



IBTA **RoCE** Interoperability List

April 2015



These Interoperability results represent system tests and include the testing of the entire environment including device transmitters, cable media and device receivers. The Interoperability results include 40 GbE RoCE devices and QSFP cables.

While every effort was made to test worst-case conditions, results may vary with alternative port configurations, device and cable manufacturing variation, device firmware and software, traffic density and data patterns, temperature variation, etc. The following documentation identifies the test conditions used to obtain these Interoperability results.

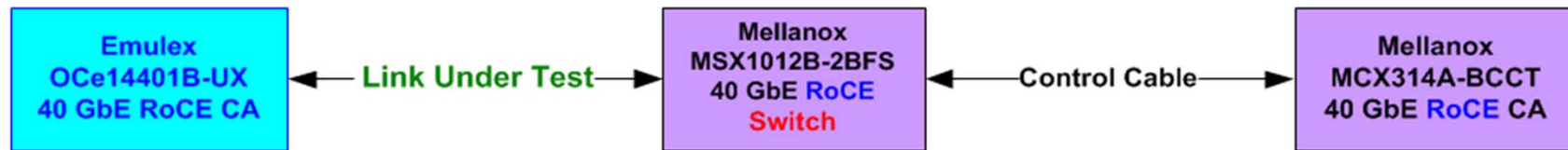
Legend used in Interoperability results	
Interop Legend	Description
Mlnx HCA to Mlnx Switch	Mellanox RoCE CA to Mellanox RoCE Switch
Emulex HCA to Mlnx Switch	Emulex RoCE CA to Mellanox RoCE Switch

Conditions for passing Interop	
Link Width	Link width is at expected width of 4x
Link Speed	Link speed is at expected speed - i.e. 40 GbE
MPI Test	The MPI test must run to completion without error

Manufacturer	Description of Hardware	Model	Type	HW	FW	SW	Speed
Emulex	Channel Adapter individually configurable to NIC, RoCE, iSCSI, or FCoE	OCe14401B-UX	RoCE CA	B0	10.6.88.0	OFED 3.18	40 Gb/s
Mellanox	ConnectX@-3 Pro VPI card, Dual Port, 4X QSFP 40Gb/s Ethernet	MCX314A - BCCT	RoCE CA	A3	2.33.5100	OFED 3.18	40 Gb/s
Mellanox	SwitchX@2 based 40GbE 1U Open Ethernet Switch	MSX1012B-2BFS	Switch	A8	9.2.80	3.3.5006	40 Gb/s

Software	Versions
OFED Version	3.18 GA
Open MPI Used	Open MPI 1.8
Test Plan version	Interoperability Test Plan-v1.51-v5.pdf
Test Duration	3-15 minutes

RoCE Interop - Emulex CA to Mellanox Switch and Mellanox CA



RoCE Interop - Mellanox CA to Mellanox Switch and Mellanox CA





IBTA RoCE Interoperability List

Emulex CA to Mellanox Switch

April 2015



Company Info		Cable Information					RoCE Interop Results	Qualification
Company	Part Number	Width	Len (m)	AWG	Equalization	Type	Emulex RoCE HCA Mellanox RoCE Switch	
3M Company	6C2A-0412A-0	4x	100	50u	Active - Fiber	QSFP	Yes	Tested at PF27
3M Company	6C2A-0412A-0	4x	100	50u	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-002	4x	2	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-010	4x	10	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-020	4x	20	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-040	4x	40	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-045	4x	45	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-100	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-01	4x	1	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD040GVP163D-01	4x	1	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-02	4x	2	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-03	4x	3	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-05	4x	5	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-15	4x	15	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-20	4x	20	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD040GVP163D-20	4x	20	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-25	4x	25	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD040GVP163D-25	4x	25	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-30	4x	30	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-40	4x	40	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-50	4x	50	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-80	4x	80	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-C0	4x	100	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD040GVP163D-C0	4x	100	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	10121178-2010LF	4x	1	30	Unequalized	QSFP	Yes	Tested at PF27
FCI	10121178-2020LF	4x	2	30	Unequalized	QSFP	Yes	Tested at PF27
FCI	10121178-4025LF	4x	2.5	26	Unequalized	QSFP	Yes	Tested at PF27
FCI	10121178-4030LF	4x	3	26	Unequalized	QSFP	Yes	Tested at PF27
Finisar	FCBN410QB1C01	4x	1	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar	FCBN410QB1CX0	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar	FCBN414QB3CX0	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar-RoCE	FCBG410QB1C03	4x	3	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar-RoCE	FTL410QD3C	4x	300	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar-RoCE	FTL410QD3C	4x	300	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujikura Ltd.	FOQSFP-03514-000	4x	35	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujikura Ltd.	FOQSFP-10014-000	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujitsu Component Limited	FPD-201R008-05/4	4x	5	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujitsu Component Limited	FPD-201R008-50/4	4x	50	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujitsu Component Limited	FPD-201R008-50/3	4x	50	N/A	Active - Fiber	QSFP	Yes	Tested at PF27



IBTA RoCE Interoperability List

Emulex CA to Mellanox Switch

April 2015



Company Info		Cable Information					RoCE Interop Results	Qualification
Company	Part Number	Width	Len (m)	AWG	Equalization	Type	Emulex RoCE HCA Mellanox RoCE Switch	
Luxshare-ICT	LA0QF040-SD-R	4x	2.5	33	Full Active - Copper	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF036-SD-R	4x	5.0	30	Full Active - Copper	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF050-SD-R	4x	1.0	30	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF044-SD-R	4x	1.0	30	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF053-SD-R	4x	2.0	28	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF041-SD-R	4x	2.0	28	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF054-SD-R	4x	3.0	28	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF043-SD-R	4x	3.0	28	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-003	4X	3	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206310-005	4X	5	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-005	4X	5	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206310-030	4X	30	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-030	4X	30	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206310-050	4X	50	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-050	4X	50	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206310-100	4X	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-100	4X	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206130-00A	4x	0.5	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207130-00A	4X	0.5	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2206130-001	4x	1	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207130-001	4X	1	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MCP1600-E001	4X	1	26	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207130-0A1	4X	1.5	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MCP1600-E01A	4X	1.5	26	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2206130-002	4x	2	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207130-002	4X	2	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MCP1600-E002	4X	2	26	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207128-0A2	4X	2.5	28	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2206130-003	4x	3	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207128-003	4X	3	28	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MCP1600-E003	4X	3	26	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2206128-004	4x	4	28	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2206128-005	4x	5	25	Unequalized	QSFP	Yes	Tested at PF27
Molex Incorporated	106411-1001	4x	1	NA	Active - Fiber	QSFP	Yes	Tested at PF27
Molex Incorporated	106410-1300	4x	300	NA	Active - Fiber	QSFP	Yes	Tested at PF27
Molex Incorporated	106411-1300	4x	300	NA	Active - Fiber	QSFP	Yes	Tested at PF27
SAE Magnetics	7123-402-02	4x	2	50	Active - Fiber	QSFP	Yes	Tested at PF27
SAE Magnetics	7123-403-02	4x	2	50	Active - Fiber	QSFP	Yes	Tested at PF27
SAE Magnetics	7123-402-99	4x	100	50	Active - Fiber	QSFP	Yes	Tested at PF27



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Emulex CA to Mellanox Switch

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Company Info		Cable Information					RoCE Interop Results	Qualification
Company	Part Number	Width	Len (m)	AWG	Equalization	Type	Emulex RoCE HCA Mellanox RoCE Switch	
SAE Magnetics	7123-403-99	4x	100	50	Active - Fiber	QSFP	Yes	Tested at PF27
Sumitomo	QPPG010G1STYKHM0	4x	1	34	Unequalized	QSFP	Yes	Tested at PF27
Sumitomo	QPPG010G1STYKHM0	4x	3	34	Unequalized	QSFP	Yes	Tested at PF27
Volex	VOHS-10-0004-10M	4x	10	Fiber	Active - Fiber	QSFP	Yes	Tested at PF27
Volex	VAHS-30-0543	4x	0.5	30	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-30-0545	4x	1	30	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-28-0445	4x	2	28	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-30-0544	4x	3	30	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-26-0341	4x	3	26	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-28-0444	4x	4	28	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-25-0060	4x	4	25	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-26-0340	4x	5	26	Unequalized	QSFP	Yes	Tested at PF27



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Mellanox CA to Mellanox Switch

April 2015



Company Info		Cable Information					RoCE Interop Results	Qualification
Company	Part Number	Width	Len (m)	AWG	Equalization	Type	Mellanox RoCE HCA Mellanox RoCE Switch	
3M Company	6C2A-0412A-0	4x	100	50u	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-002	4x	2	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-010	4x	10	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-020	4x	20	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-040	4x	40	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-045	4x	45	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Advanced Photonics, Inc	APFN2-AOC-100	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Amphenol	NAAAEF-0002	4x	2	30	Unequalized	QSFP	Yes	Tested at PF27
Amphenol	NAAAEJ-0003	4x	3	26	Unequalized	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-01	4x	1	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD040GVP163D-01	4x	1	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-02	4x	2	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-03	4x	3	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-05	4x	5	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-15	4x	15	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-20	4x	20	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD040GVP163D-20	4x	20	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-25	4x	25	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD040GVP163D-25	4x	25	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-30	4x	30	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-40	4x	40	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-50	4x	50	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-80	4x	80	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD056GVP163D-C0	4x	100	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	ICD040GVP163D-C0	4x	100	NA	Active - Fiber	QSFP	Yes	Tested at PF27
FCI	10121178-2010LF	4x	1	30	Unequalized	QSFP	Yes	Tested at PF27
FCI	10121178-2020LF	4x	2	30	Unequalized	QSFP	Yes	Tested at PF27
FCI	10121178-4025LF	4x	2.5	26	Unequalized	QSFP	Yes	Tested at PF27
FCI	10121178-4030LF	4x	3	26	Unequalized	QSFP	Yes	Tested at PF27
Finisar	FCBN410QB1C01	4x	1	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar	FCBN410QB1CX0	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar	FCBN414QB3CX0	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar-RoCE	FCBG410QB1C03	4x	3	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar-RoCE	FTL410QD3C	4x	300	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Finisar-RoCE	FTL410QD3C	4x	300	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Foxconn	2GSPGGX-12G	4X	1	30	Unequalized	QSFP	Yes	Tested at PF27
Foxconn	2GSPGGX-10G	4X	2	26	Unequalized	QSFP	Yes	Tested at PF27
Foxconn	2GSPGGX-08G	4X	3	26	Unequalized	QSFP	Yes	Tested at PF27
Fujikura Ltd.	FOQSFP-03514-000	4x	35	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujikura Ltd.	FOQSFP-10014-000	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujitsu Component Limited	FPD-201R008-05/4	4x	5	N/A	Active - Fiber	QSFP	Yes	Tested at PF27



IBTA RoCE Interoperability List

Mellanox CA to Mellanox Switch

April 2015



Company Info		Cable Information					RoCE Interop Results	Qualification
Company	Part Number	Width	Len (m)	AWG	Equalization	Type	Mellanox RoCE HCA Mellanox RoCE Switch	
Fujitsu Component Limited	FPD-202R008-05/3	4x	5	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujitsu Component Limited	FPD-202R008-05/4	4x	5	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujitsu Component Limited	FPD-201R008-50/4	4x	50	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujitsu Component Limited	FPD-201R008-50/3	4x	50	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujitsu Component Limited	FPD-202R008-A0/3	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Fujitsu Component Limited	FPD-202R008-A0/4	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF040-SD-R	4x	2.5	33	Full Active - Copper	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF036-SD-R	4x	5.0	30	Full Active - Copper	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF050-SD-R	4x	1.0	30	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF044-SD-R	4x	1.0	30	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF053-SD-R	4x	2.0	28	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF041-SD-R	4x	2.0	28	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF054-SD-R	4x	3.0	28	Unequalized	QSFP	Yes	Tested at PF27
Luxshare-ICT	LA0QF043-SD-R	4x	3.0	28	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-003	4X	3	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MFA1A00-E003	4X	3	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206310-005	4X	5	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-005	4X	5	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206310-030	4X	30	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-030	4X	30	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MFA1A00-E030	4X	30	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206310-050	4X	50	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-050	4X	50	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MFA1A00-E050	4X	50	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206310-100	4X	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2207310-100	4X	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MFA1A00-E100	4X	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF27
Mellanox	MC2206130-00A	4x	0.5	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207130-00A	4X	0.5	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2206130-001	4x	1	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207130-001	4X	1	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MCP1600-E001	4X	1	26	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207130-0A1	4X	1.5	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MCP1600-E01A	4X	1.5	26	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2206130-002	4x	2	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207130-002	4X	2	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MCP1600-E002	4X	2	26	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207128-0A2	4X	2.5	28	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2206130-003	4x	3	30	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2207128-003	4X	3	28	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MCP1600-E003	4X	3	26	Unequalized	QSFP	Yes	Tested at PF27



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Mellanox CA to Mellanox Switch

April 2015



Company Info		Cable Information					RoCE Interop Results	Qualification
Company	Part Number	Width	Len (m)	AWG	Equalization	Type	Mellanox RoCE HCA Mellanox RoCE Switch	
Mellanox	MC2206128-004	4x	4	28	Unequalized	QSFP	Yes	Tested at PF27
Mellanox	MC2206128-005	4x	5	25	Unequalized	QSFP	Yes	Tested at PF27
Molex Incorporated	106411-1001	4x	1	NA	Active - Fiber	QSFP	Yes	Tested at PF27
Molex Incorporated	106410-1300	4x	300	NA	Active - Fiber	QSFP	Yes	Tested at PF27
Molex Incorporated	106411-1300	4x	300	NA	Active - Fiber	QSFP	Yes	Tested at PF27
Molex Incorporated	100297-1015	4x	0.5	32	Unequalized	QSFP	Yes	Tested at PF27
Molex Incorporated	100297-1101	4x	1	30	Unequalized	QSFP	Yes	Tested at PF27
Molex Incorporated	100297-3301	4x	3	25	Unequalized	QSFP	Yes	Tested at PF27
SAE Magnetics	7123-402-02	4x	2	50	Active - Fiber	QSFP	Yes	Tested at PF27
SAE Magnetics	7123-403-02	4x	2	50	Active - Fiber	QSFP	Yes	Tested at PF27
SAE Magnetics	7123-402-99	4x	100	50	Active - Fiber	QSFP	Yes	Tested at PF27
SAE Magnetics	7123-403-99	4x	100	50	Active - Fiber	QSFP	Yes	Tested at PF27
Sumitomo	QPPG010G1STYKHM0	4x	1	34	Unequalized	QSFP	Yes	Tested at PF27
Sumitomo	Q2PJ010L1STYKHM0	4x	1	28	Unequalized	QSFP	Yes	Tested at PF27
Sumitomo	Q2PJ020P1STYKHM0	4x	2	28	Unequalized	QSFP	Yes	Tested at PF27
Sumitomo	QPPG010G1STYKHM0	4x	3	34	Unequalized	QSFP	Yes	Tested at PF27
Volex	VOHS-10-0004-10M	4x	10	Fiber	Active - Fiber	QSFP	Yes	Tested at PF27
Volex	VAHS-30-0543	4x	0.5	30	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-30-0545	4x	1	30	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-30-0542	4x	1	30	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-28-0445	4x	2	28	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-28-0442	4x	2	28	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-26-0339	4x	2	26	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-30-0544	4x	3	30	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-26-0341	4x	3	26	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-24-0306	4x	3	24	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-28-0444	4x	4	28	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-25-0060	4x	4	25	Unequalized	QSFP	Yes	Tested at PF27
Volex	VAHS-26-0340	4x	5	26	Unequalized	QSFP	Yes	Tested at PF27