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SFF TA TWG

2022 Review and 2023 Plans

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(SFF TA TWG Co-chairs)

SFF TA TWG 2022 Accomplishments

- SFF TA TWG develops technical specifications for storage media, storage networks, and pluggable solutions that complement existing industry standards work and encompass cables and connectors, form factor sizes and housing dimensions, management interfaces, transceiver interfaces, electrical interfaces and related technologies. These specifications enable technology vendors to produce compatible, multi-sourced products and solutions

- Published or revised/updated 6 specifications:
  - SFF-8024: SFF Module Management Reference Code Tables
  - SFF-8071: SFP+ 1X 0.8mm Card Edge Connector
  - SFF-8402: SFP+ 1X 28 Gb/s Pluggable Transceiver Solution (SFP28)
  - SFF-8419: SFP+ Power and Low Speed Interface
  - SFF-8636: Management Interface for 4-lane Modules and Cables
  - SFF-TA-1009: EDSFF Pin and Signal Specification

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SFF TA TWG Work Items: 20 specifications in process

- SFF-8301: 3.5" Form Factor Drive Dimensions
- SFF-8419: SFP+ Power and Low Speed Interface
- SFF-8613: Mini Multilane 4/8X Unshielded Cage/ Connector (HDun) (MiniSAS HD
- SFF-8614: Mini Multilane 4/8X Shielded Cage/ Connector (HDsh) MiniSAS HD
- SFF-8665: QSFP+ 28 Gb/s 4X Pluggable Transceiver Solution (QSFP28)
- SFF-8679: QSFP+ 4X Hardware and Electrical Specification
- SFF-TA-1002: Protocol Agnostic Multi-Lane High Speed Connector
- SFF-TA-1004: Tunable QSFP+ / QSFP28 Memory Map for ITU Frequencies
- SFF-TA-1008: Enterprise and Datacenter Device Form Factor (E3)
- SFF-TA-1016: Internal Unshielded High Speed Connector System
- SFF-TA-1020: Cables and Connector Variants Based on SFF-TA-1002
- SFF-TA-1024: Test Procedure for SFF-TA-1016 Mated Cable Assembly
- SFF-TA-1025: QSFP56 Electrical
- SFF-TA-1027: QSFP2 Connector, Cage, & Module Specification
- SFF-TA-1028: QSFP112 Electrical
- SFF-TA-1029: Cabled QSFP Cage & Connector
- SFF-TA-1031: Next Generation SFP Cage, Connector, and Module
- SFF-TA-1032: Multi-lane External High Speed Cable System
- SFF-TA-1033: Internal High-Speed Cable / Modular Connector System
- SFF-TA-1034: Pluggable Multi-Purpose Module

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External collaboration

- INCITS
- OIF
- OCP
- JEDEC
- PCI-SIG

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SFF TA TWG Membership (79 Members):

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SFF TA TWG Participation

- Our members include participants involved in ASICs/CPUs, Data centers, interconnects, networking, research, server systems, storage devices, test equipment, and transceivers.

- Benefits:
  - Participation into development of SFF specifications, information documents, and reference guides
  - Ability to open new projects
  - Access to all presentations, drafts, and supplemental material relevant to all SFF projects
  - One of the lowest membership fees around ($1,500/year)

- Resources:
  - How to Join: https://www.snia.org/sff/join
  - Public Site: https://www.snia.org/sff
  - Specifications: https://www.snia.org/sff/specifications
  - Questions about membership? Please send mail to membership@snia.org
  - Additional questions? Please send mail to sff_ta_twgchair@snia.org

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