kontron ... always a Jump ahead! 886LCD-M Board Family update

Introduction:

The 886LCD-M boards with Part-numbers :
  710180-45xx / 536400xx, 886LCD-M/Flex w.3x10/100/1000 ETH
  710184-45xx / 536401xx, 886LCD-M/Flex w.3x10/100 ETH
  710182-45xx / 538200xx, 886LCD-M/mITX w.3x10/100/1000 ETH
  710187-45xx / 538202xx, 886LCD-M/mITX w.1x10/100 ETH
  710195-45xx / 538203xx, 886LCD-M/mITX w. ULV600MHz, CF
  710183-45xx / 539100xx, 886LCD-M/ATX w.3x10/100/1000 ETH

have been changed as listed below.

The board Part-number will be updated as follows:
  63650000, 886LCD-M/Flex w.3x10/100/1000 ETH
  63650100, 886LCD-M/Flex w.3x10/100 ETH
  63830000, 886LCD-M/mITX w.3x10/100/1000 ETH
  63830200, 886LCD-M/mITX w.1x10/100 ETH
  63830300, 886LCD-M/mITX w. ULV600MHz, CF
  63920000, 886LCD-M/ATX w.3x10/100/1000 ETH

The Sales order numbers will be updated as follows:
  810180-45xx-R17, 886LCD-M/Flex w.3x10/100/1000 ETH
  810184-45xx-R17, 886LCD-M/Flex w.3x10/100 ETH
  810182-45xx-R15, 886LCD-M/mITX w.3x10/100/1000 ETH
  810187-45xx-R15, 886LCD-M/mITX w.1x10/100 ETH
  810195-45xx-R15, 886LCD-M/mITX w. ULV600MHz, CF
  810183-45xx-R14, 886LCD-M/ATX w.3x10/100/1000 ETH

Please enquire for availability of samples of the updated boards. The updated boards will be implemented in mass production in Q1-2006. Earlier revisions of the boards will be EOL.

Board Design Update:

1. RoHS compliant components and Printed Circuit Board (PCB) used for the manufacturing of the RoHS compliant boards. RoHS compliant production process has been implemented.
2. Hardware Watchdog functionality extended to provide longer Time-out values.
3. ETHER1 and ETHER2 Enable/ Disable control improved. The change is transparent to the user.
4. "PCB ID" and "Part #" numbers updated in BIOS menu / onboard Eeprom.
5. Audio connector stack changed to be 1U compliant connector. Please refer to mechanical drawings next page for change.

Special Concerns:

BIOS version

With the updated board, a BIOS update to version 2.2 or later is required to control the Enabling / Disabling of the ETHER1 and ETHER2 correctly. If BIOS version 2.1 or earlier is used, the LAN controllers ETHER1 and ETHER2 Enable / Disable control will not be supported.

With the updated BIOS, extended BIOS support for Hardware Watchdog functionality with time-outs up to 10minutes will be available.

The updated BIOS will be backwards compatible to previous versions of the boards.

Harddisk image / Drivers

No harddisk image update is required with this change.
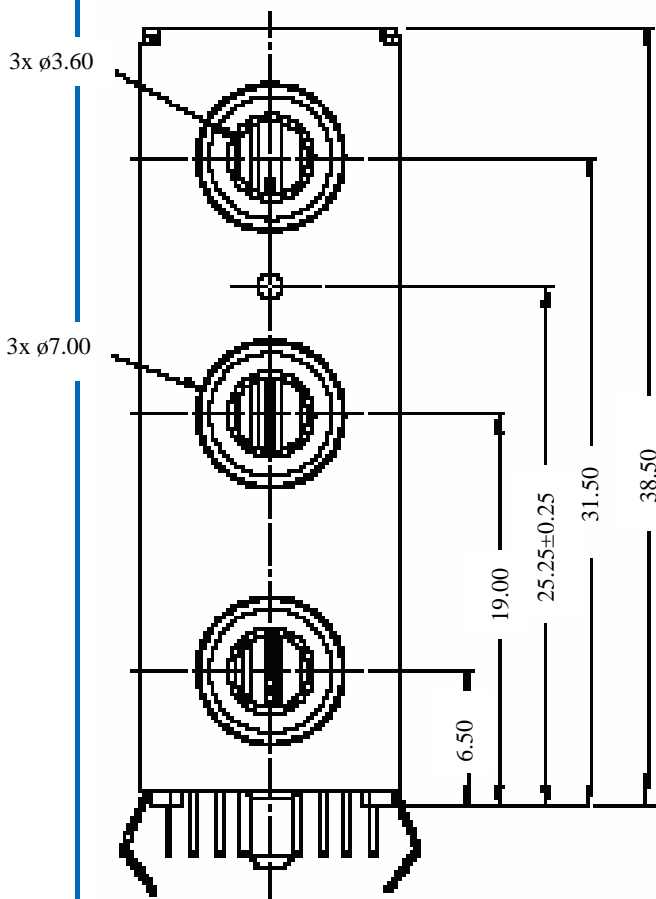
EMC / EMI

No changes.

Mechanical

No mechanical changes to positioning of Mounting holes are present from previous to updated board. No major components are moved or added.

No mechanical changes to Connectors, **except** for Audio connector stack. Please refer to below change information. **NOTE: please review Bracket Design.**

Previous Audio Stack

Updated Audio Stack