INTEGRATION & TOOLING

GSH-130X

Multi-slot GFI; queue/DMA fabric; streaming; per-slot reset; fault containment; telemetry; trace; DFT; physical slot contracts.

IP-005 · Core precheck closed · RTL / core implementation

Function and architecture

- Multi-slot GFI
- queue/DMA fabric
- streaming
- per-slot reset
- fault containment
- telemetry
- physical slot contracts

Integration summary

GSH-130X integration role: Multi-slot/high-bandwidth harness variant. Documented composition: Multi-slot GFI; queue/DMA fabric; streaming; per-slot reset; fault containment; telemetry; trace; DFT; physical slot contracts..

Technical record

Canonical identity	IP-005
Responsibility	Multi-slot/high-bandwidth harness variant
Documented building blocks	Multi-slot GFI; queue/DMA fabric; streaming; per-slot reset; fault containment; telemetry; trace; DFT; physical slot contracts.
Delivery boundary	RTL / core implementation
Evidence scope	Core precheck closed

Delivery and release binding

- Interface version and parameter set
- Clock/reset domains and integration constraints
- Companion memory, PHY and software requirements
- Verification collateral and acceptance criteria

Confirm for the selected release: Node/library binding, Clock/reset limits, Physical and protocol dependencies, Artifact hashes, Acceptance criteria.

Evidence and qualification

The later controlled record preserves setup/LVS/KLayout-DRC closure and reports a core precheck of 5 PASS / 0 FAIL / 0 SKIP with design_drc=0 and vendor_ip=0.

The core precheck scope is clean. The exact package/GOLDEN release and foundry acceptance boundary remain separate.

Canonical status: Engineering build-spec family

Evaluation and licensing

Evaluation: Evaluate an individual IP configuration. Production: Named-design production license. Custom work: Node binding or derivative integration. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

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