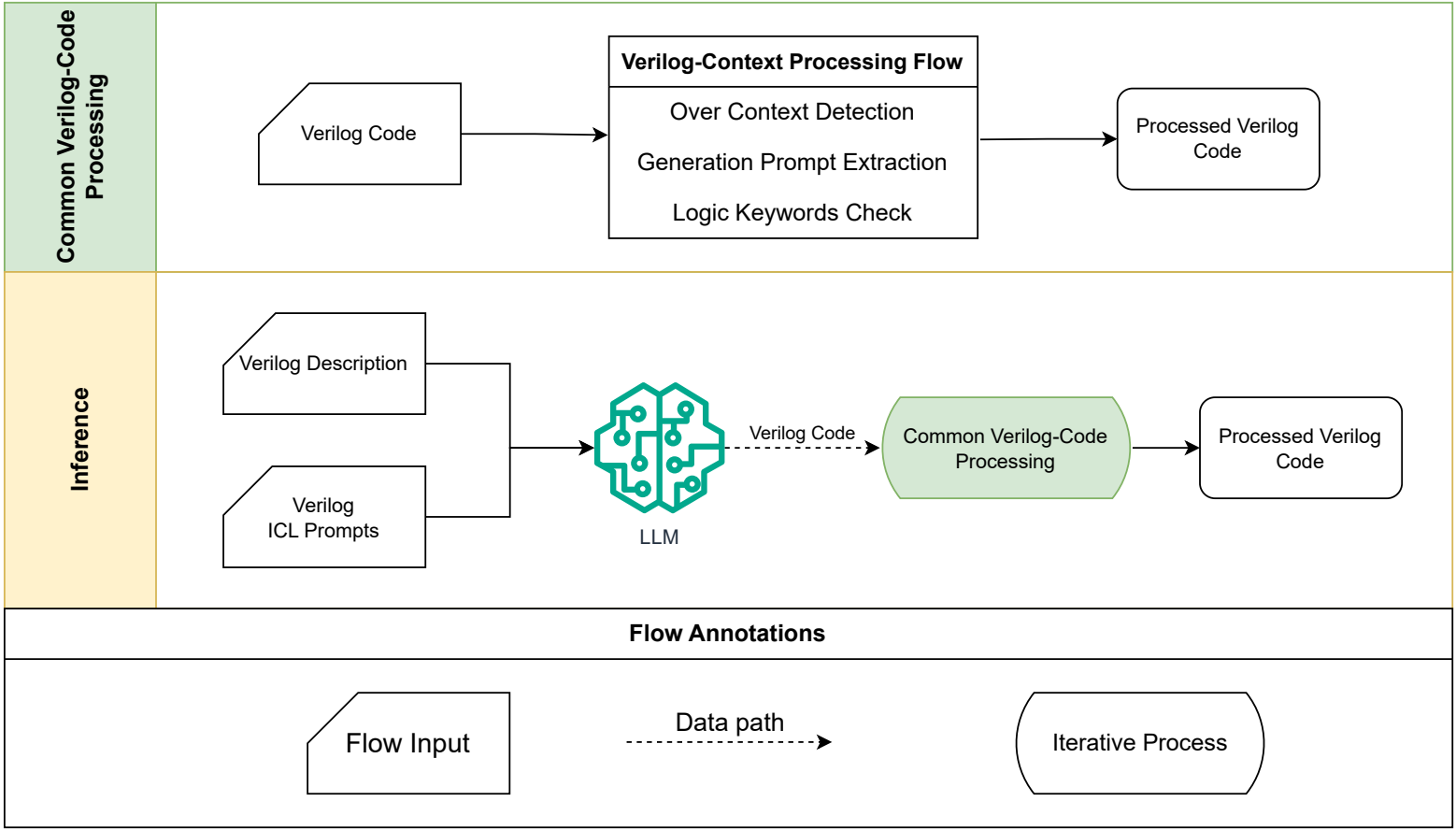
Common Verilog-Code Processing
Verilog Code
Verilog-Context Processing Flow
Over Context Detection
Generation Prompt Extraction
Logic Keywords Check
Processed Verilog Code
Inference
Verilog Description
Verilog ICL Prompts
LLM
Verilog Code
Common Verilog-Code Processing
Processed Verilog Code
Flow Annotations
Flow Input
Data path
Iterative Process