HWT_Clk — HWT_Rst — HWT_Signal — OSIF_Sw2Hw_Data [31:0] — OSIF_Sw2Hw_Empty — OSIF_Hw2Sw_Full — MEMIF_Mem2Hwt_Data [31:0] — MEMIF_Mem2Hwt_Empty — MEMIF_Hwt2Mem_Full —	Hardware Thread OSIF_Sw2Hw_RE OSIF_Hw2Sw_Data [31:0] OSIF_Hw2Sw_WE MEMIF_Mem2Hwt_RE MEMIF_Hwt2Mem_Data [31:0] MEMIF_Hwt2Mem_RE
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