

Leviton Cabling Guide for Cisco 100G, 400G, and 800G Optics

OPT-X™ HDX Connectivity Platform



100G QSFP28 MODULES													
Cisco P/N	Media Connector Interface		Breakout	B/O Media Connector Interface	Leviton Near End Cassette P/N	Leviton Trunk Connector BASE	Leviton Far End Cassette P/N	Leviton Far End Breakout Cassette P/N	Breakout Lane Speed	Example (Near End/Far End)	Number of Native Ports per cassette	HDX Example (Breakout Side)	Number of Breakout Ports per cassette
QSFP-100G-SR4-S	MM	MPO12	Yes 4 x SFP-25G-SR-S	LC	42NM2-S5C	24	42NM2-S5C	42LSM2-21C	25G		3		12
					42NM4-BCN	12	42NM4-BEN	N/A	N/A		3	N/A	N/A
					5FUHD-6MP	8 or 12	5FUHD-6MP	42LSM1-41C	25G		6		12
QSFP-40/100G-SRBD	MM	LC	No	N/A	42LM2-21C	24	42LM2-21C	N/A	N/A		12	N/A	N/A
					41LSM1-UNN	12	41LSM1-UNN	N/A	N/A		6	N/A	N/A
					48LSM1-41C	8 or 12	48LSM1-41C	N/A	N/A		4	N/A	N/A
QSFP-100G-PSM4-S	SM	MPO12	Yes 4 x SFP-25G-LR-S	LC	U2NM2-S5C	24	U2NM2-S5C	U2LM2-21C	25G		3		12
					U2MM1-BCN	12	U2MM1-BEN	U1LSM1-UNN	25G		3		6
					5FUHD-6MP	8 or 12	U2MM1-BEN	U2LSM1-41C	25G		6		12

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100G QSFP28 MODULES (CONTINUE)													
Cisco P/N	Media Connector Interface		Breakout	B/O Media Connector Interface	Leviton Near End Cassette P/N	Leviton Trunk Connector BASE	Leviton Far End Cassette P/N	Leviton Far End Breakout Cassette P/N	Breakout Lane Speed	Example (Near End/Far End)	Number of Native Ports per cassette	HDX Example (Breakout Side)	Number of Breakout Ports per cassette
QSFP-100G-SM-SR	SM	LC	No	N/A	U2LM2-21C	24	U2LM2-21C	N/A	N/A		12	N/A	N/A
					U1LSM1-UNN	12	U1LSM1-UNN	N/A	N/A		6	N/A	N/A
					U8LSM1-41C	8 or 12	U1LSM1-UNN	N/A	N/A		4	N/A	N/A
400G QSFP112 MODULES													
Cisco P/N	Media Connector Interface		Breakout	B/O Media Connector Interface	Leviton Near End Cassette P/N	Leviton Trunk Connector BASE	Leviton Far End Cassette P/N	Leviton Far End Breakout Cassette P/N	Breakout Lane Speed	Example (Near End/Far End)	Number of Native Ports per cassette	HDX Example (Breakout Side)	Number of Breakout Ports per cassette
QSFP-400G-VR4	MM	MPO-12 APC	Yes 4x 100G to QSFP-100G-VR/SR	LC	42NM2-S5C	24	42NM2-S5C	42LSM2-21C	25G		3		12
					42NM4-BCN	12	42NM4-BEN	N/A	N/A		3	N/A	N/A
					5FUHD-6MP	8 or 12	5FUHD-6MP	42LSM1-41C	25G		6		12
QSFP-400G-DR4	SM	MPO-12	Yes 4x 100G to QSFP-100G-DR-S	LC	U2NM2-S5C	24	U2NM2-S5C	U2LM2-21C	100G		3		12
					U2MM1-BCN	12	U2MM1-BEN	U1LSM1-UNN	100G		3		6
					5FUHD-6MP	8 or 12	5FUHD-6MP	U2LSM1-41C	100G		6		12

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400G QSFP-DD MODULES													
Cisco P/N	Media Connector Interface		Breakout	B/O Media Connector Interface	Leviton Near End Cassette P/N	Leviton Trunk Connector BASE	Leviton Far End Cassette P/N	Leviton Far End Breakout Cassette P/N	Breakout Lane Speed	Example (Near End/Far End)	Number of Native Ports per cassette	HDX Example (Breakout Side)	Number of Breakout Ports per cassette
QDD-400G-SR4-BD	MM	MPO12	Yes 4 x QSFP-40/100G-SRBD	LC	42NM2-S5C	24	42NM2-S5C	42LSM2-21C	100G		3		12
					42NM4-BCN	12	42NM4-BEN	41LSM1-UNN	100G		3	N/A	N/A
					5FUHD-6MP	8 or 12	5FUHD-6MP	42LSM1-41C	100G		6		12
QSFP-400G-SR4.2	MM	MPO12	Yes 4 x QSFP-100G-SR1.2	LC	42NM2-S5C	24	42NM2-S5C	42LSM2-21C	100G		3		12
					42NM4-BCN	12	42NM4-BEN	41LSM1-UNN	100G		3		6
					5FUHD-6MP	8 or 12	5FUHD-6MP	42LSM1-41C	100G		6		12
QDD-400G-FR4-S	SM	LC	No	N/A	U2LM2-21C	24	U2LM2-21C	N/A	N/A		12	N/A	N/A
					U1LSM1-UNN	12	U1LSM1-UNN	N/A	N/A		6	N/A	N/A
					U8LSM1-41C	8 or 12	U8LSM1-41C	N/A	N/A		4	N/A	N/A
QSFP-400G-SR8-S	MM	MPO16	Yes 8 x SFP-50G-SR-S		S44TM2-JUP	24	S44TM2-JUP	S46LSM2-JUP	50G		N/A		N/A
QSFP-400G-SR8-S	MM	MPO16	Yes 2 x 400GBASE-SR4		S44TM2-JUP	24	S44TM2-JUP	S46LSM2-JUP	50G		N/A		N/A
QSFP-400G-SR8-S	MM	MPO16	Yes 4x 200GBASE-SR4		S44TM2-JUP	24	S44TM2-JUP	S46LSM2-JUP	50G		N/A		N/A

Note: Above does not include Long Reach and Extended Reach Modules (LR4, ER4)

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e2XHD Connectivity Platform



100G QSFP28 MODULES													
Cisco P/N	Media Connector Interface		Breakout	B/O Media Connector Interface	Leviton Near End Cassette P/N	Leviton Trunk Connector BASE	Leviton Far End Cassette P/N	Leviton Far End Breakout Cassette P/N	Breakout Lane Speed	Example (Near End/Far End)	Number of Native Ports per cassette	HDX Example (Breakout Side)	Number of Breakout Ports per cassette
QSFP-100G-SR4-S	MM	MPO12	Yes 4 x SFP-25G-SR-S	LC	ULE2XHD-F024NHKDS5	24	ULE2XHD-F024NHKDS5	ULE2XHD-F024CSHQES4	25G		3		12
					E2XHD-4MP	12	N/A	ULE2XHD-F012CSKQDU	25G		4		4 Active / 6
					E2XHD-4MP	8 or 12	N/A	ULE2XHD-F008CSKQDJ	25G		4		4
QSFP-40/100G-SRBD	MM	LC	No	N/A	ULE2XHD-F024CHQES4	24	ULE2XHD-F024CHQES4	N/A	N/A		12	N/A	N/A
					ULE2XHD-F012CSKQDU	12	ULE2XHD-F012CSKQDU	N/A	N/A		6	N/A	N/A
					ULE2XHD-F008CSKQDJ	8 or 12	ULE2XHD-F008CSKQDJ	N/A	N/A		4	N/A	N/A
QSFP-100G-PSM4-S	SM	MPO12	Yes 4 x SFP-25G-LR-S	LC	ULE2XHD-A024NHKDS5	24	ULE2XHD-A024NHKDS5	ULE2XHD-A024CHLES4	25G		3		12
					E2XHD-4MP	12	N/A	ULE2XHD-A012CSKLDU	25G		4		4 Active / 6
					E2XHD-4MP	8 or 12	E2XHD-4MP	N/A	25G		4	N/A	12

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100G QSFP28 MODULES (CONTINUE)													
Cisco P/N	Media Connector Interface		Breakout	B/O Media Connector Interface	Leviton Near End Cassette P/N	Leviton Trunk Connector BASE	Leviton Far End Cassette P/N	Leviton Far End Breakout Cassette P/N	Breakout Lane Speed	Example (Near End/Far End)	Number of Native Ports per cassette	HDX Example (Breakout Side)	Number of Breakout Ports per cassette
QSFP-100G-SM-SR	SM	LC	No	N/A	ULE2XHD-A024CHLES4	24	ULE2XHD-A024CHLES4	N/A	N/A		12	N/A	N/A
					ULE2XHD-A012CSKLDU	12	ULE2XHD-A012CSKLDU	N/A	N/A		6	N/A	N/A
					ULE2XHD-F008CSKQDJ	8 or 12	ULE2XHD-F008CSKQDJ	N/A	N/A		4	N/A	N/A
400G QSFP112 MODULES													
Cisco P/N	Media Connector Interface		Breakout	B/O Media Connector Interface	Leviton Near End Cassette P/N	Leviton Trunk Connector BASE	Leviton Far End Cassette P/N	Leviton Far End Breakout Cassette P/N	Breakout Lane Speed	Example (Near End/Far End)	Number of Native Ports per cassette	HDX Example (Breakout Side)	Number of Breakout Ports per cassette
QSFP-400G-VR4	MM	MPO-12 APC	Yes 4x 100G to QSFP28 100GBASE-VR1/SR1	Duplex LC	ULE2XHD-F024NHKDS5	24	ULE2XHD-F024NHKDS5	ULE2XHD-F024CSHQES4	100G		3		12
					E2XHD-4MP	12	N/A	ULE2XHD-F012CSKQDU	100G		4		4 Active / 6
					E2XHD-4MP	8 or 12	N/A	ULE2XHD-F008CSKQDJ	100G		4		4
QSFP-400G-DR4	SM	MPO-12	Yes 4x 100G to QSFP-100G-DR-S	LC	ULE2XHD-A024NHKDS5	24	ULE2XHD-A024NHKDS5	ULE2XHD-A024CHLES4	100G		3		12
					E2XHD-4MP	12	N/A	ULE2XHD-A012CSKLDU	100G		4		4 Active / 6
					E2XHD-4MP	8 or 12	E2XHD-4MP	N/A	100G		4	N/A	12

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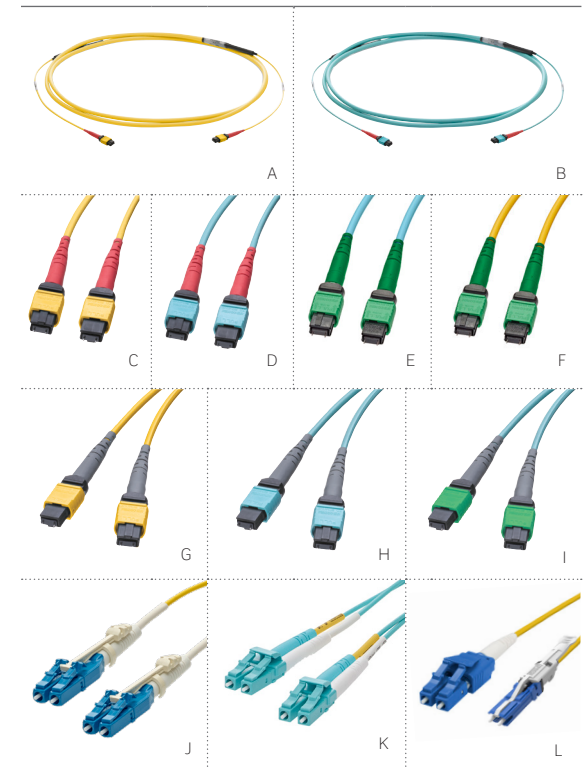
400G QSFP-DD MODULES													
Cisco P/N	Media Connector Interface		Breakout	B/O Media Connector Interface	Leviton Near End Cassette P/N	Leviton Trunk Connector BASE	Leviton Far End Cassette P/N	Leviton Far End Breakout Cassette P/N	Breakout Lane Speed	Example (Near End/Far End)	Number of Native Ports per cassette	HDX Example (Breakout Side)	Number of Breakout Ports per cassette
QDD-400G-SR4-BD	MM	MPO12	Yes 4 x QSFP-40/100G-SRBD	LC	ULE2XHD-F024NHKDS5	24	ULE2XHD-F024NHKDS5	ULE2XHD-F024CSHQES4	100G		3		12
					E2XHD-4MP	12	N/A	ULE2XHD-F012CSKQDU	100G		3		4 Active / 6
					E2XHD-4MP	8 or 12	N/A	ULE2XHD-F008CSKQDJ	100G		4		4
QSFP-400G-SR4.2	MM	MPO12	Yes 4 x QSFP-100G-SR1.2	LC	ULE2XHD-F024NHKDS5	24	ULE2XHD-F024NHKDS5	ULE2XHD-F024CSHQES4	100G		3		12
					E2XHD-4MP	12	N/A	ULE2XHD-F012CSKQDU	100G		3		4 Active / 6
					E2XHD-4MP	8 or 12	N/A	ULE2XHD-F008CSKQDJ	100G		4		4
QDD-400G-FR4-S	SM	LC	No	N/A	FME2XHD-A024CKLEA	24	FME2XHD-A024CKLEA	N/A	N/A		12	N/A	N/A
					ULE2XHD-A012CSLLDU	12	ULE2XHD-A012CSLLDU	N/A	N/A		6	N/A	N/A
					ULE2XHD-A008CSLLDJ	8 or 12	ULE2XHD-A008CSLLDJ	N/A	N/A		4	N/A	N/A

Note: Above does not include Long Reach and Extended Reach Modules (LR4, ER4)

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BASIC CABLING COMPONENTS			
Description	Leviton Plenum P/N	Leviton LSZH P/N	
24F MTP®-MTP Trunk, OS2	FTU-AW4024JxxxM36C36CN-NNBS	FTU-AZ024Jyyyy09C09CN-NNBS	[A]
24F MTP-MTP Trunk, OM4	FTU-FW4024JxxxM36C36CN-NNBS	FTU-FZ024Jyyyy09C09CN-NNBS	[B]
24F Array Cord, OS2	ULUP4JJ-BxxxM	ULUP4CJJ-Byyyy-S	[C]
24F Array Cord, OM4	UL544JJ-BxxxM	UL544CJJ-Byyyy-S	[D]
16F Array Cord, OM4 APC	546PSS-ByyyyM	546CSS-Byyyy-S	[E]
16F Array Cord, OS2	UP6PSS-ByyyyM	UP6CSS-Byyyy-S	[F]
8F Array Cord, OS2	UP8FMM-ByyyyM	UP8CMM-Byyyy-S	[G]
8F Array Cord, OM4	548FMM-ByyyyM	548CMM-Byyyy-S	[H]
8F Array Cord, OM4 APC	548FGG-ByyyyM	548CGG-Byyyy-S	[I]
LC-LC Patch Cord, OS2	PCF-S2PR2VV-yyyyMAB	VPC-S2R2LULUyyyy	[J]
LC-LC Patch Cord, OM4	PCF-M4PD1RR-yyyyMAB	VPC-M4D1LCLCyyyy	[K]
CS - LC Patch Cord, OS2	FPC-S2PR2VJ-xxxMAB	PCF-S2LR2VJ-yyyyMAB	[L]

xxx = Length in whole digits (Ex. "050 is 50 ft/m overall length)
 yyyy = Length including one decimal place (Ex. "0500 is 50 ft/m in overall length, "0505" is 50.5 ft/m in overall length)
 Trunk Fiber Count: replace "024" in part number with 012, 048, 096, or 144
 MTP is a registered trademark of US Conec, Ltd.



CISCO TRANSCEIVER EXAMPLES



QSFP-40/100-SRBD

QSFP-100G-CWDM4-S

QSFP-100G-SR4-S

OSFP-800G-DR8

OSFP-800G-DR8P

OSFP-800G-VR8