

Digital jumper cable prototyping status

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History:

Spec and RFQ's sent out 27 Nov 2001

Revised spec (only 2 flex types) sent out 7 Jan 2002

Plan:

Validate 2 vendors with total proto cost ~ \$40 k

1. Prototypes from Honeywell FM&T

- a. Ten L2-5 type, 50 cm long (1 oz Cu)
- b. Ten L0-1 type, ~40 cm long (1/2 oz Cu)
- c. Twenty L2-5 type, 100 cm long (1 oz Cu)

Funding to be done through Fermilab via an Interagency Work Order (IWO)

2. Prototypes from Basic Electronics Inc.

- a. Ten L2-5 type, 50 cm long (1 oz Cu)
- b. Ten L0-1 type, ~40 cm long (1/2 oz Cu)
- c. Twenty L0-1 type, 100 cm long (1/2 oz Cu)

Funding to be done through K-State via a FNAL MOU (not yet in place)

3. Material –save time by preordering

- All L2-5 material for both vendors, and L0-1 material for 1b and 2b has been ordered and is at KSU.
- Material for 2c will be special order, ~\$4k, 2-5 weeks
Order awaits MOU approval

Honeywell status:

- Honeywell has started some work in good faith – has adapted CADKEY files OK, ready to start
- PO for Interagency Funds Transfer for \$21,500 for all prototyping work is about to be issued by Len Mack
BUT
- ???! PO, not IWO. IWO threshold is \$250k?
- Can Honeywell accept FNAL terms? Negotiations started.

Basic Inc. status:

- PO for (2a) is in the KSU system (in good-faith anticipation of MOU funds)
- Tom Wesson @ FNAL is working on Gerber format for Basic
- Further orders to Basic await MOU approval

Schedule:

- Honeywell estimates first delivery ~ 4 weeks APO
- Basic promises delivery 8 weeks after receiving PO and Gerber files
- After delivery of raw flex, ~ 4 weeks (from cold start) to get pad ablation done
- Then connector attachment @ FNAL, ~ 2 weeks