

Compute Project

SIP Design Flow

Jawad Nasrullah, zGlue Inc ODSA Weekly Meeting 4/19/2019

Consume. Collaborate. Contribute.

Chip Design Flow

DESIGN STEPS



2- Design Entry IO Planning RTL Design and Verification Schematic Capture Component Placement

3- Chip Layout / Routing / Package Layout

4- Verification

Functional

Electrical

5- Send to Manufacturing

Thermal



PCB Design Flow

DESIGN STEPS

1- Architecture, Component selection, Package Selection

2- Design Entry IO Planning, Initial Placement Schematic Capture (HDL/Orcad/Altium/Pads/Allegro) Placement Optimization

3- PCB Routing and Layout

4- Verification (skip for cheap board) Functional Electrical (PI/SI)

Thermal

5- Send to Manufacturing



SIP Design Flow

DESIGN STEPS

1- Architecture, Component selection, Package Selection

2- Design Entry IO Planning, Initial Placement RTL Design and Verification Schematic Capture Placement Optimization

3- Package Routing and Layout (SiP, APD)

4- Verification

Functional

Electrical (PI/SI)

Thermal

5- Send to Manufacturing



PoC Package Design Flow

DESIGN STEPS

1- Architecture, Component selection, Package Selection





PoC SW Dev Vechicle PCB Design Flow

DESIGN STEPS



