DATE EC NO. SDV EXT VER.1.42 REL 52.GBE **BOAZMAN** DEVELOPMENT NO. 1.TITLE PAGE 53.GBE LAN SWITCH 1 / 101 2.EC HISTORY 54.GBE **MAGNETICS** 3.CPU(1/3) **CONNECTOR** 55.RJ11/RJ45 4.CPU(2/3) 56.PCIE MINI CARD SLOT 5.CPU(3/3) **57.PCIE** HALF MINI CARD SLOT **CONNECTOR** BUS CONTROLLER(1/2) 6.ITP 58.CARD BUS CONTROLLER(2/2) 7.CANTIGA(1/8):HOST 59.CARD BUS SLOT 8.CANTIGA(2/8):DMI/CLK/CONTROL 60.CARD MLB3D-1 9.CANTIGA(3/8):PEG/GRAPHICS **BUS POWER CONTROL** 61.CARD 62.BLANK 10.CANTIGA(4/8):DDR3 **CHANNEL-A** 11.CANTIGA(5/8):DDR3 63.SPI **FLASH CHANNEL-B** VER.1.42 12.CANTIGA(6/8):POWER 64.DOCKING CONNECTOR 13.CANTIGA(7/8):POWER/FILTER 65.H8S/2116B(1/2) 66.H8S/2116B(2/2) 67.KEYBOARD SEP/28/'07 14.CANTIGA(8/8):GND SO DIMM CHANNEL-A CONNECTOR 15.DDR3 SO DIMM CHANNEL-B 68.TOUCH PAD CONNECTOR 16.DDR3 69.WIRELESS DISABLE 17.DDR3 DECOUPLING 70.FAN CONNECTOR 18.CLOCK GEN 19.M82XT-S(1/6):PEG 71.G-SENSOR 20.M82XT-S(2/6):DIGITAL OUT I/F 72.MISC G/A(PMH7) 21.M82XT-S(3/6):VRAM 73.SUPER I/O 22.M82XT-S(4/6):GPIO 74.THERMAL SENSOR 75.EEPROM/SMBUS SW/TPM 23.M82XT-S(5/6):POWER 24.M82XT-S(6/6):GND **76.DC-IN** 77.BATTERY 25.BLANK **INPUT** 26.VRAM CHANNEL-A 78.BATTERY CHARGER 79.CHARGE 27.BACK BIAS POWER **SELECTOR** 28.LVDS SWITCH 80.BATTERY **MONITOR** 29.LCD CONNECTOR 81.POWER SEQUENCE VCC5M/VCC3M 30.RGB 82.DC/DC SWITCH 31.EXT CRT INTERFACE **VCCCPUCORE** 83.DC/DC 84.VCCCPUCORE DECOUPLING 32.BLANK 85.DC/DC **VCCGFXCORE** 33.ICH9-M(1/6):SATA/HDA/GLAN/LPC 86.BLANK 34.ICH9-M(2/6):DMI/PCIE/USB/SPI 87.BLANK 35.ICH9-M(3/6):PCI/INTERRUPT 36.ICH9-M(4/6):GPIO/CLK/PM 88.DC/DC VCC1R5A/VCC1R05AMT 37.ICH9-M(5/6):POWER 89.DC/DC VCC0R75AMT 38.ICH9-M(6/6):GND 90.DC/DC VCC1R8VIDEO 91.CLPWRG 39.RTC BATTERY 40.SATA HDD CONN 92.DC/DC RINKAN 41.SATA BAY I/F CONN 93.LOAD SW AMT&LAN 42.USB POWER/CONN 94.LOAD SW VIDEO **43.AUDIO** CX20561 95.LOAD SW AUX 44.AUDIO MISC 96.LOAD SW B 45.AUDIO INT MIC 97.DC/DC VCC1R8B Y.Y 09/28/07 DESIGNER VER.1.42 98.LOAD 46.AUDIO HP&EXT MIC CONN SW UBAY&WWAN CHECKED 09/28/07 EXT MIC AMP 47.AUDIO 99.CPU POWER MONITOR TITLE MLB-3 EXT SDV H.K 09/28/07 APPROVED **SPEAKER** 100.EMC DECOUPLING 48.AUDIO 09/28/07 TITLE PAGE HDP AMP 49.AUDIO 101.PTH FOR SCREW HOLES 50.AUDIO **BEEP** VER.1.42 51.CDC CONNECTOR LENOVO CONFIDENTIAL Q

DATE EC NO. VER.1.42 REL HISTORY DEVELOPMENT NO. 2 / 101 MALIBU-3 **EXT PRE-DV** BASE LOGIC MALIBU-1 **EXT VER.3.11** CORONADO-5 PRE-DV EXT VER.0.31 **VER.0.00** APPLY MLB3 PDV EC001 **VER.1.09** APPLY MLB3 PDV EC276-277 **VER.0.01** APPLY MLB3 PDV EC002-014 **VER.1.10** APPLY MLB3 PDV EC278-285 **VER.0.02** APPLY MLB3 PDV EC015-022 **VER.1.11** APPLY MLB3 PDV EC286-292 **VER.0.03** APPLY MLB3 PDV EC023-026 **VER.1.12** APPLY MLB3 PDV EC293-297 MLB3 PDV EC298-300 **VER.0.04** APPLY MLB3 PDV EC027-030 **VER.1.13** APPLY **VER.0.05** APPLY **VER.1.14** MLB3 PDV EC301-304 MLB3 PDV EC031-036 APPLY MLB3_PDV_EC305,306 **VER.0.06 APPLY** MLB3 PDV EC037-046 **APPLY VER.1.15 VER.0.07** MLB3 PDV EC047-054 APPLY **VER.1.16** APPLY MLB3 PDV EC308-313 **VER.0.08** APPLY MLB3 PDV EC055-063 **VER.1.17** APPLY MLB3 PDV EC314-317 **VER.0.09 APPLY** MLB3 PDV EC064-065 APPLY MLB3 PDV EC318-320 **VER.1.18 VER.0.10** MLB3 PDV EC066-069 MLB3_PDV_EC321-325 APPLY APPLY **VER.1.19 VER.0.11** APPLY MLB3 PDV EC070-078 **VER.1.20** APPLY MLB3 PDV EC326,327 **VER.0.12 APPLY** MLB3 PDV EC079-086 **VER.1.21** APPLY MLB3 PDV EC328,329 **VER.0.13** APPLY MLB3 PDV EC087-091 **VER.1.22** APPLY MLB3 PDV EC330 **VER.0.14** APPLY MLB3 PDV EC092-096 APPLY **VER.1.23** MLB3 PDV EC331-333 **VER.0.15** APPLY MLB3 PDV EC097-103 **VER.1.24** APPLY MLB3 PDV EC334 **VER.0.16** APPLY MLB3 PDV EC104-111 **VER.1.25** APPLY MLB3 PDV EC335-340 **VER.0.17 APPLY** MLB3 PDV EC112-122 **VER.1.26** APPLY MLB3 PDV EC341-343 MLB3 PDV EC123-133 **VER.0.18** APPLY **VER.1.27** APPLY MLB3 PDV EC345,346 **VER.0.19 APPLY** MLB3 PDV EC134-143 **VER.1.28** APPLY MLB3 PDV EC347 MLB3 PDV EC144-161 **VER.0.20 APPLY VER.1.29** APPLY MLB3 PDV EC348-350 VER.0.21 MLB3 PDV EC162-174 **VER.1.30** MLB3 PDV EC351-354 APPLY APPLY **VER.0.22** APPLY MLB3 PDV EC175-180 **VER.1.31** APPLY MLB3 PDV EC355,356 **VER.0.23 APPLY** MLB3 PDV EC181-182 **VER.1.32** APPLY MLB3 PDV EC357,358 VER.0.24 APPLY MLB3 PDV EC183 **VER.1.33** APPLY MLB3 PDV EC359,360 MLB3_PDV_EC184-185 VER.0.25 **APPLY** APPLY **VER.1.34** MLB3 PDV EC361-366 VER.0.26 **APPLY** MLB3 PDV EC186-190 **VER.1.35** APPLY MLB3 PDV EC367 **VER.0.27** APPLY MLB3 PDV EC191-194 **VER.1.36** APPLY MLB3 PDV EC368 VER.0.28 APPLY **VER.1.37** MLB3 PDV EC 197 **APPLY** MLB3 PDV EC369,370 VER.0.29 **APPLY** MLB3 PDV EC195,198,199 **VER.1.38** APPLY MLB3 PDV EC371 **VER.1.39** APPLY MLB3 PDV EC372 **VER.1.00** APPLY MLB3 PDV EC200,201 **VER.1.40** APPLY MLB3 PDV EC374 **VER.1.01** APPLY MLB3 PDV EC202-205 **VER.1.41** APPLY MLB3 PDV EC375 **VER.1.02** APPLY MLB3 PDV EC206-211 VER.1.42 APPLY MLB3 PDV EC376 MLB3 PDV EC212-228 **VER.1.03** APPLY **VER.1.04** APPLY MLB3 PDV EC229-234 **VER.1.05** APPLY MLB3 PDV EC235-244 DESIGNER Y.Y 09/28/07 **VER.1.06** APPLY MLB3 PDV EC245-262 VER.1.42 **VER.1.07** APPLY MLB3 PDV EC263-267 CHECKED 09/28/07 TITLE MLB-3 EXT SDV MLB3 PDV EC268-275 **VER.1.08** APPLY H.K 09/28/07 APPROVED H.K 09/28/07 CLASS EC HISTORY THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUIOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERED TO THE LENOVO PURCHASING DEPARTMENT. VER.1.42 LENOVO CONFIDENTIAL Q





































































































































































































