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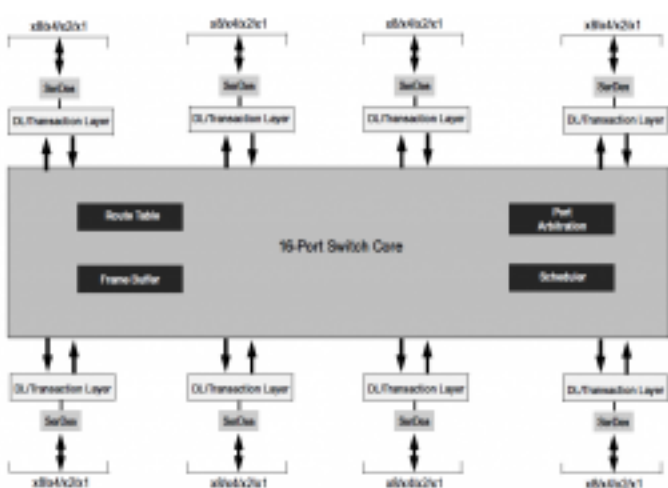
## 89H64H16G2

### 64-lane, 16-port PCIe Gen2 System Interconnect Switch

Provides 64 PCIe Gen2 lanes and 16 ports of high-performance, deterministic system interconnect switching. All ports receive full line rate, non-blocking throughput for multiple traffic flows regardless of switch loading.

#### Features

- 64 PCIe Gen2 Lanes, 16 Switch Ports
- Non-blocking switch architecture optimized for High Performance System Interconnect
- Partionable switch architecture for true multi-root support
- Internal buffering and flow control credits optimized for maximum bandwidth and large payloads
- Low latency, Low power



#### Product Specification

| PCIE LANES (#) | PORTS (#) | PCIE GENERATION | PKG. CODE       | PKG. TYPE | LENGTH (MM) | WIDTH (MM) | TEMP. GRADE |
|----------------|-----------|-----------------|-----------------|-----------|-------------|------------|-------------|
| 64             | 16        | Gen2            | BLG1156, BL1156 | FCBGA     | 35          | 35         | I, C        |

#### Product Options

| ORDERABLE PART ID | PART STATUS | PKG. CODE               | PKG. TYPE | LEAD COUNT (#) | TEMP. GRADE | PB (LEAD) FREE | ORDER                           |
|-------------------|-------------|-------------------------|-----------|----------------|-------------|----------------|---------------------------------|
| 89H64H16G2ZCBL    | Active      | <a href="#">BL1156</a>  | FCBGA     | 1156           | C           | N              | <a href="#">Check Inventory</a> |
| 89H64H16G2ZCBLG   | Active      | <a href="#">BLG1156</a> | FCBGA     | 1156           | C           | Y              | <a href="#">Check Inventory</a> |
| 89H64H16G2ZCBLGI  | Active      | <a href="#">BLG1156</a> | FCBGA     | 1156           | I           | Y              | <a href="#">Check Inventory</a> |

#### Documents

|  | TITLE                                                                             | TYPE▲            | FORMAT | FILE SIZE | DATE       |
|--|-----------------------------------------------------------------------------------|------------------|--------|-----------|------------|
|  | <a href="#">AN-721, IDT PCIe Gen2 Switch Hardware Design Guide</a>                | Application Note | PDF    | 341 KB    | 08/14/2009 |
|  | <a href="#">AN-720, Enabling Hot-Plug in IDT PCIe Gen2 SI Switches</a>            | Application Note | PDF    | 182 KB    | 07/20/2009 |
|  | <a href="#">AN-715, Multi-Port SSC Support in IDT PCIe Gen2 Switches</a>          | Application Note | PDF    | 312 KB    | 10/26/2009 |
|  | <a href="#">PES64H16G2 Data Sheet (myIDT Access Required. Click for details.)</a> | Datasheet        | PDF    | 124 KB    | 09/28/2009 |
|  | <a href="#">IDT PCI Express Solutions Overview</a>                                | Overview         | PDF    | 2.47 MB   | 09/14/2011 |

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