Tesplan

Sec#	Testplan Section / Coverage Link	Type	Coverage	Goal	% of Goal	Status	Weight	Link Status
0	⭐ testplan	Testplan	100%	-	100%	▰▰▰	1	Clean
1	⭐ ALU Operation Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
1.1	⭐ Coverpoints for ALU instructions	Testplan	100%	100%	100%	▰▰▰	1	Clean
1.2	⭐ Coverpoints for ALU operands	Testplan	100%	100%	100%	▰▰▰	1	Clean
1.3	⭐ Conditional operand coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
1.4	⭐ Cross Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
2	⭐ Memory Instructions	Testplan	100%	100%	100%	▰▰▰	1	Clean
2.1	⭐ Coverpoints for memory operations	Testplan	100%	100%	100%	▰▰▰	1	Clean
2.2	⭐ Conditional operand coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
2.3	⭐ Cross Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
3	⭐ Control Instructions	Testplan	100%	100%	100%	▰▰▰	1	Clean
3.1	⭐ Coverpoints for control instructions	Testplan	100%	100%	100%	▰▰▰	1	Clean
3.2	⭐ Conditional operand coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
3.3	⭐ Cross Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean

Coverpoints

Sec#	Testplan Section / Coverage Link	Type	Coverage	Goal	% of Goal	Status	Weight	Link Status
1	⭐ ALU Operation Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
1.1	⭐ Coverpoints for ALU instructions	Testplan	100%	100%	100%	▰▰▰	1	Clean
1.1.1	⭐ ADD Instruction Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_op_add	CoverPoint	100%	100%	100%	▰▰▰	1	
1.1.2	⭐ AND Instruction Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_op_and	CoverPoint	100%	100%	100%	▰▰▰	1	
1.1.3	⭐ NOT Instruction Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_op_not	CoverPoint	100%	100%	100%	▰▰▰	1	
1.2	⭐ Coverpoints for ALU operands	Testplan	100%	100%	100%	▰▰▰	1	Clean
1.2.1	⭐ Operand Source Register 1 Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_sr1_reg	CoverPoint	100%	100%	100%	▰▰▰	1	
1.2.2	⭐ Operand Source Register 2 Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_sr2_reg	CoverPoint	100%	100%	100%	▰▰▰	1	
1.2.3	⭐ Immediate Operand Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_imm5_operand	CoverPoint	100%	100%	100%	▰▰▰	1	
1.3	⭐ Conditional operand coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
1.3.1	⭐ ADD Operation Source Register 1 Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/add_sr1	CoverPoint	100%	100%	100%	▰▰▰	1	
1.3.2	⭐ ADD Operation Source Register 2 Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/add_sr2	CoverPoint	100%	100%	100%	▰▰▰	1	
1.3.3	⭐ AND Operation Source Register 1 Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/and_sr1	CoverPoint	100%	100%	100%	▰▰▰	1	
1.3.4	⭐ AND Operation Source Register 2 Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/and_sr2	CoverPoint	100%	100%	100%	▰▰▰	1	
1.3.5	⭐ NOT Operation Write Register Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_not_dest_source	CoverPoint	100%	100%	100%	▰▰▰	1	
1.3.6	⭐ Valid Source Register 1 Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_sr1_cp	CoverPoint	100%	100%	100%	▰▰▰	1	
1.3.7	⭐ Valid Source Register 2 Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_sr2_cp	CoverPoint	100%	100%	100%	▰▰▰	1	
1.3.8	⭐ Valid Destination Register Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_dr_cp	CoverPoint	100%	100%	100%	▰▰▰	1	
1.3.9	⭐ Immediate Value Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_imm5_cp	CoverPoint	100%	100%	100%	▰▰▰	1	
2.1	⭐ Coverpoints for memory operations	Testplan	100%	100%	100%	▰▰▰	1	Clean
2.1.1	⭐ LD opcode coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_op_ld	CoverPoint	100%	100%	100%	▰▰▰	1	
2.1.2	⭐ LDR opcode coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_op_ldr	CoverPoint	100%	100%	100%	▰▰▰	1	
2.1.3	⭐ LDI opcode coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_op_ldi	CoverPoint	100%	100%	100%	▰▰▰	1	
2.1.4	⭐ LEA opcode coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_op_lea	CoverPoint	100%	100%	100%	▰▰▰	1	
2.1.5	⭐ ST opcode coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_op_st	CoverPoint	100%	100%	100%	▰▰▰	1	
2.1.6	⭐ STR opcode coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_op_str	CoverPoint	100%	100%	100%	▰▰▰	1	
2.1.7	⭐ STI opcode coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_op_sti	CoverPoint	100%	100%	100%	▰▰▰	1	
2.2	⭐ Conditional operand coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
2.2.1	⭐ Destination register coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_dreg	CoverPoint	100%	100%	100%	▰▰▰	1	
2.2.2	⭐ Source register coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_sreg	CoverPoint	100%	100%	100%	▰▰▰	1	
2.2.3	⭐ Base register coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_baser	CoverPoint	100%	100%	100%	▰▰▰	1	
2.2.4	⭐ 6 Bit PC Offset Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_pcOffset6_reg	CoverPoint	100%	100%	100%	▰▰▰	1	
2.2.5	⭐ 9 Bit PC Offset Coverage	Testplan	100%	100%	100%	▰▰▰	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/mem_pcOffset9_reg	CoverPoint	100%	100%	100%	▰▰▰	1	

3.1	Coverpoints for control instructions	Testplan	100%	100%	100%	▇	1	Clean
3.1.1	JMP Opcode Coverage	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ctrl_op_jmp	CoverPoint	100%	100%	100%	▇	1	
3.1.2	BR Opcode Coverage	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ctrl_op_br	CoverPoint	100%	100%	100%	▇	1	
3.2	Conditional operand coverage	Testplan	100%	100%	100%	▇	1	Clean
3.2.1	Branch Condition Flags Coverage	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ctrl_nzp	CoverPoint	100%	100%	100%	▇	1	
3.2.2	9-Bit PC Offset Coverage for BR	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ctrl_pcoffset9	CoverPoint	100%	100%	100%	▇	1	
3.2.3	Base Register Coverage for JMP	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ctrl_baser	CoverPoint	100%	100%	100%	▇	1	

Cross

1.4	Cross Coverage	Testplan	100%	100%	100%	▇	1	Clean
1.4.1	NOT Instruction Cross Coverage	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/not_x_sr1	Cross	100%	100%	100%	▇	1	
1.4.2	Cross Coverage for Source Register 1	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_sr1_cross_cp	CoverPoint	100%	100%	100%	▇	1	
1.4.3	Cross Coverage for Source Register 2	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_sr2_cross_cp	CoverPoint	100%	100%	100%	▇	1	
1.4.4	Cross Coverage for Destination Register	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/alu_dr_cross_cp	CoverPoint	100%	100%	100%	▇	1	
2.3	Cross Coverage	Testplan	100%	100%	100%	▇	1	Clean
2.3.1	LD Destination Register Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ld_x_dr	Cross	100%	100%	100%	▇	1	
2.3.2	LD PC Offset Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ld_x_pcoffset9	Cross	100%	100%	100%	▇	1	
2.3.3	LDR Destination Register Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ldr_x_dr	Cross	100%	100%	100%	▇	1	
2.3.4	LDR Base Register Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ldr_x_baser	Cross	100%	100%	100%	▇	1	
2.3.5	LDR PC Offset Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ldr_x_pcoffset6	Cross	100%	100%	100%	▇	1	
2.3.6	LDI Destination Register Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ldi_x_dr	Cross	100%	100%	100%	▇	1	
2.3.7	LDI PC Offset Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/ldi_x_pcoffset9	Cross	100%	100%	100%	▇	1	
2.3.8	ST Source Register Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/st_x_sr	Cross	100%	100%	100%	▇	1	
2.3.9	ST PC Offset Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/st_x_pcoffset9	Cross	100%	100%	100%	▇	1	
2.3.10	STR Source Register Cros	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/str_x_sr	Cross	100%	100%	100%	▇	1	
2.3.11	STR Base Register Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/str_x_baser	Cross	100%	100%	100%	▇	1	
2.3.12	STR PC Offset Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/str_x_pcoffset6	Cross	100%	100%	100%	▇	1	
2.3.13	STI Source Register Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/sti_x_sr	Cross	100%	100%	100%	▇	1	
2.3.14	STI PC Offset Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/sti_x_pcoffset9	Cross	100%	100%	100%	▇	1	
2.3.15	LEA Destination Register Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/lea_x_dr	Cross	100%	100%	100%	▇	1	
2.3.16	LEA PC Offset Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/lea_x_pcoffset9	Cross	100%	100%	100%	▇	1	
3.3	Cross Coverage	Testplan	100%	100%	100%	▇	1	Clean
3.3.1	JMP Base Register Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/baser_x_jmp	Cross	100%	100%	100%	▇	1	
3.3.2	BR PC Offset Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/pcoffset9_x_br	Cross	100%	100%	100%	▇	1	
3.3.3	BR Condition Flags Cross	Testplan	100%	100%	100%	▇	1	Clean
	/decode_in_pkg/decode_in_transaction_coverage/decode_in_instr_transaction_cg/nzp_x_br	Cross	100%	100%	100%	▇	1	