

PRODUCT PROFILE

MCIO is a high-speed board-to-line connection solution developed according to industry specification SFF-TA-1016, board to board or chip to chip connection is established by bridge cable design, provides better signal path length than traditional PCB routing methods, And maintain superior signal integrity and performance. These connectors are suitable for different types of architectures, For example, chip-to-chip, intermediate board to host board, and chip-to-external I/O, to achieve high data rates inside the device. Supports PCIE GEN5&GEN6 protocols . The MCIO supports multiple channel number configurations and matches various outlet modes (Vertical 、 Right Angel) , it's suitable for various communication device transmission speeds and internal installation space scenarios.

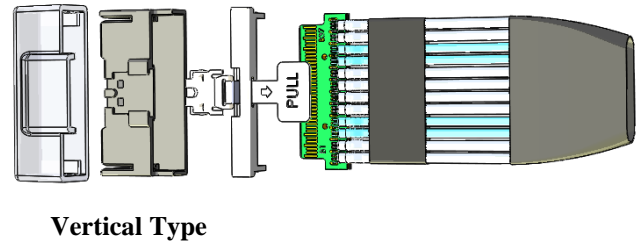
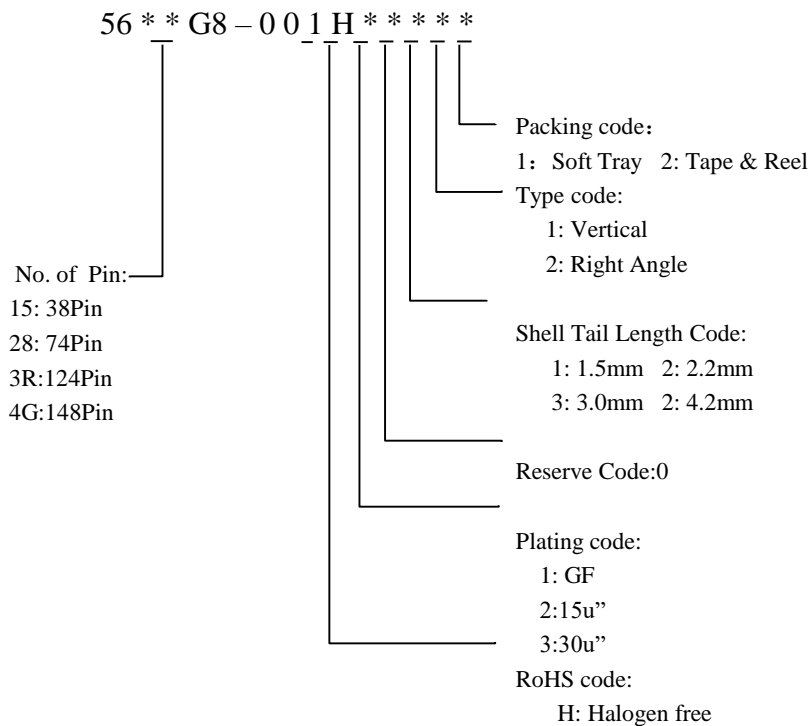
TARGET MARKET

- High-performance computer
- Servers, switches
- Data center, network equipment

TECHNICAL INFORMATION

- Smaller shape space, suitable for high-density small space applications.
- Support 8 GBPS / 16 GBPS / 32 GBPS / 64 GBPS (PAM4) signal transmission.
- Supports various application fields within communication devices.
- Supports hard disk NGFF & NVME data transmission.
- Internal filling with low dielectric constant and low dielectric loss adhesive ensures good electrical performance and stable structure.
- Low transmission differential impedance 85Ω, 100Ω can be selected.
- Selective diversity :4X, 8X, 12X, 16X, 20X, 24X

PART NUMBER DESCRIPTION



MECHANICAL PERFORMANCE

- Insertion force :1.15N/pair Max
- Terminal retention force: 0.10N/pair Min.
- Durability: 200 cycles

ELECTRICAL PERFORMANCE

- Low level contact resistance: 20mΩ initial, Δ10mΩ
- Insulation resistance: 1000MΩ Min.
- Dielectric withstanding voltage: 300VAC.
- Current rating: 1A ,DC per contact

ENVIRONMENTAL

- Flammability: UL 94 V-0
- Low halogen: 1000ppm max Cl, 1000ppm Max Br
- Compliant with RoHS directive 2011/65/EU
- Operating Temperature: -55° C to + 85° C

SPECIFICATION

- JEDEC SPEC:
Industry specification SFF-TA-1016
- DEREN PRODUCT SPEC:
DR-PS-0088