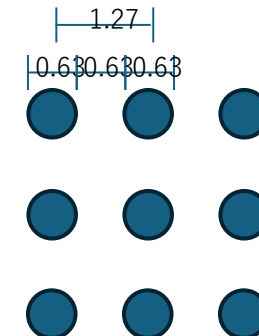
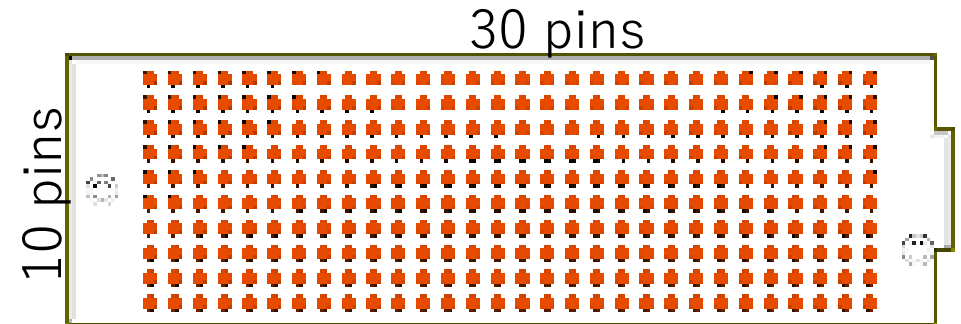
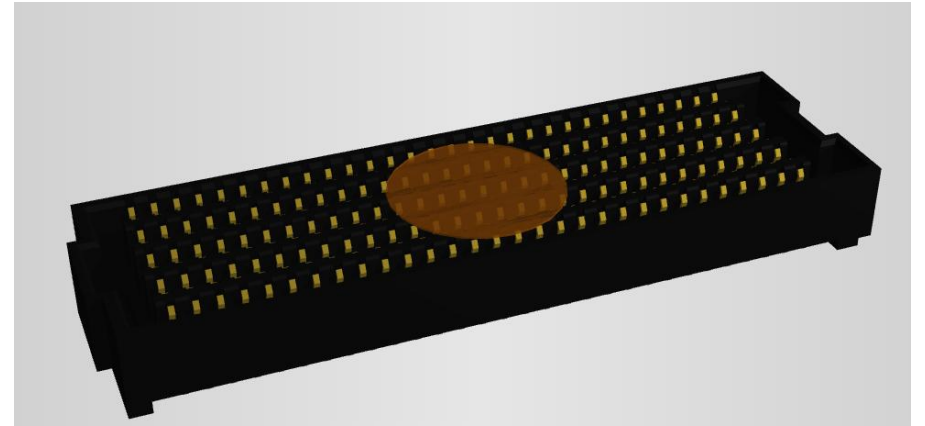


Connector and line routing at FPC

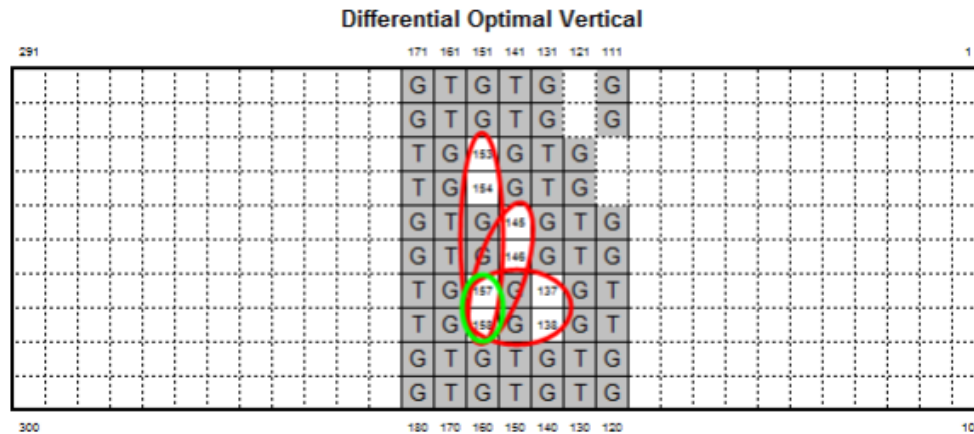
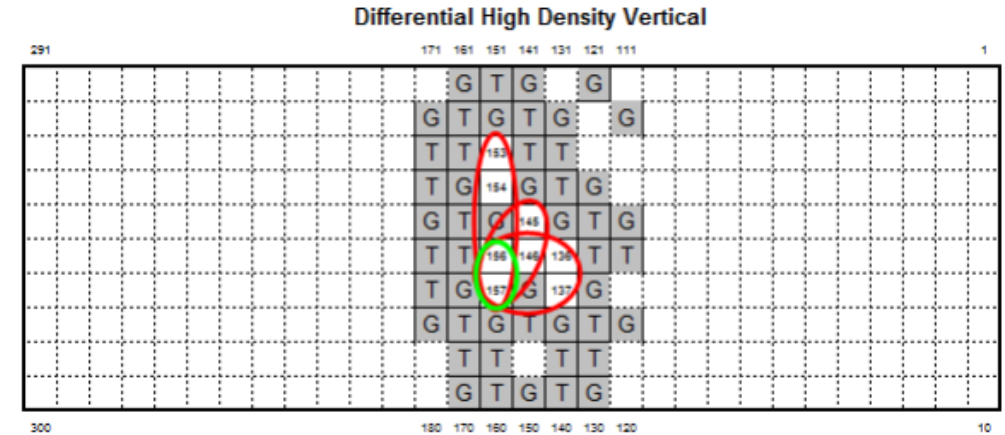
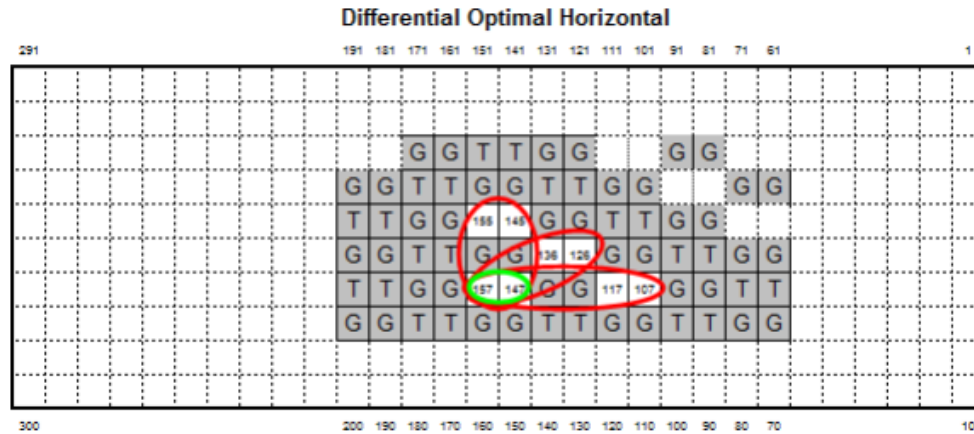
Takashi Hachiya
Nara Women's University

Proposed connector

- SEAF-30-05.0-L-10-2-A-K-TR
 - 30 x 10 pins = 300
 - 1.27mm pitch
 - Used for FMC (connected by BGA)
- Pin assign and line routing
 - Line & space = 70 & 70 μm
 - Available area btw pins = 630 μm
 - 3 lines : S/L/S/L/S/L/S = $70*7 = 490\mu\text{m}$
 - 4 lines : S/L/S/L/S/L/S/L/S = $70*9 = 630\mu\text{m}$
 - 4 lines : $0.5*S/L/S/L/S/L/S/L/0.5*S = 70*8 = 560\mu\text{m}$



Pin assign examples at the connector



- https://suddendocs.samtec.com/testreports/characterization-details-seam-seaf-10mm_web.pdf