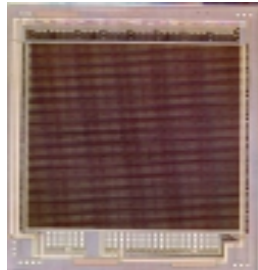
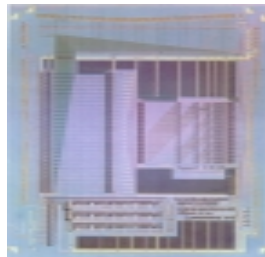


3DANN™ Technology for Silicon Neuron Program

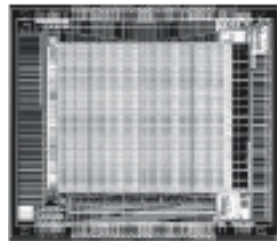
IRVINE SENSORS CORPORATION



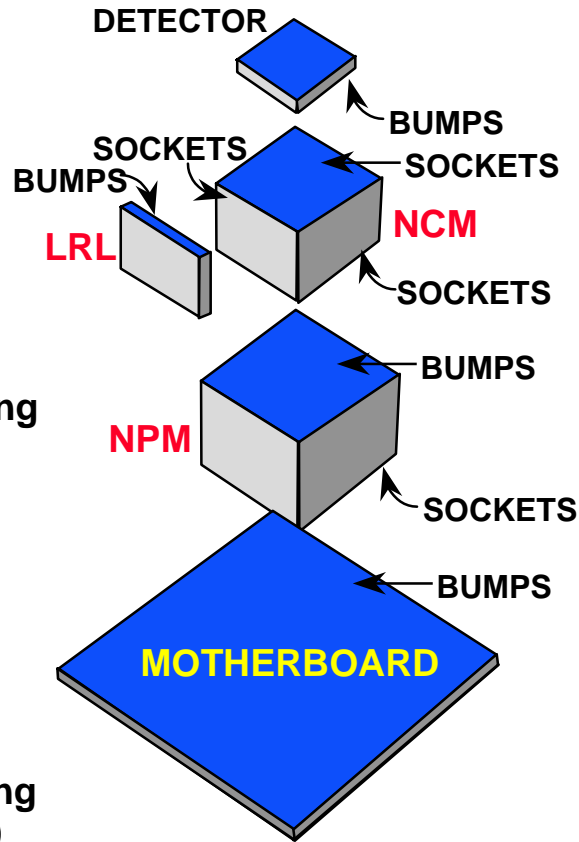
Lateral Resistance Layer (LRL)



Neural Conditioning Module (NCM)



Neural Processing Module (NPM)



Infrared Detector Captures Image



Image Converted



NCM Buffers & Amplifies Current



Spatial Filtering by LRL



NPM Compares Image to 260 Million Templates



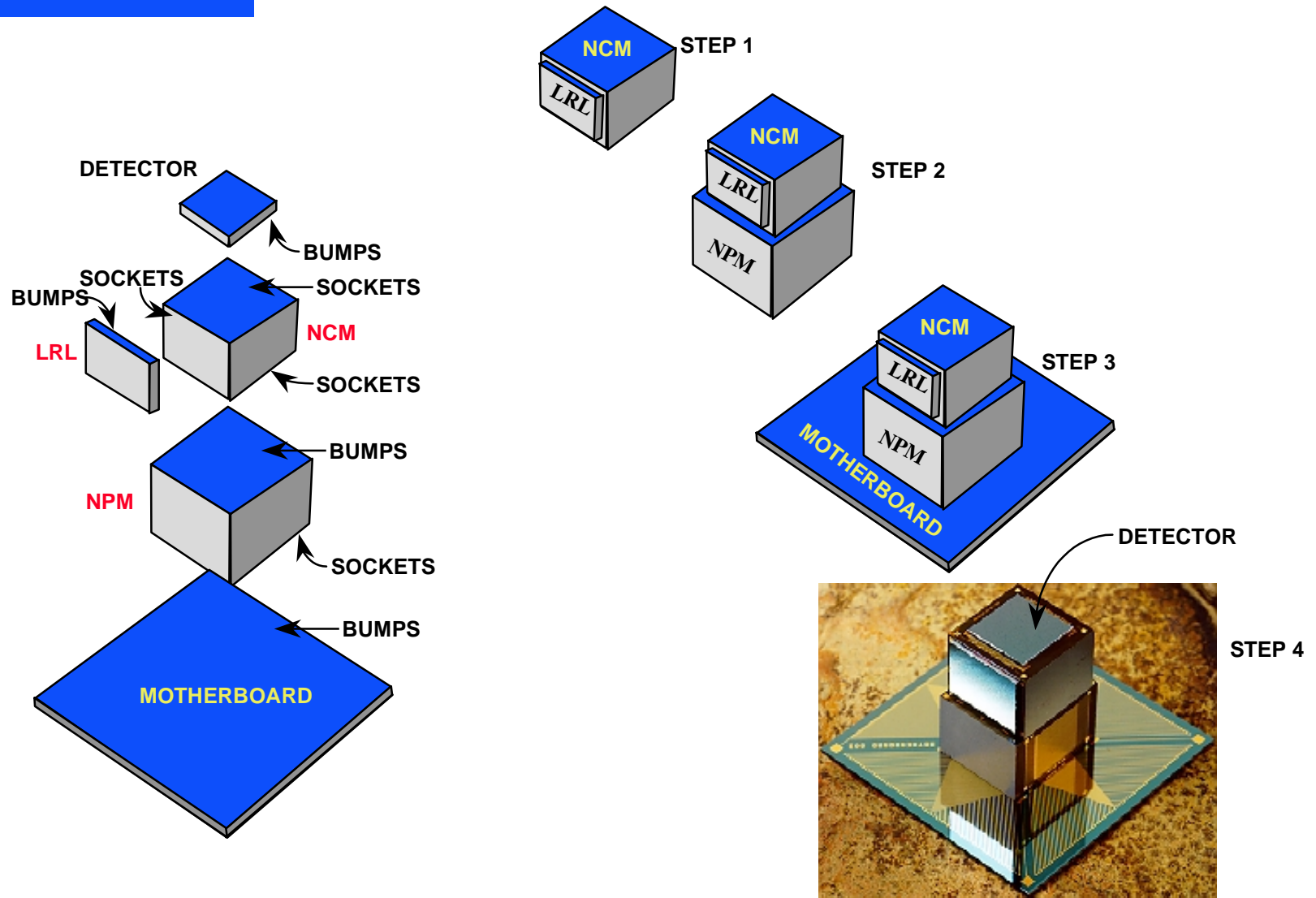
Image Matched with Template



Image Recognition

3DANN™ FABRICTION STEPS

IRVINE SENSORS CORPORATION



1 Tera-Op Processor