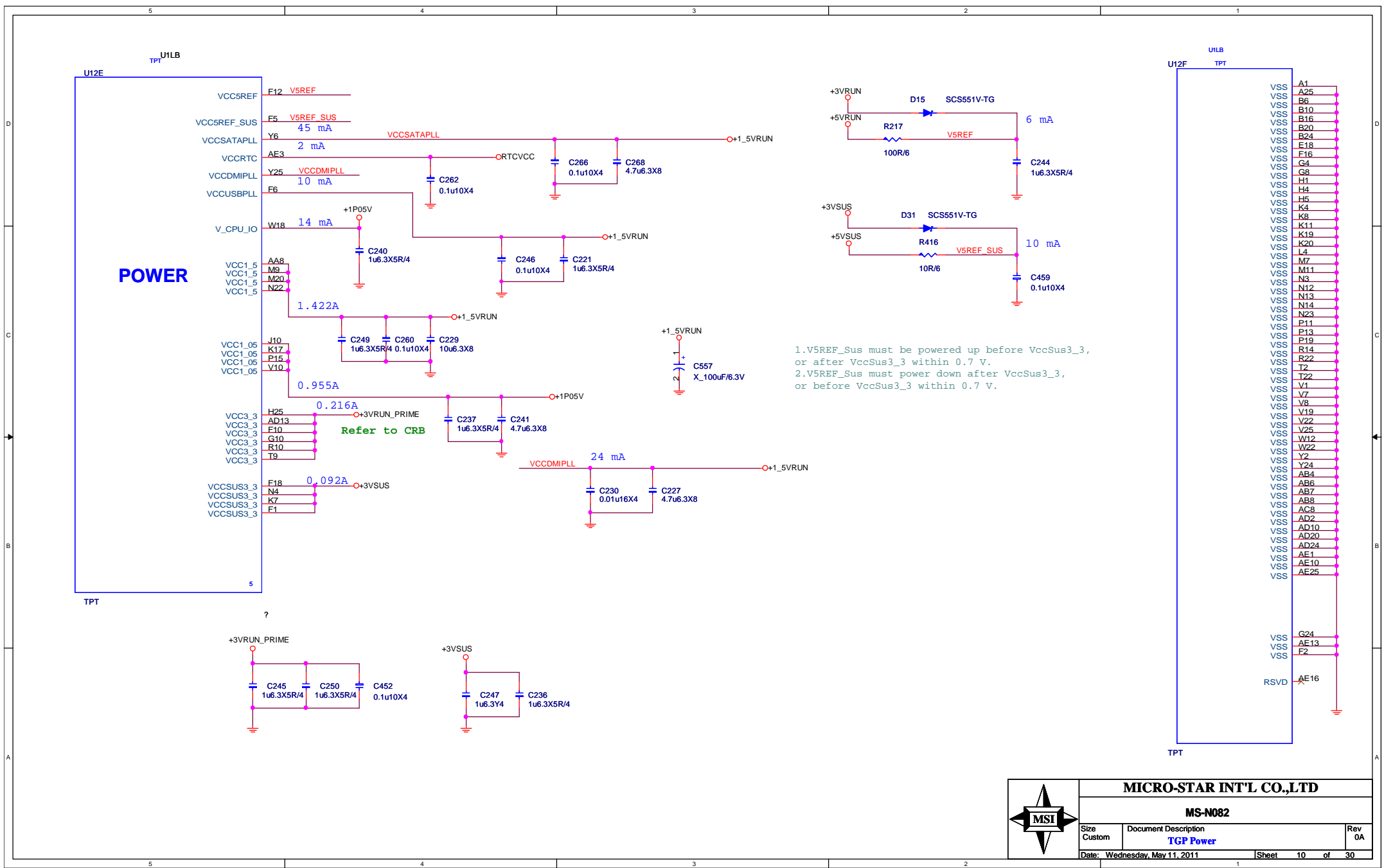
HDMI Connector

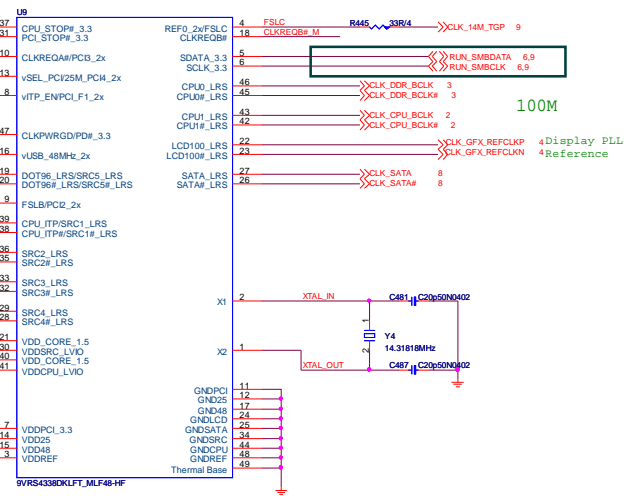


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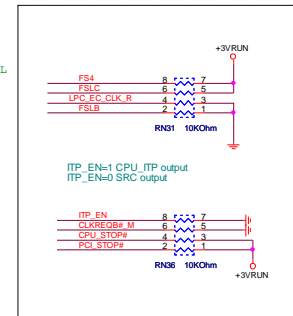
MS-N082


Size Custom	Document Description CRT, LVDS CONN	Rev 01
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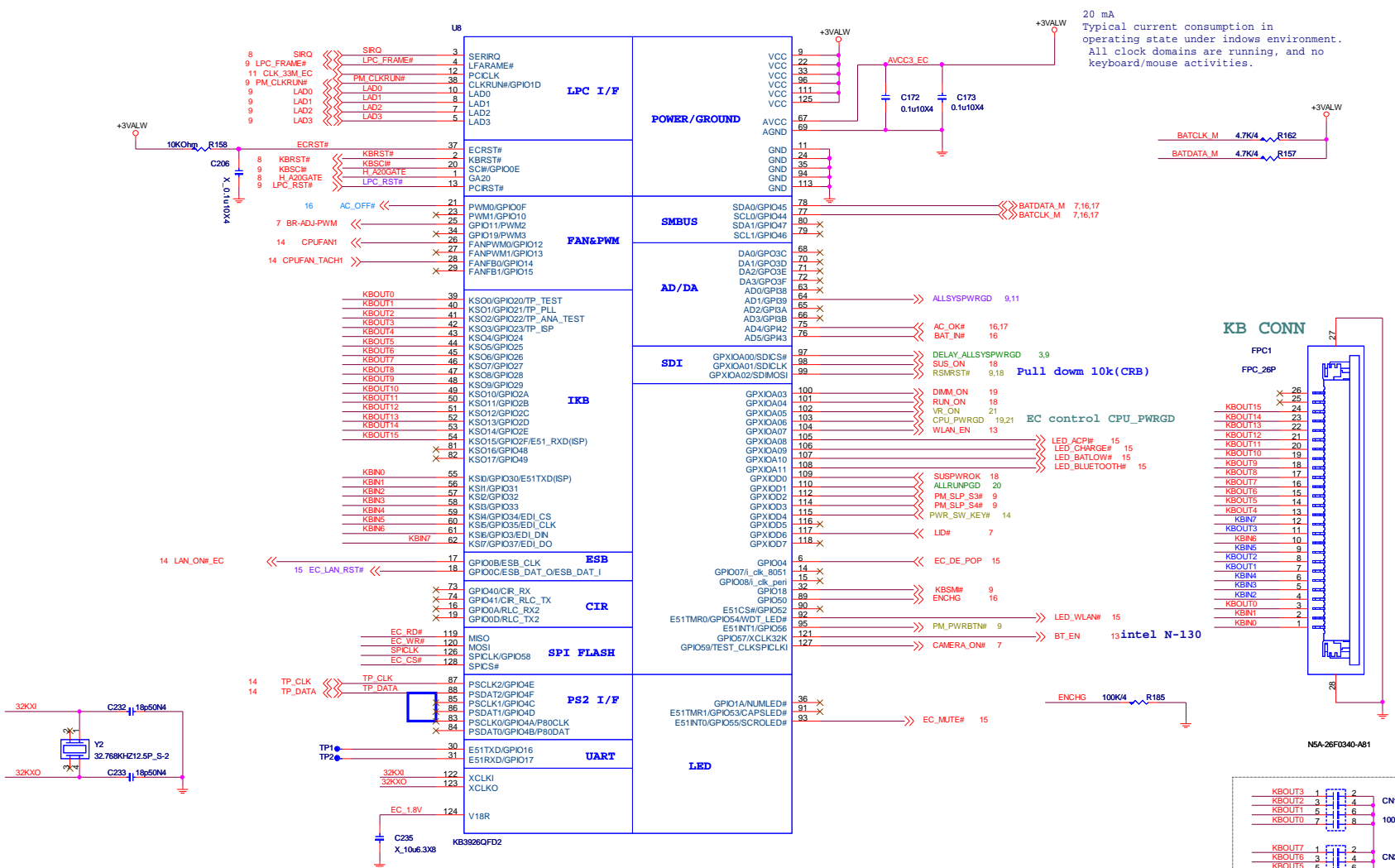




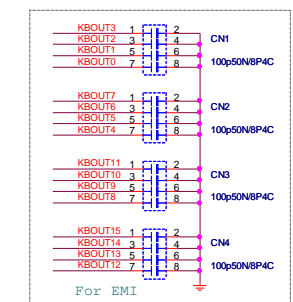
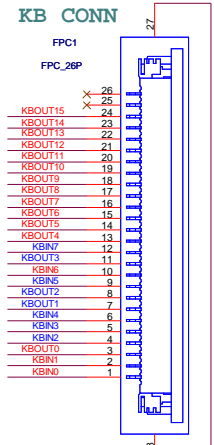
Center Spread	SS1	SS0	FSLC	FSLB	BCLK
L	L	L	H	L	100MHZ
L	L	L	L	L	133MHZ
L	L	L	L	H	166MHZ
L	L	L	H	H	200MHZ



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20 mA
Typical current consumption in
operating state under indows environment.
All clock domains are running, and no
keyboard/mouse activities.



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Mini PCIE

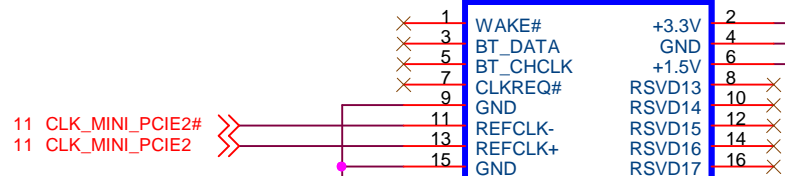
Wireless LAN

+3VRUN, 1.5A

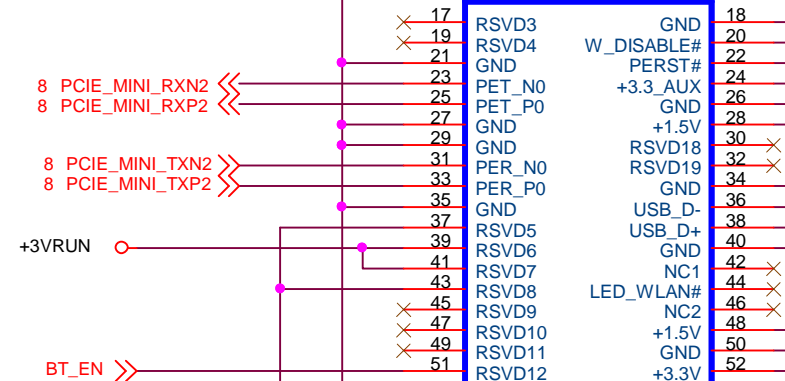
+1_5VRUN, 0.5A

H=4.0mm

PESLOT2

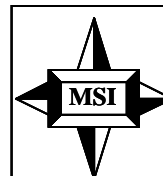


KEY



N11-0520160-A81

SLOT-MINIPCI52P_IVORY-RH



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Size
A

Document Description

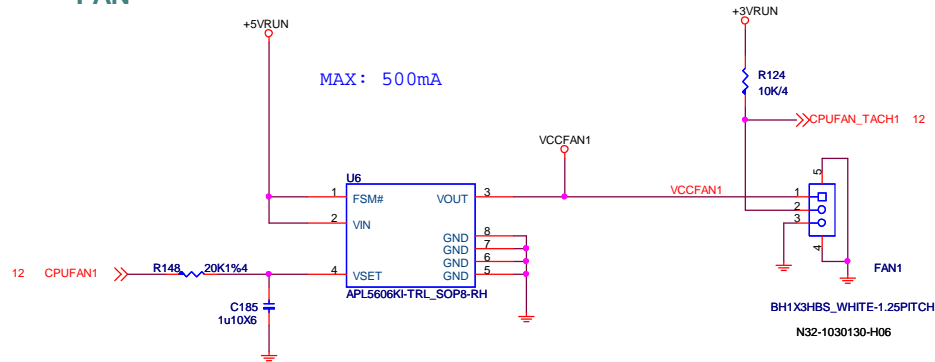
Mini PCIE slots

Rev
0A

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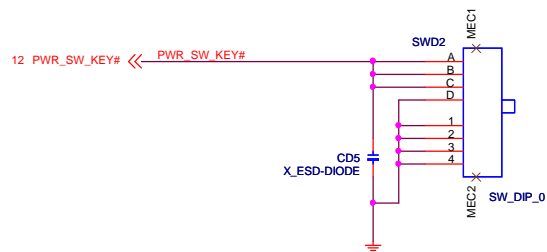
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FAN

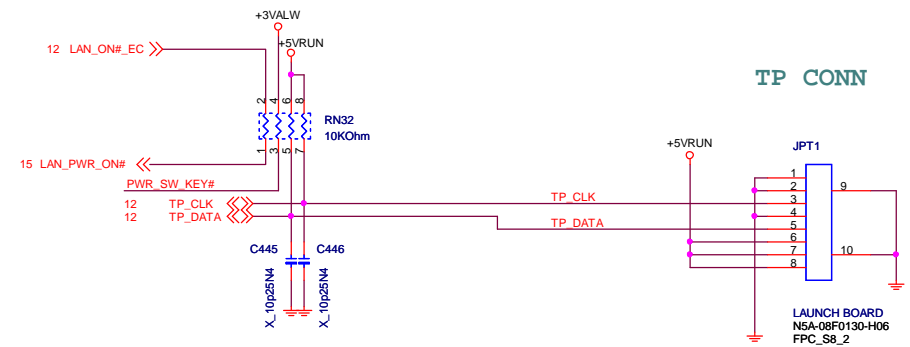


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POWER SWITCH



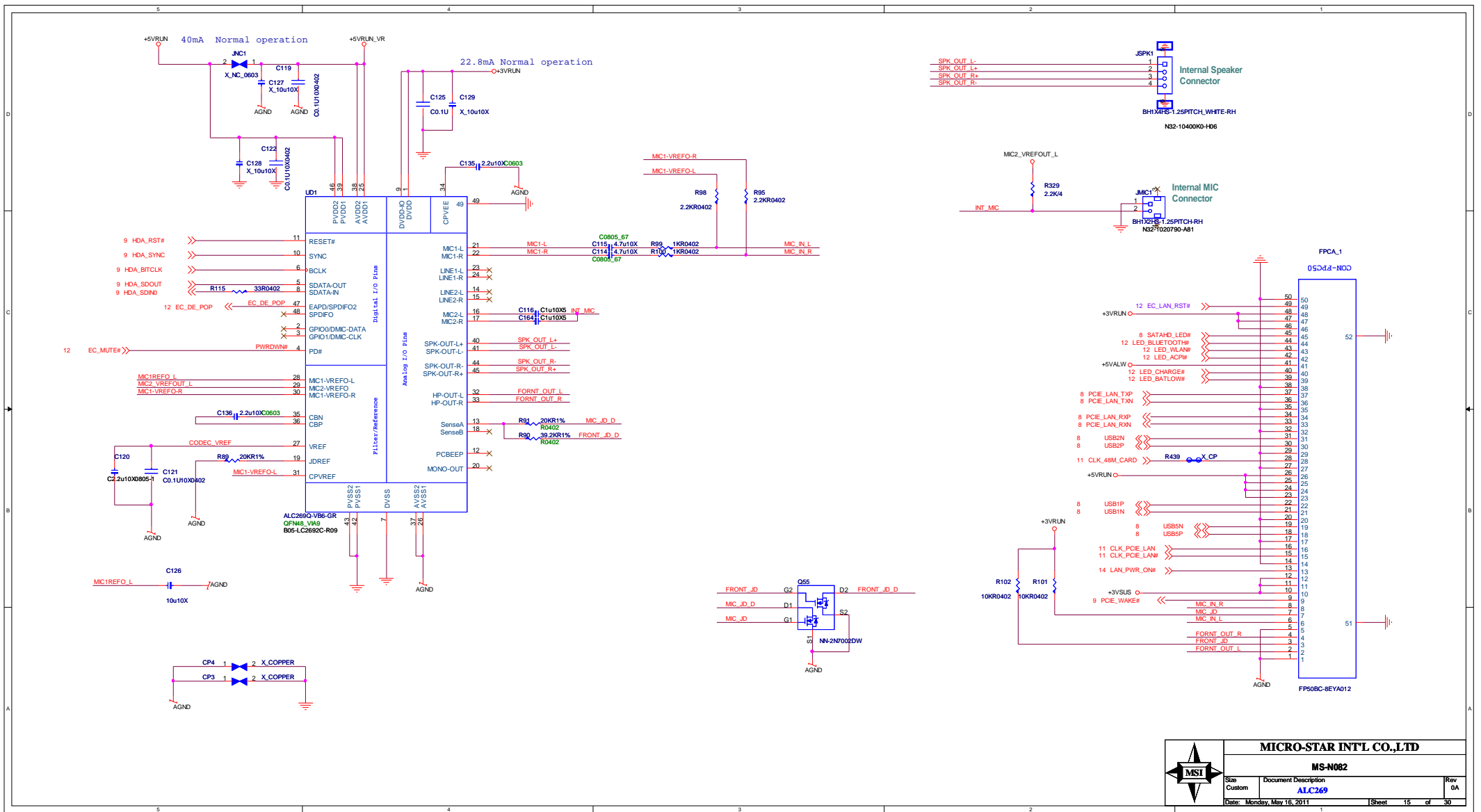
TP CONN

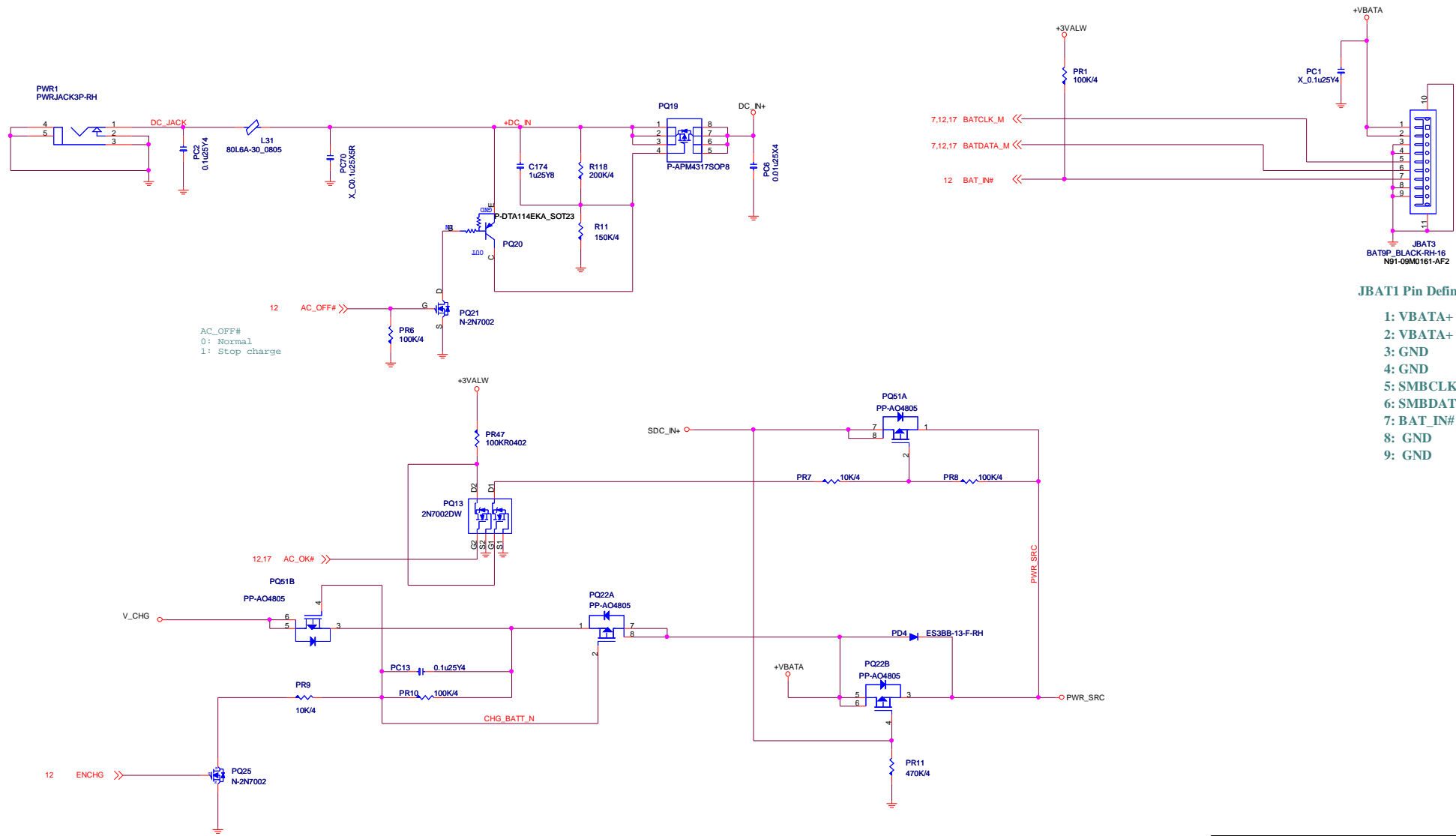


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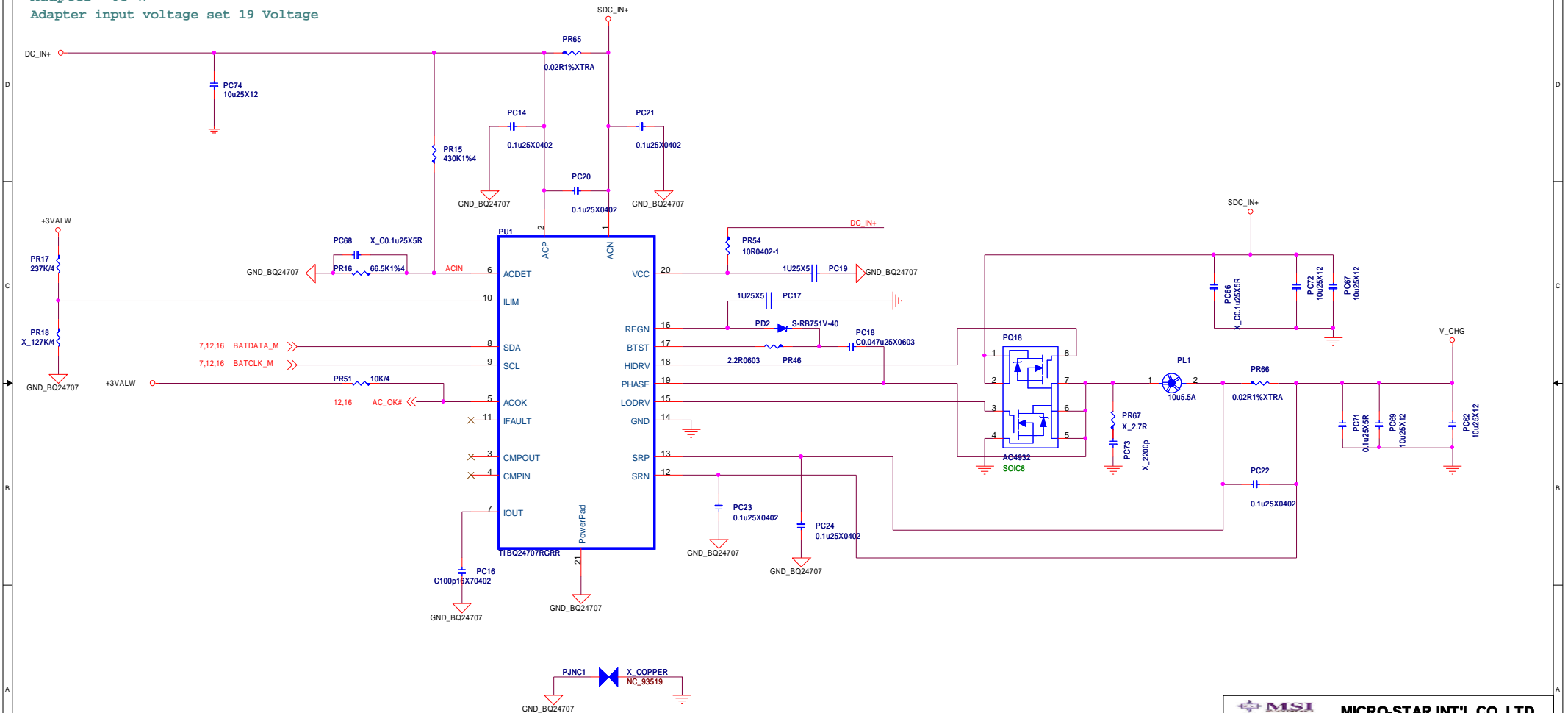
Size	Document Description	Rev
Custom	BT/CAMERA/USB/FAN/TP	0A
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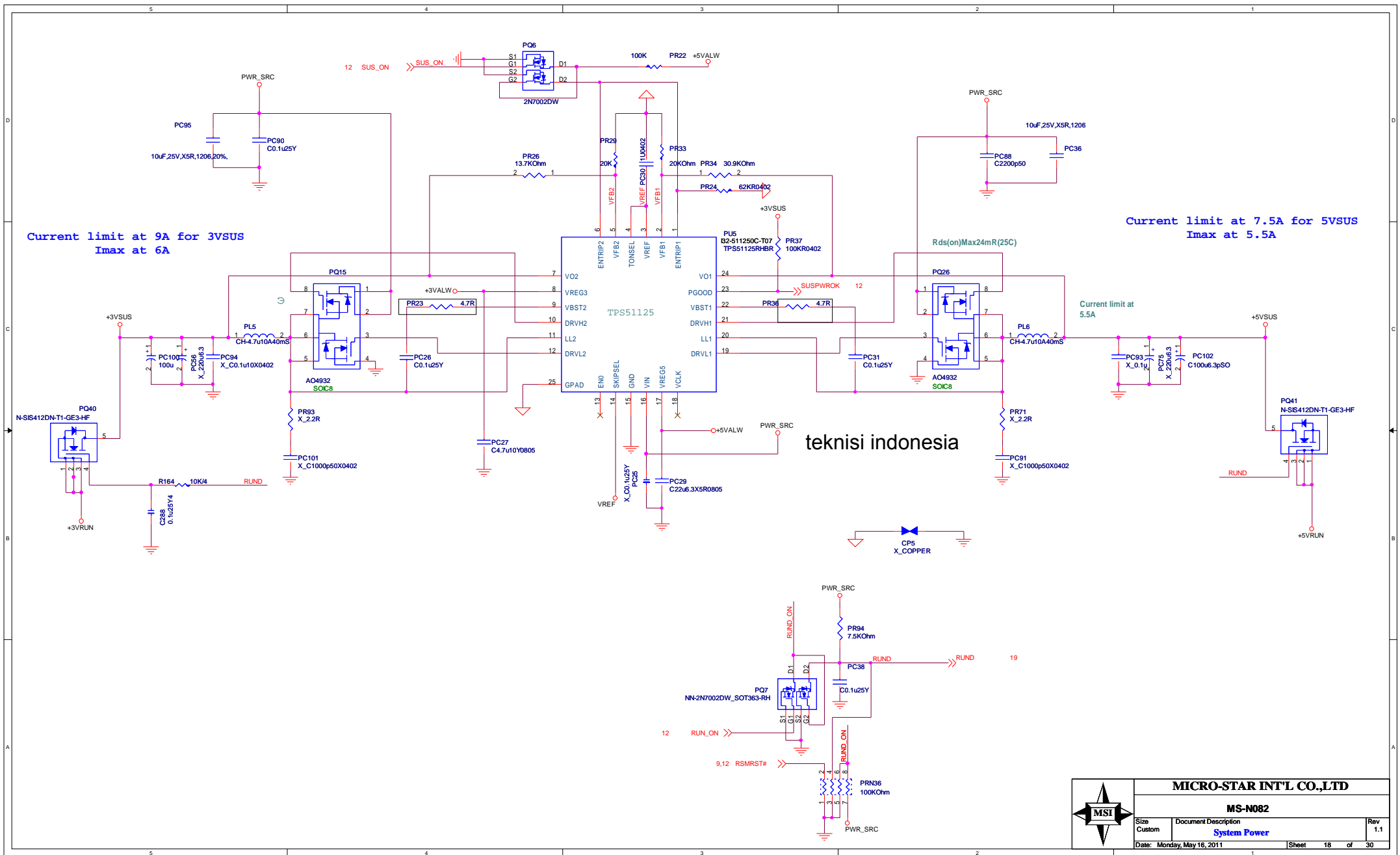


MICRO-STAR INT'L CO.,LTD			
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Size	Document Description		Rev
Custom	Battery select		0A
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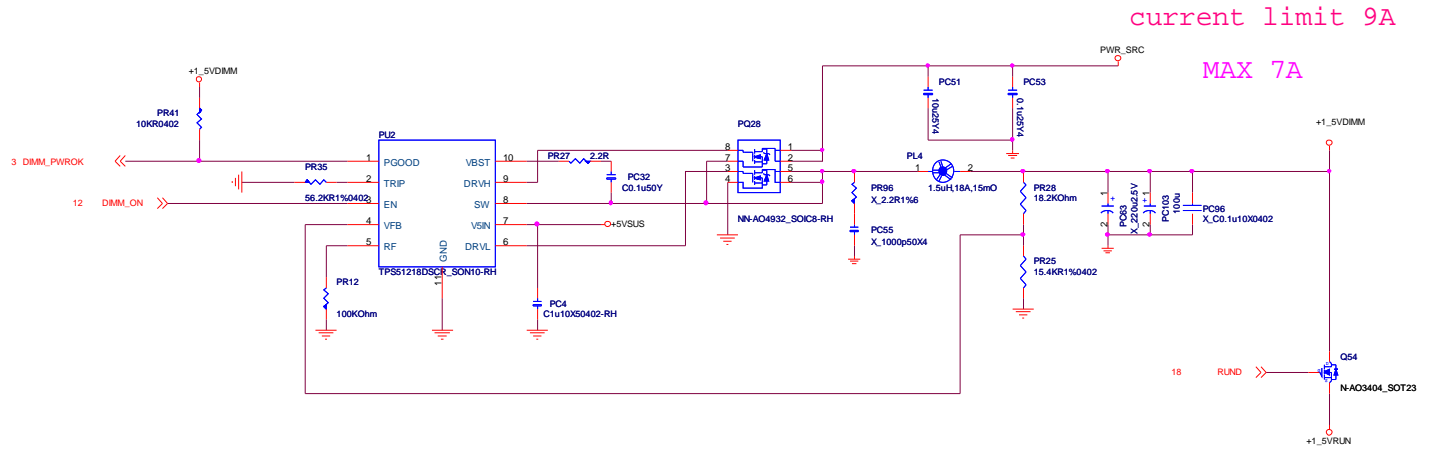
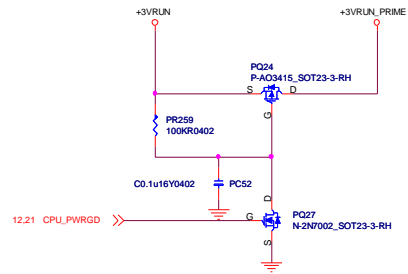
Adapter= 65 W
Adapter input voltage set 19 Voltage



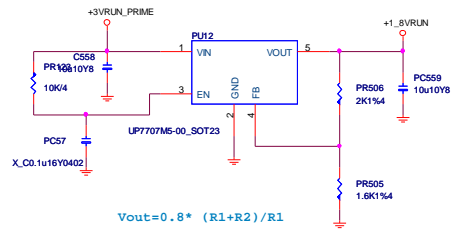
MSI MICRO-STAR INT'L CO.,LTD.	
File	
Charger	
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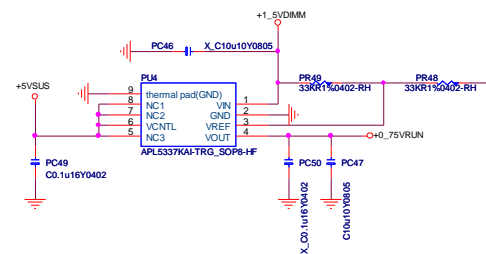
+3VRUN_PRIME



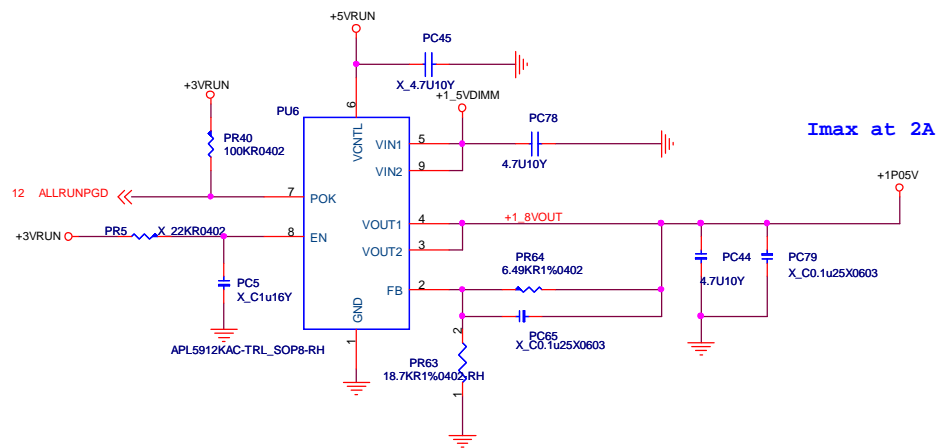
+1_8VRUN



+0.75VRUN



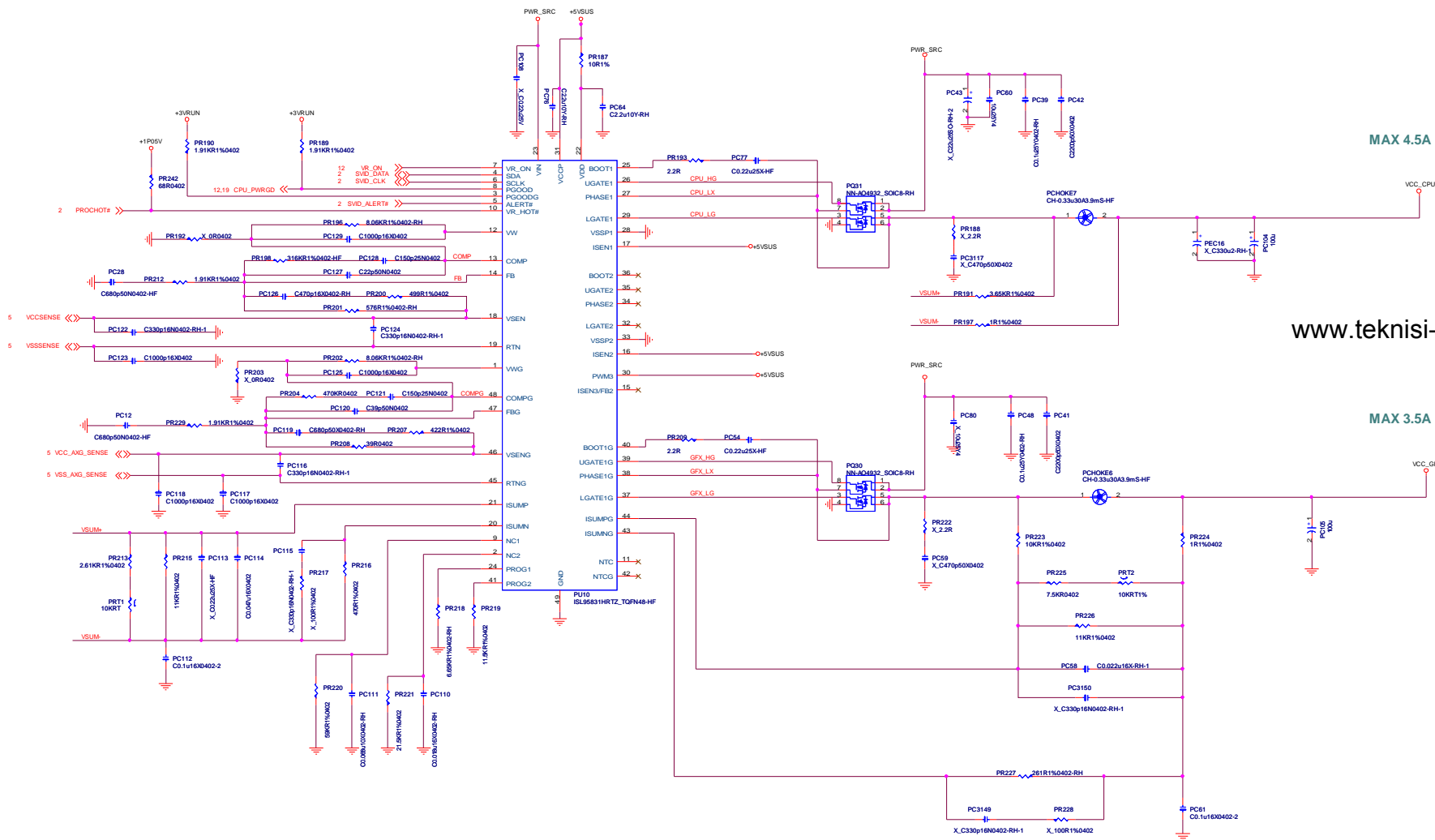
MICRO-STAR INT'L CO.,LTD			
MS-N082			
Site	Document Description	Rev	
Custom	1.5V, 0.89V Power	0A	
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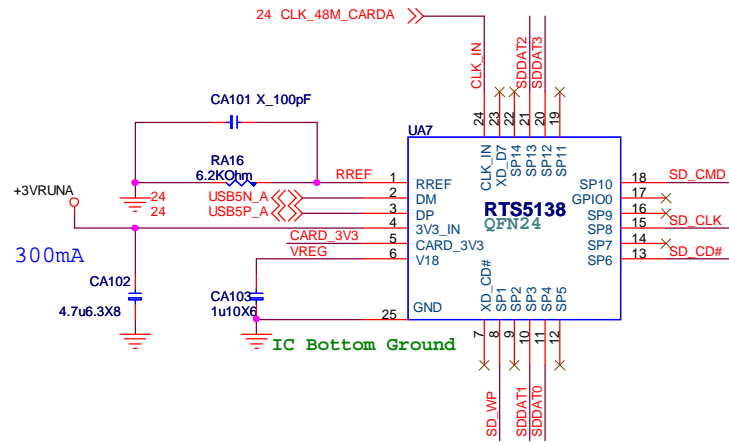


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Title			M_CPU&NB_CORE
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PCBA1

PCB-N082A



CARD_3V3

MAX: 250mA

RA19
X_100K/4

CA100
pX01u1.0

PA1
X_E2M-4112511

SDDAT3
SD_CMD

SD_CLK

SDDAT0
SDDAT1
SDDAT2

SD_CD#

SD_WP

CRA1

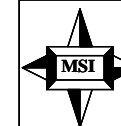
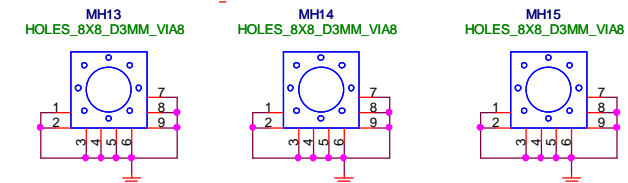
CD/DAT3
CMD
VSS
VDD
CLK
VSS
DAT0
DAT1
DAT2

CD SW
CD/WP COM
WP

MEC1
MEC2

MEC1
MEC2

SDCARD9P_BLACK-RH-2
N5J-09F0110-N40



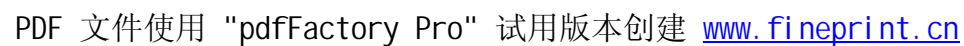
MS-N082A

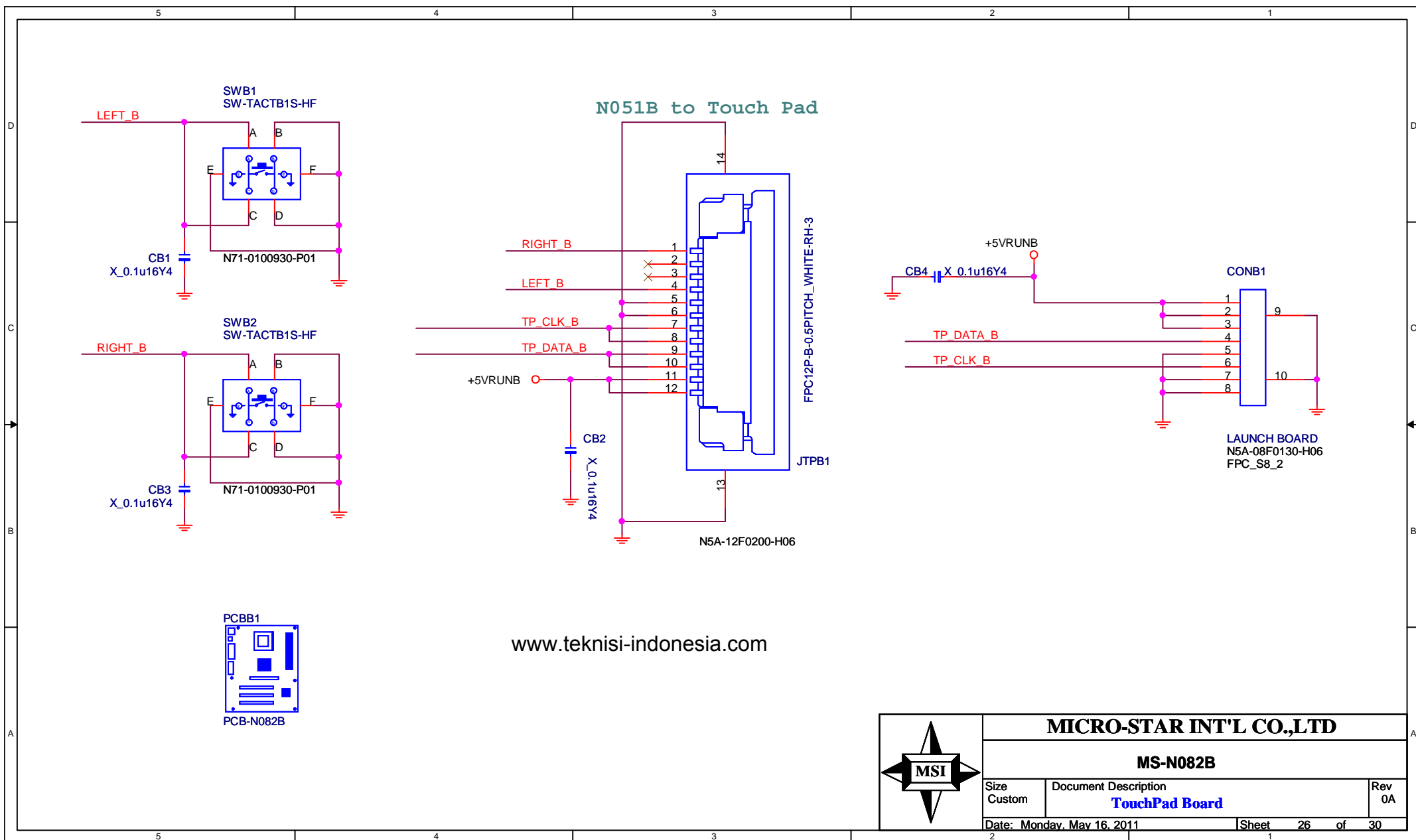
Size Custom	Document Description CardReader RTS5138	Rev 0A
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LAN MAGNETICS

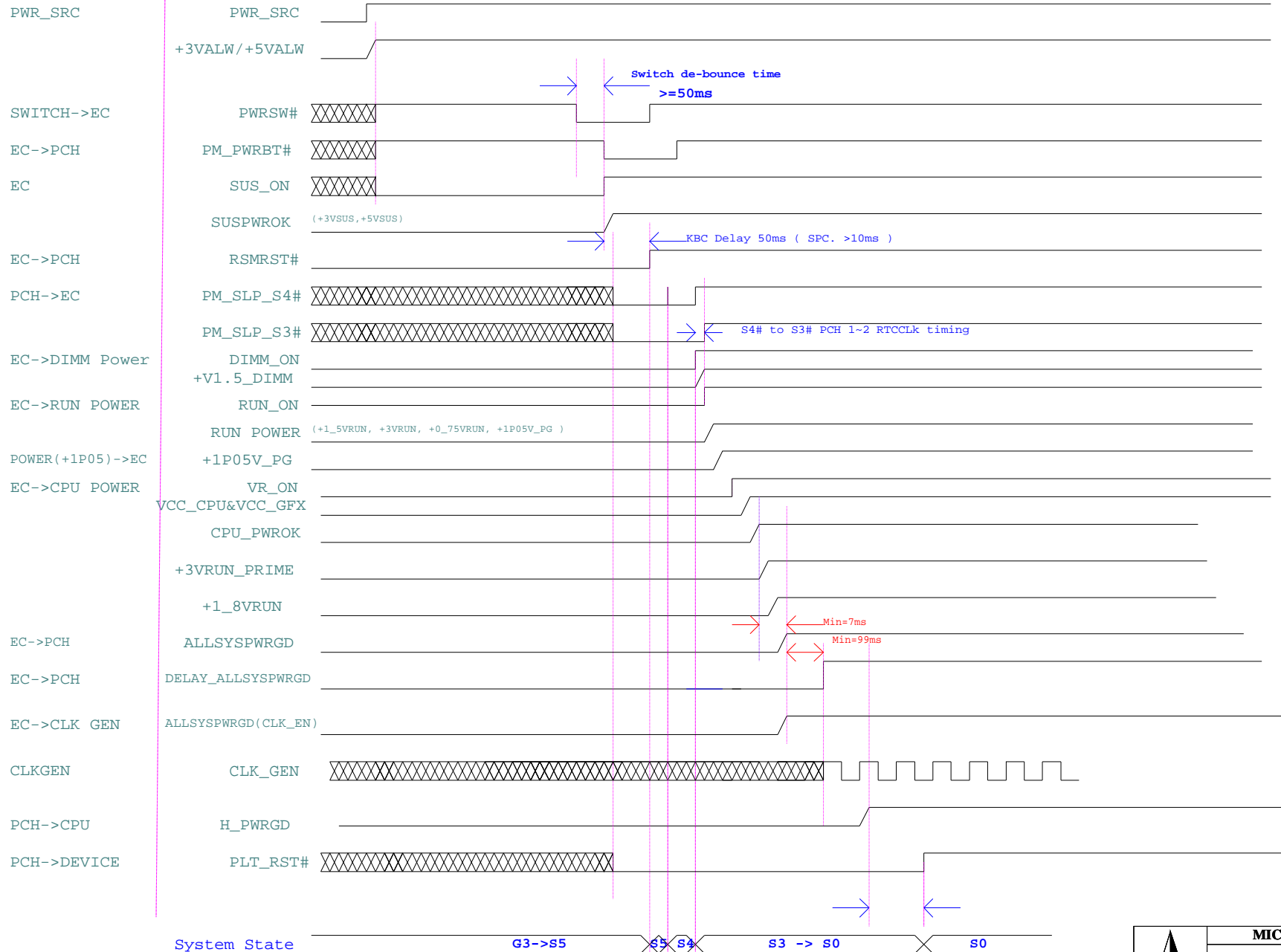


close to UA2





Cedar Trail Power on Sequence DC mode

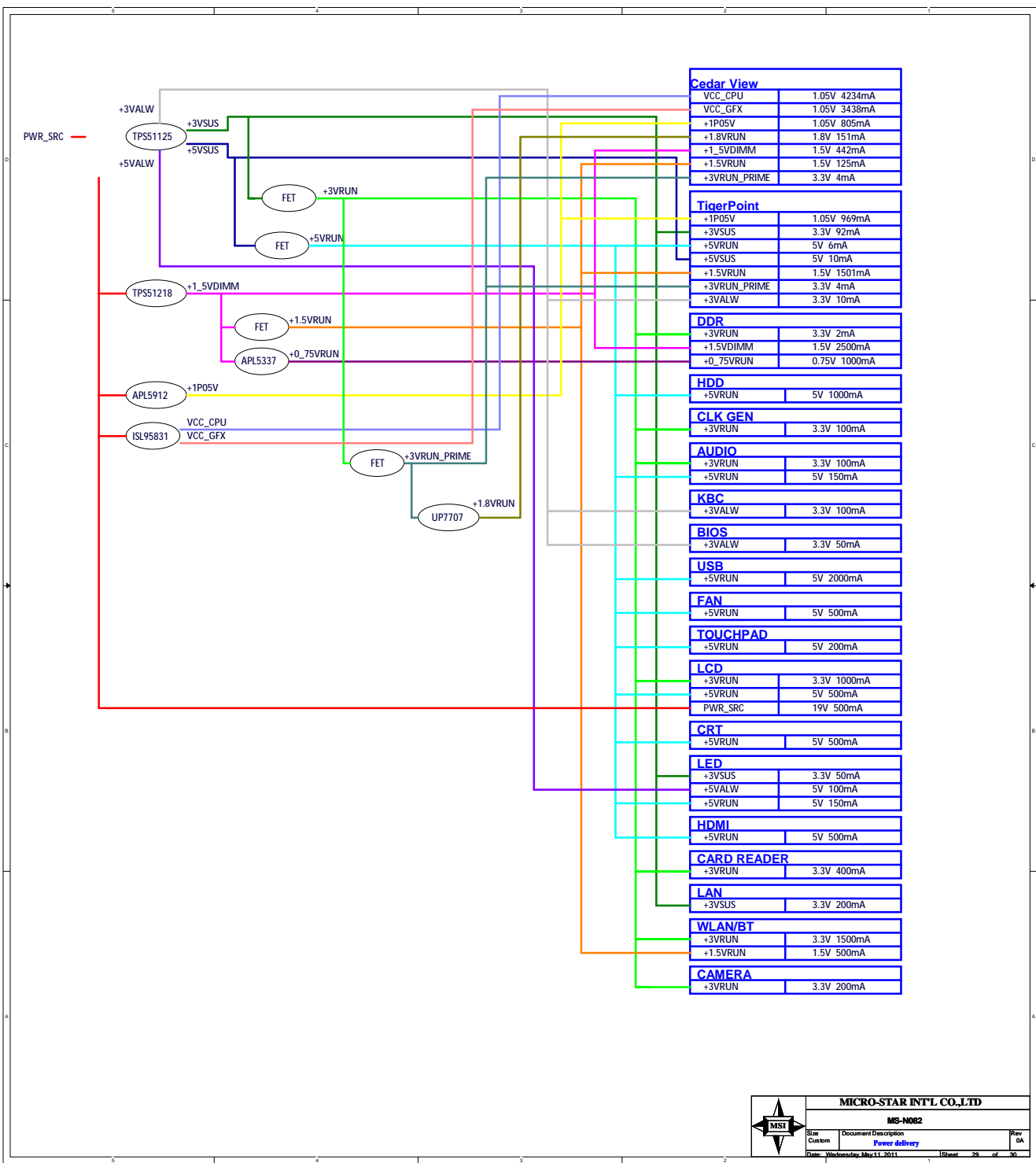


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	5	4	3	2	1
D	<div>5/3: 1. Swap PCIE Lan and Wlan 2. Lan remove RA63 3. Audio add JNC1 4. Add EMI solution 5. Audio codec change from VB5 to VB6 6. Lan change ISOLATE power from VDD33 to +3VRun 7. Audio add R99,R100</div> <div>5/4: 1. Audio Jack, add EMCA20, EMCA21</div> <div>5/7: 1. Cpu power, add PR242</div> <div>5/9: 1. Cpu power, PGOOD, PGOODG pull up power from 3VSUS to 3VRUN 2. SPI ROM, add RN37 3. Swap GPIO PIRQH# and LOCK#, PIRQB# and IRDY# 4. Remove PR73, 5. SPI ROM, pull up pin swap</div> <div>5/11: 1. LID Switch power from 3VRUN to 3VSUS 2. HOLE MH4 from VIA8 to VIA5 3. Modify PC43 P/N 4. Cpu power, add PC104, PC105</div> <div>5/12: 1. del C2, EMC25, PEC12 2. del PR52, PR53</div> <div>5/13: 1. Audio, add Q55, R101, R102</div> <div>5/16: 1. modify U15,PQ21,PQ25 P/N</div>				
C					
B					
A	<div><div><div><div>MSI</div></div></div><div><div><div>MICRO-STAR INT'L CO.,LTD</div><div>MS-N082</div><div><div>Size Custom</div><div>Document Description Change History</div><div>Rev 0A</div></div><div><div>Date: Monday, May 16, 2011</div><div>Sheet 28 of 30</div></div></div></div></div>				
	5	4	3	2	1



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