



Hybrids

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- Status

- ◆ L0

- ▲ Ordered 50 from Amitron
 - ▲ Fixing last small intervia distances
 - ▲ Should be ready end of january (schedule 1/7/03)

- ◆ L1

- ▲ April 2002: 18 CPT prototypes with fingers, 12 stuffed
 - ▲ Fingerless design ready

- ◆ L2A

- ▲ August 2002: 23 prototypes from Amitron, 12 stuffed
 - ▲ November 2002: 15 prototypes from CPT

- ◆ L2S

- ▲ November 2002: 23+1 prototypes from CPT



Hybrids

- Observations

- ◆ Good news

- ▲ All first prototypes ok electrically
- ▲ CPT prototypes have good flatness
- ▲ Fingerless design ok
- ▲ All essential features tested
 - Due to good SVX4 performance

- ◆ Not so good news

- ▲ Layout takes more time
 - Mostly decision making process
- ▲ Production setbacks
 - Takes more time
 - More expensive
 - L1 CPT & L2A Amitron both had production flaws (hopefully L2A and L2S CPT are up to all specs)
- ▲ Safety wipes take some time



Hybrids

- Plans

- ◆ L0

- ▲ L0 Sector assembly and electrical test : February

- ◆ L1

- ▲ Waiting for final L1 module design

- ▲ Good candidate for first production batch

- Small quantities : 100 pieces

- All design features tested, can skip 2nd prototype

- Should order soon

- Learn the process (ex. Production Readiness Review)

- Keep vendor in the loop

- Give Production group parts to start early

- ◆ L2A & L2S

- ▲ Will complete the prototype order (15/50 & 23/50 delivered)

- ▲ Near term : stuff 10 + 10 to qualify vendors

- SVX4 wafer testing lags behind

- After those 20 hybrids will have a few chips left