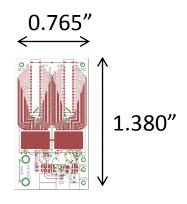
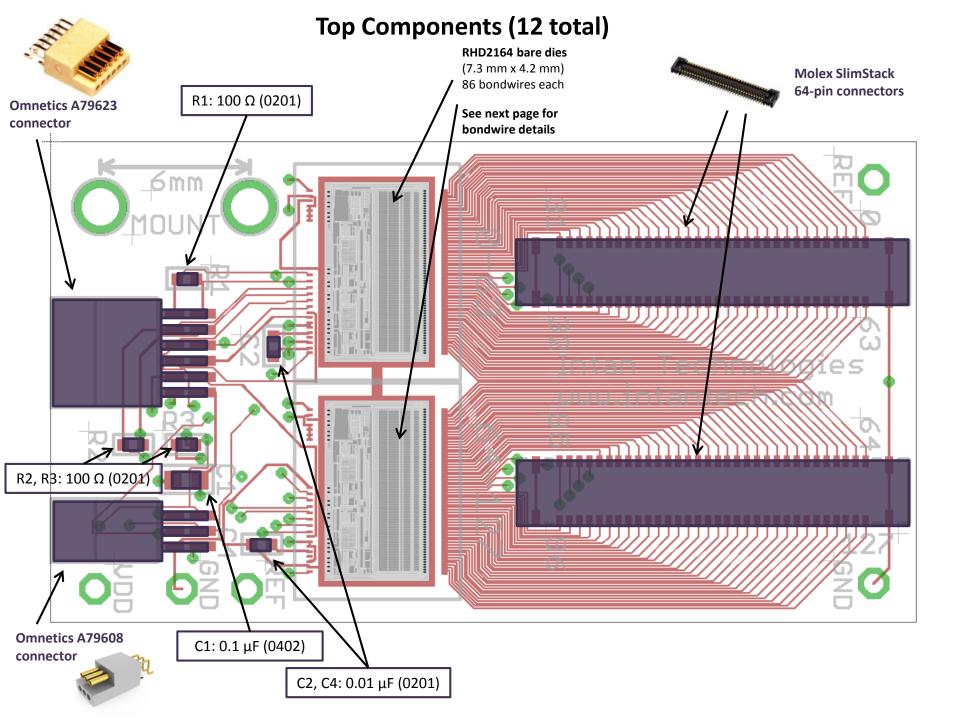
# **RHD2000 128-Channel Headstage Board**

FR406 material, 0.036" thick, ENIG (immersion gold) plating (2 μm)

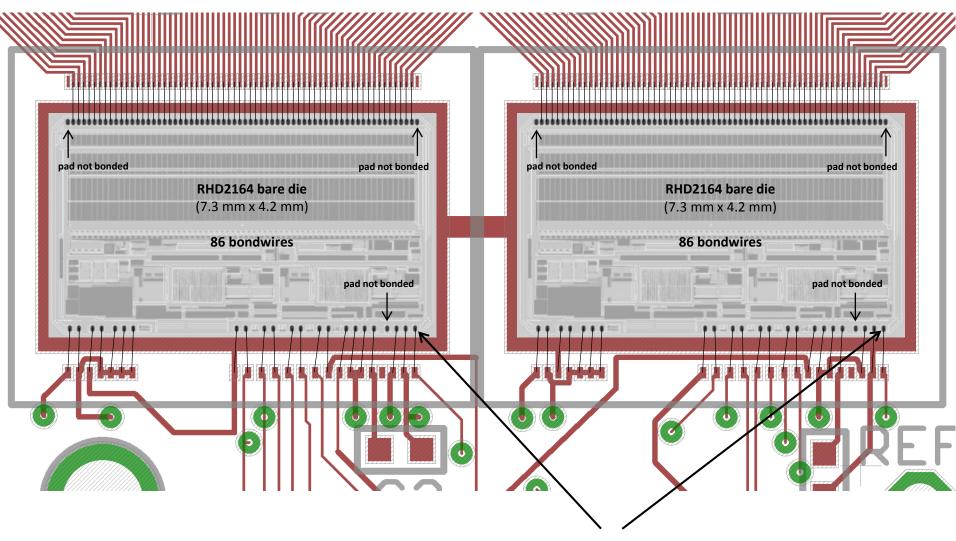
No through-hole components; only SMDs



actual size

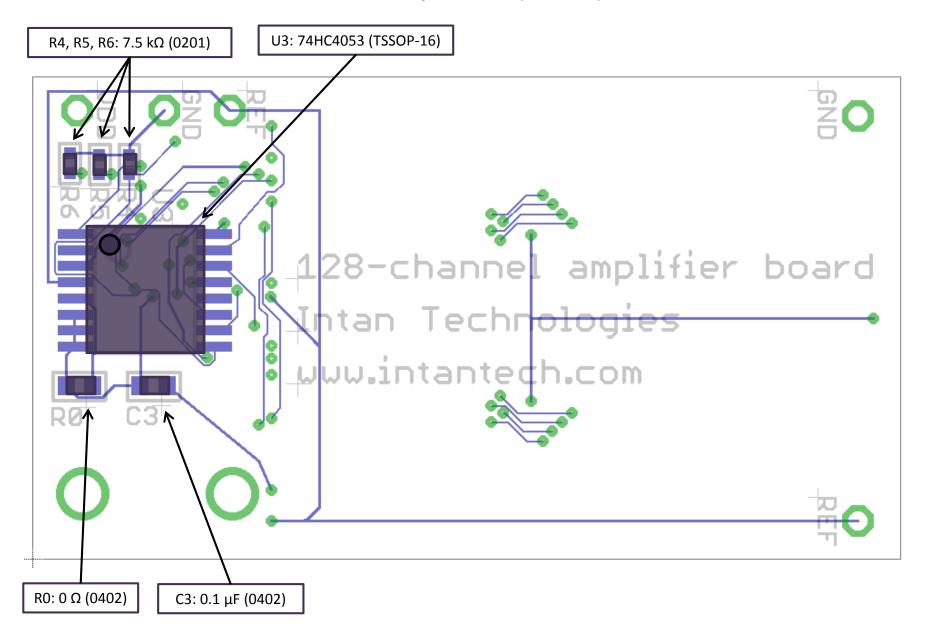


# **Chip Bondwires – Detail**



**Note:** The bond pads in the lower right corner of the chip were not bonded in our older one-chip board, but they **should** be bonded on this newer two-chip board.

## **Bottom Components (6 total)**



### **Intan Technologies RHD2164 Bare Die**

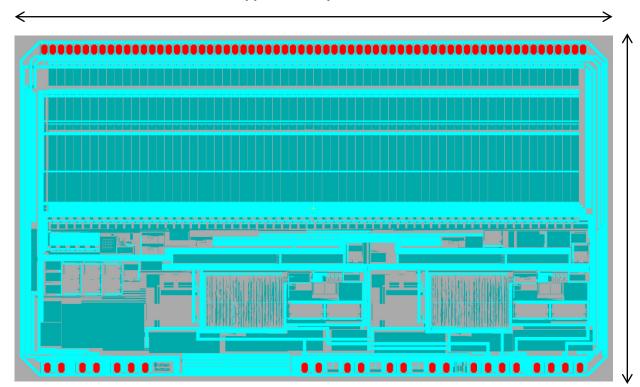
#### Approximately 7.3 mm

Gray = approximate outline of die (may vary from die to die due to variations in sawing)

Yellow Cross = center of design (may not coincide precisely with center of die due to variations in sawing)

Blue, Green = top metal layers (highly visible)

**Red** = glass openings for bond pads

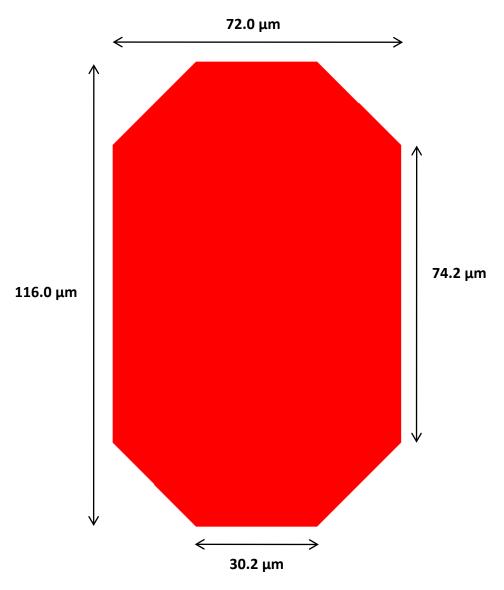


Approximately 4.2 mm

Each die is 0.20 mm (8 mils) thick

### **Bond Pad Dimensions**

Bond pad metal: AlCu (99.5% aluminum, 0.5% copper)



Minimum bond pad pitch (center to center) on RHD2164: 101.6  $\mu$ m (4.000 mil)