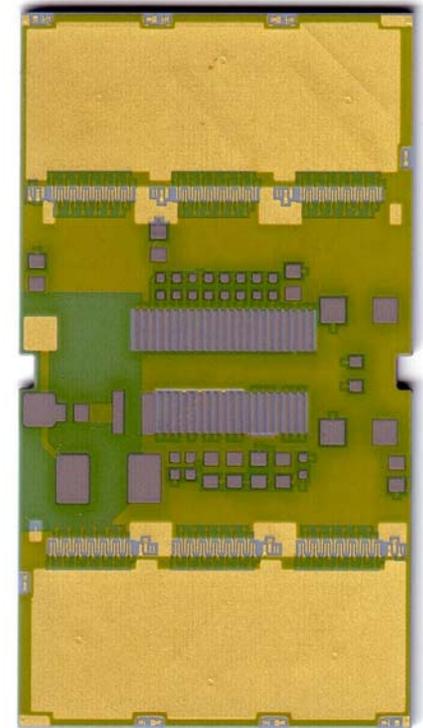


# Hybrid Test

- Visual inspection
- Compared hybrid to layout
- Tested for continuity between points
  - Following schematic data, checked that signals were connected to the correct pads
- Tested for shorts to ground
  - Placed one probe on a ground pad, and tested each individual pad on the hybrid for shorts to ground
- Tested for shorts between pads
  - Placed one probe on each pad and tested against all other pads to check for shorts



# Hybrid Test Results

- Visual inspection:
  - The hybrid looks good. We did not see any defects or mistakes on the surface
- Comparison to layout:
  - We did notice a few differences between the hybrid and the layout. Fermilab sent updated drawings and the hybrid checks out ok
- Testing continuity between pads:
  - All the points tested good. We followed the data in the schematic and checked all signals against the schematic (ohms range between 0.25 to about 8)
- Tested for shorts to ground:
  - All points tested good. Pads that should be grounded are grounded and all others are open
- Tested for shorts between pads:
  - No shorts found between pads, other than those that should be shorted together according to the schematic