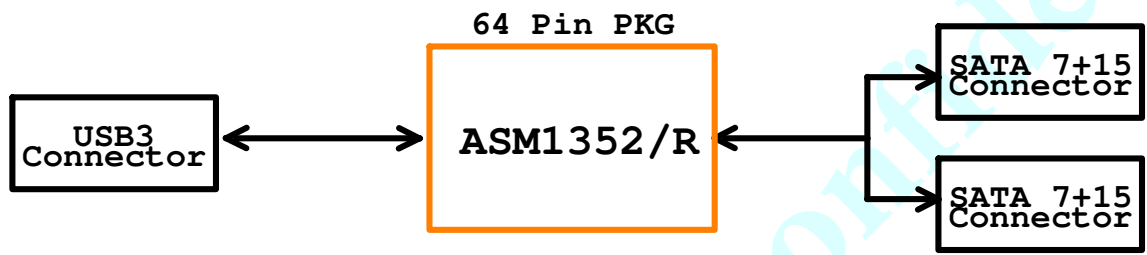


**ASM1352R Self Power Schematics**  
**Revision 0.2**

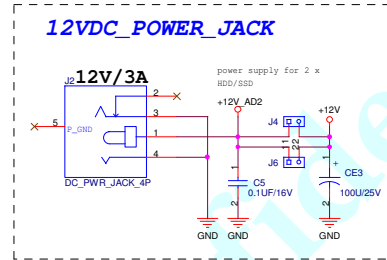
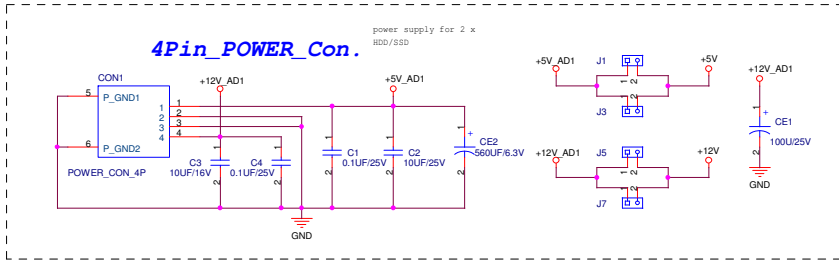
<b>TITLE</b>	<b>SHEET</b>
COVER SHEET	1
BLOCK DIAGRAM	2
SYSTEM POWER-12V/5V	3
SYSTEM POWER-3V3/1V2	4
ASM1352/R	5
SATA_CONNECTOR_64	6

asmedia confidential

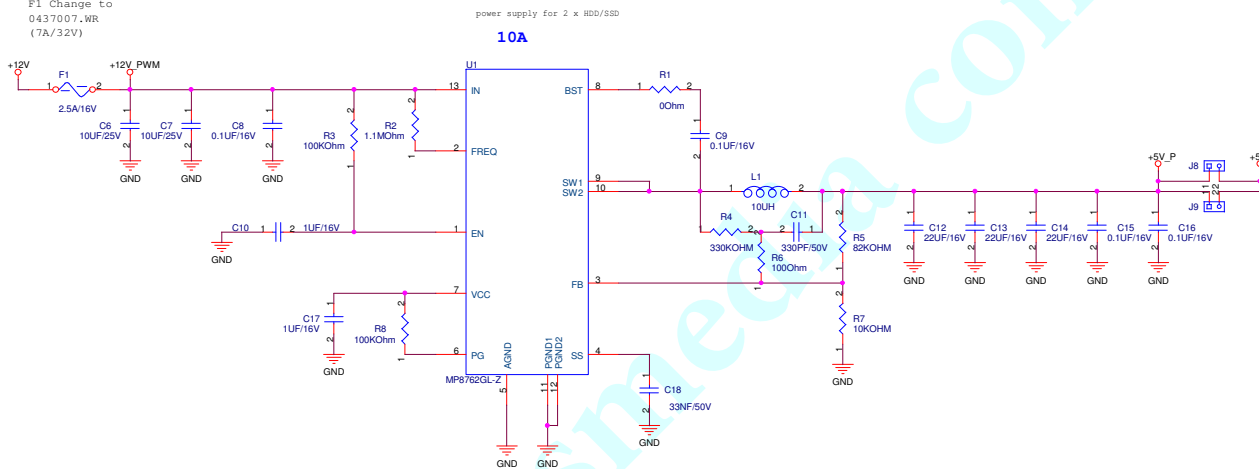


asmedia confidential

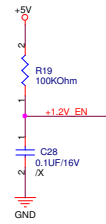
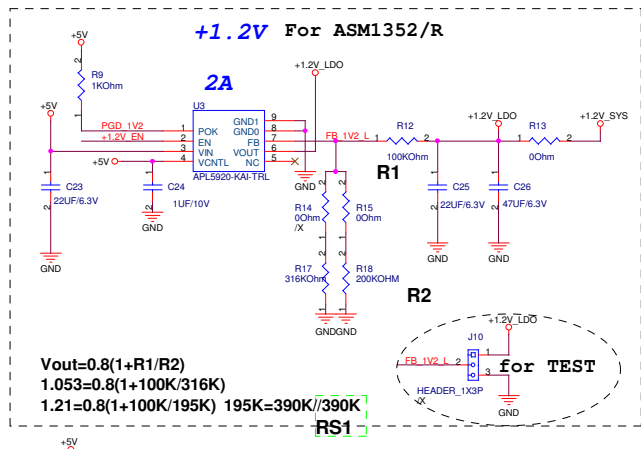
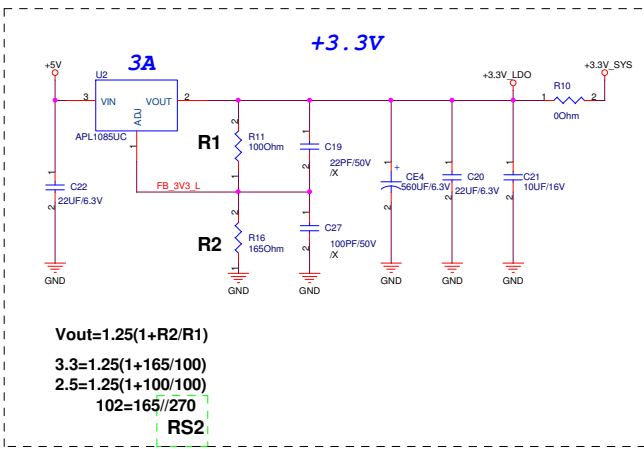
High power for 2xHDDs (5400/7200/1000rpm)



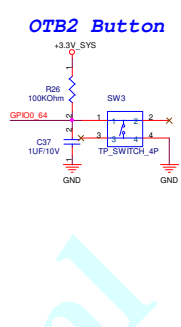
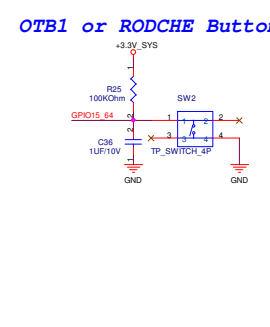
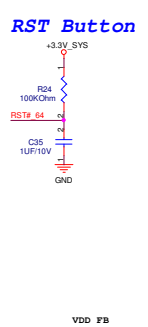
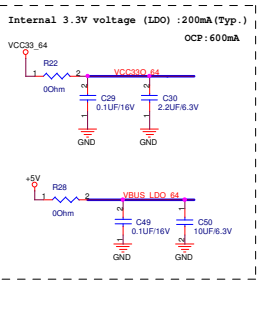
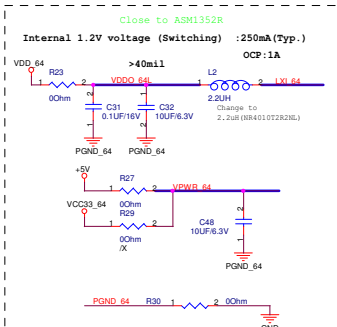
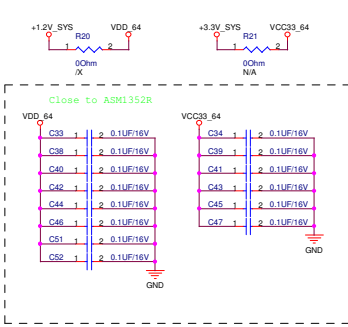
F1 Change to  
0437007.WR  
(7A/32V)



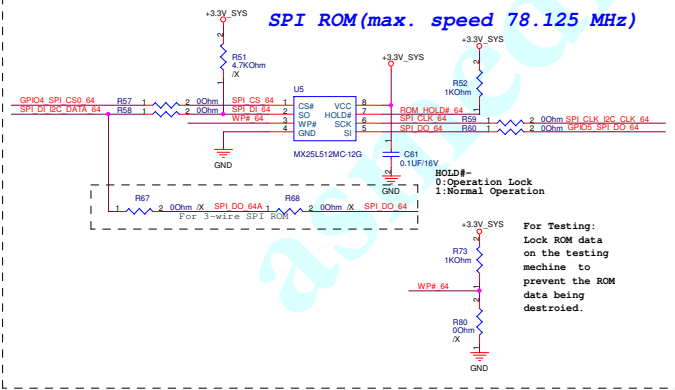
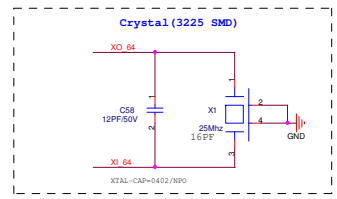
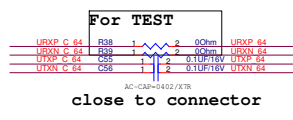
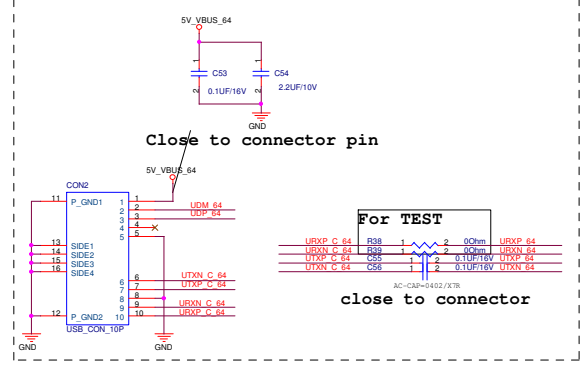
check with power solution vendor



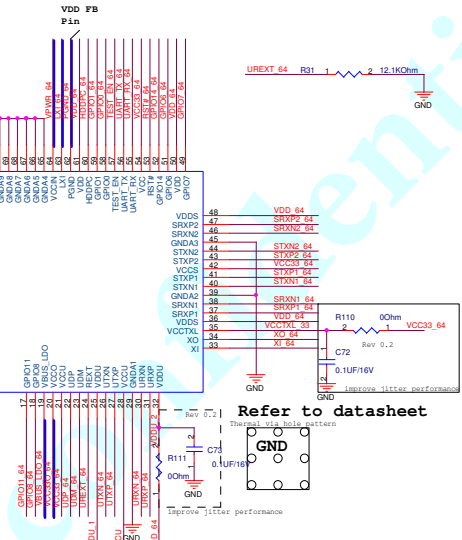
asmedia confidential



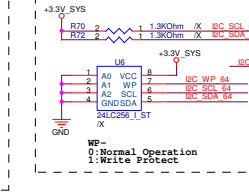
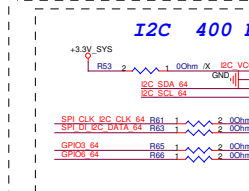
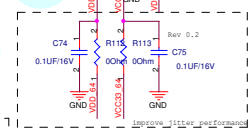
**USB3.1 Micro B (Diff. Z = 80 ohm; length < 1 inch for 10Gbps)**



For Testing:  
Lock ROM data on the testing machine to prevent the ROM data being destroyed.



Refer to datasheet



Refer to datasheet

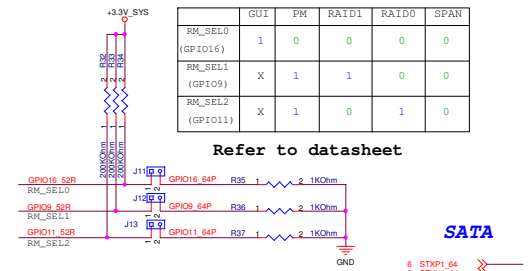
Keep TP for debug

**H/W Strapping**

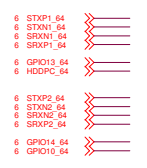
Internal pull high 50kOhm

	GUI	PM	RAID1	RAID0	SPAN
RM_SEL0 (GPIO16)	1	0	0	0	0
RM_SEL1 (GPIO9)	X	1	1	0	0
RM_SEL2 (GPIO11)	X	1	0	1	0

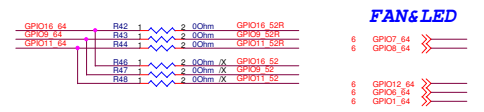
Refer to datasheet



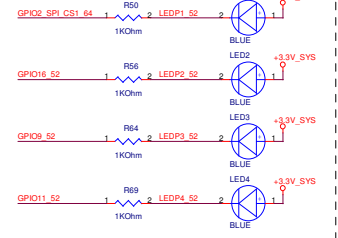
**SATA**



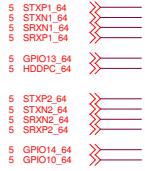
**FAN & LED**



**Clone Percentage**



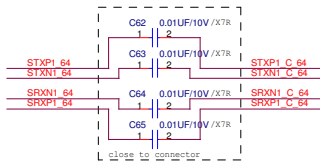
**SATA**



**FAN&LED**



**SATA(Diff. Z = 90 ohm)**



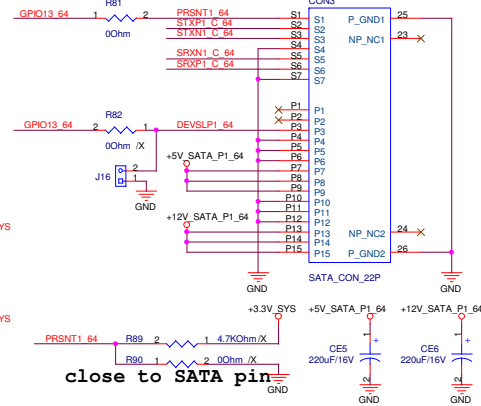
**Active LED1**



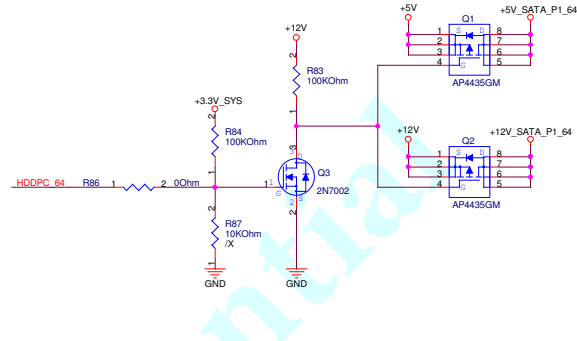
**Error LED1**



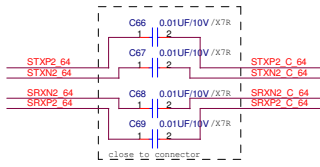
**SATA\_CON1**



**HDD\_POWER\_Control**



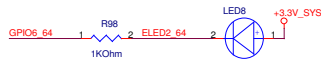
**SATA(Diff. Z = 90 ohm)**



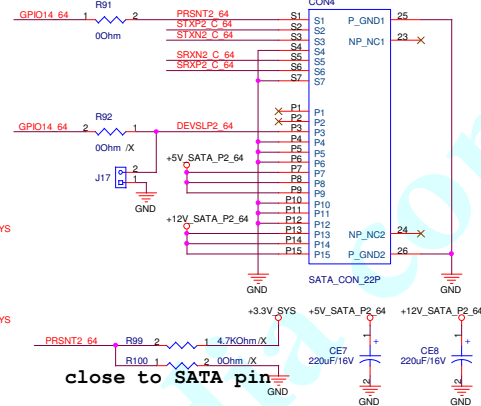
**Active LED2**



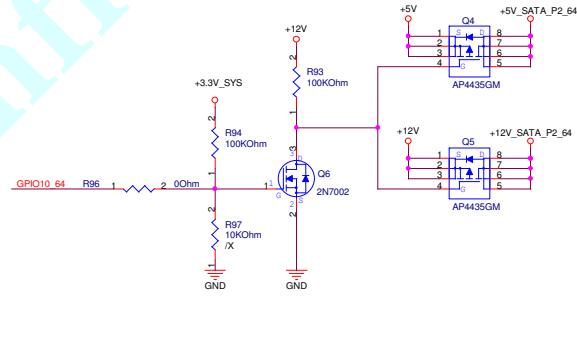
**Error LED2**



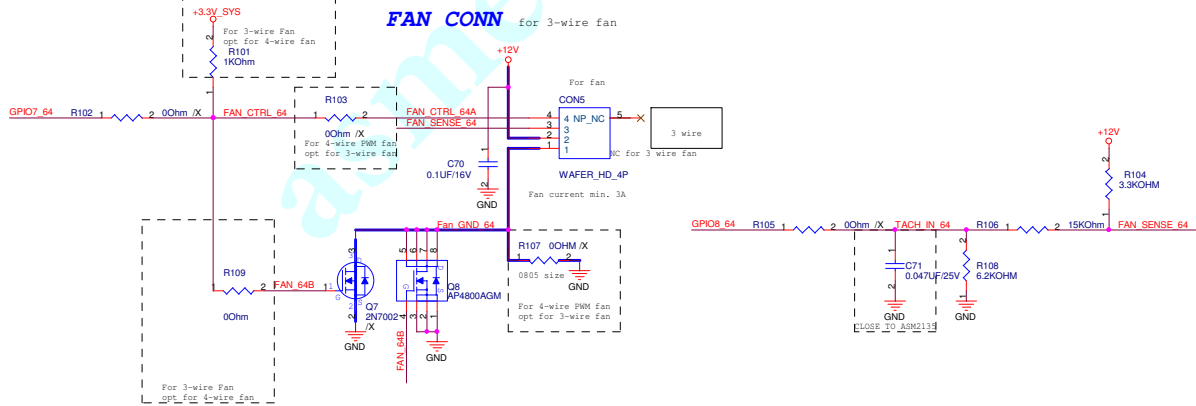
**SATA\_CON2**



**HDD\_POWER\_Control**



**FAN\_CONN** for 3-wire Fan



Title		
SATA_CONNECTOR_64		
Size	Document Number	Rev
C	ASM1352R reference schematic	0.2
Date:	Wednesday, September 03, 2014	Sheet 6 of 6