SFF specifications are available at http://www.snia.org/sff/specifications or ftp://ftp.seagate.com/sff

This specification was developed by the SFF Committee prior to it becoming the SFF TA (Technology Affiliate) TWG (Technical Working Group) of SNIA (Storage Networking Industry Association).

The information below should be used instead of the equivalent herein.

POINTS OF CONTACT:

DOCKET

Chairman SFF TA TWG Email: SFF-Chair@snia.org

If you are interested in participating in the activities of the SFF TWG, the membership application can be found at: http://www.snia.org/sff/join

The complete list of SFF Specifications which have been completed or are currently being worked on can be found at: http://www.snia.org/sff/specifications/SFF-8000.TXT

The operations which complement the SNIA's TWG Policies & Procedures to guide the SFF TWG can be found at: http://www.snia.org/sff/specifications/SFF-8032.PDF

Suggestions for improvement of this specification will be welcome, they should be submitted to: http://www.snia.org/feedback SFF Committee documentation may be purchased in hard copy or electronic form SFF specifications are available at ftp://ftp.seagate.com/sff

SFF-8436 QSFP+ was developed to update this specification

SFF Committee

INF-8438i Specification for

QSFP (Quad Small Formfactor Pluggable) Transceiver

Rev 1.0 November 2006

Secretariat: SFF Committee

Abstract: This specification describes the QSFP (Quad Small Formfactor Pluggable) Transceivers developed by the MSA (Multiple Source Agreement) group. The following companies participated in the MSA:

Avago Technologies Beam Express Emcore Fiber Optics Emulex Fiberxon Finisar Forcel0 Networks Helix AG JDS Uniphase McDATA Merge Optics Molex Opnext Optical Communication Products Picolight QLogic Reflex Photonics The Siemon Company Tyco Electronics Xloom Communications Zarlink Semiconductor

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SFF accepts no responsibility for the validity of the contents.

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DOCKET

I. Dal Allan Chairman SFF Committee 14426 Black Walnut Court Saratoga CA 95070

408-867-6630 endlcom@acm.org

EXPRESSION OF SUPPORT BY MANUFACTURERS

The following member companies of the SFF Committee voted in favor of this industry specification.

AMCC Amphenol Avago Emulex FCI Fujitsu CPA Hewlett Packard Hitachi GST JDS Uniphase Molex Picolight Samsung Sun Microsystems Tyco Vitesse Semiconductor

The following member companies of the SFF Committee voted to abstain on this industry specification.

Clariphy Comax Cortina Systems Foxconn Seagate

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SFF COMMITTEE

The SFF Committee is an industry group. The membership of the committee since its formation in August 1990 has included a mix of companies which are leaders across the industry.

When 2 1/2" diameter disk drives were introduced, there was no commonality on external dimensions e.g. physical size, mounting locations, connector type, connector location, between vendors.

The first use of these disk drives was in specific applications such as laptop portable computers and system integrators worked individually with vendors to develop the packaging. The result was wide diversity, and incompatibility.

The problems faced by integrators, device suppliers, and component suppliers led to the formation of the SFF Committee as an industry ad hoc group to address the marketing and engineering considerations of the emerging new technology.

During the development of the form factor definitions, other activities were suggested because participants in the SFF Committee faced more problems than the physical form factors of disk drives. In November 1992, the charter was expanded to address any issues of general interest and concern to the storage industry. The SFF Committee became a forum for resolving industry issues that are either not addressed by the standards process or need an immediate solution.

Those companies which have agreed to support a specification are identified in the first pages of each SFF Specification. Industry consensus is not an essential requirement to publish an SFF Specification because it is recognized that in an emerging product area, there is room for more than one approach. By making the documentation on competing proposals available, an integrator can examine the alternatives available and select the product that is felt to be most suitable.

SFF Committee meetings are held during T10 weeks (see www.t10.org), and Specific Subject Working Groups are held at the convenience of the participants. Material presented at SFF Committee meetings becomes public domain, and there are no restrictions on the open mailing of material presented at committee meetings.

Most of the specifications developed by the SFF Committee have either been incorporated into standards or adopted as standards by EIA (Electronic Industries Association), ANSI (American National Standards Institute) and IEC (International Electrotechnical Commission).

Suggestions for improvement of this specification will be welcome. They should be sent to the SFF Committee, 14426 Black Walnut Ct, Saratoga, CA 95070.

The complete list of SFF Specifications which have been completed or are currently being worked on by the SFF Committee can be found at:

ftp://ftp.seagate.com/sff/SFF-8000.TXT

If you wish to know more about the SFF Committee, the principles which guide the activities can be found at:

ftp://ftp.seagate.com/sff/SFF-8032.TXT

If you are interested in participating or wish to follow the activities of the SFF Committee, the signup for membership and/or documentation can be found at:

www.sffcommittee.com/ie/join.html

or, the following application can be submitted.

Name:	Title:				
Company:					
Address:					
Phone:	Fax:				
Email:					
Please register me with the SFF Committee for one year.					
Voting Membership w/Electronic documentat		ntation	\$ 2	2,160	
Voting Membership w/Meeting documentat		tion	\$ 1	1,800	
Non-voting Observer w/Electronic documentat		mentation	\$ \$		U.S. Overseas
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