

**IEEE P1394b CONNECTOR TASK GROUP
COPPERHEADS
Briarcliffe Manor, NY
July 19, 1999**

Max Bassler – Chairman
Bill Northey – Secretary

AGENDA

Review and approval of last meetings minutes

New Items

- Legacy 6 Circuit Connector (Alternate Contact Construction)
 - Beta/Bilingual Proposal Update 3
 - New Business
 - Review ongoing action items
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JUNE 7 MINUTES

Max handed out copies of the minutes from the June 7, Houston meeting. Minutes were reviewed. A motion was made by Max to accept the minutes as printed. Seconded by Dave Bruner. Vote to approve 5 for and 2 abstain.

OPEN ACTION ITEMS:

- **ALTERNATE CONSTRUCTION FOR IEEE-1394-95 (6 ckt I/O)- Bill Northey**

Bill presented the requested crosstalk data and frequency sweep patterns. The sweep patterns were done in accordance with the IEEE P1394A draft 3.0, to 75MHz. The data will be posted on the web site within the next couple of days. Bill then reviewed revised wording for inclusion of the “alternate construction” into the IEEE 1394b draft for S100-S400. John Lopata requested that the contact lead in taper specifications be dimensioned on the proposed specifications.

Action:

A straw poll to accept the proposed text was taken and the wording approved. Bill indicated that he would add the missing dimensions to the drawing. Max asked Bill to prepare a draft section for review by the chairman on the alternate contact construction for 1394-1995.

- **BETA/BILINGUAL ONLY CONNECTOR PROPOSAL Update – Max Bassler**

Max presented Molex's proposal for a Beta/Bilingual connector. Mechanical, electrical and cost targets were reviewed; plug/socket mating matrix and status contact function were discussed. Max to post presentation on the website. The various grounding schemes previously presented in April were reviewed. Based on input during the SCAT meeting for open action items, it was decided that full galvanic isolation is necessary. Preliminary interface dimensions and PCB layouts were also presented.

NEW BUSINESS:

- **P1394B 2Gbaud Jitter Update – Colin Whitby-Stevens**

Colin made a presentation updating his original jitter information. He based his information on the latest Fibre Channel numbers. As Fibre Channel is slightly faster than 1394B at a nominal 2Gbaud, it is felt that 1394 will be better able to meet the requirements. Basically he described a spreadsheet for the jitter budget with a total jitter of 178ps for a 4.5 meter cable. Bill Snyder indicated that based on his cable manufacturing experience, this should be doable.

NEW ACTION ITEMS:

Bill Northey to post crosstalk data to web site

Bill Northey to prepare section draft of the alternate contact construction for 1394-1995 including modified drawing and forward to Max for review.

Max Bassler to post latest revision of Beta/Bilingual connector presentation to web site within 7 days.

Having no additional items for discussion, the meeting was closed.

Max made a motion to close the meeting. Dave Bruner seconded. Meeting closed.