Assembly Jigging Precision

All components fabricated in industry, measured at MPI

Combs for tube positioning:

Tube z position: $\pm\, 4\ \mu\mathbf{m}$ (rms)
Tube y position: $\pm\, 3\ \mu\mathbf{m}$ (rms)
z-pitch ($20°$C): $\mathbf{30036 \pm 0.5}\ \mu\mathbf{m}$ (rms)

Sphere towers tube layer positioning:

Layer z position: $\pm 3\ \mu\mathbf{m}$ (abs.)
Layer y position: $\pm 5\ \mu\mathbf{m}$ (abs.)
y-pitch: $\mathbf{26039 \pm 0.5}\ \mu\mathbf{m}$ (rms)
Spacer height: $\mathbf{346942 \pm 5}\ \mu\mathbf{m}$ (rms)