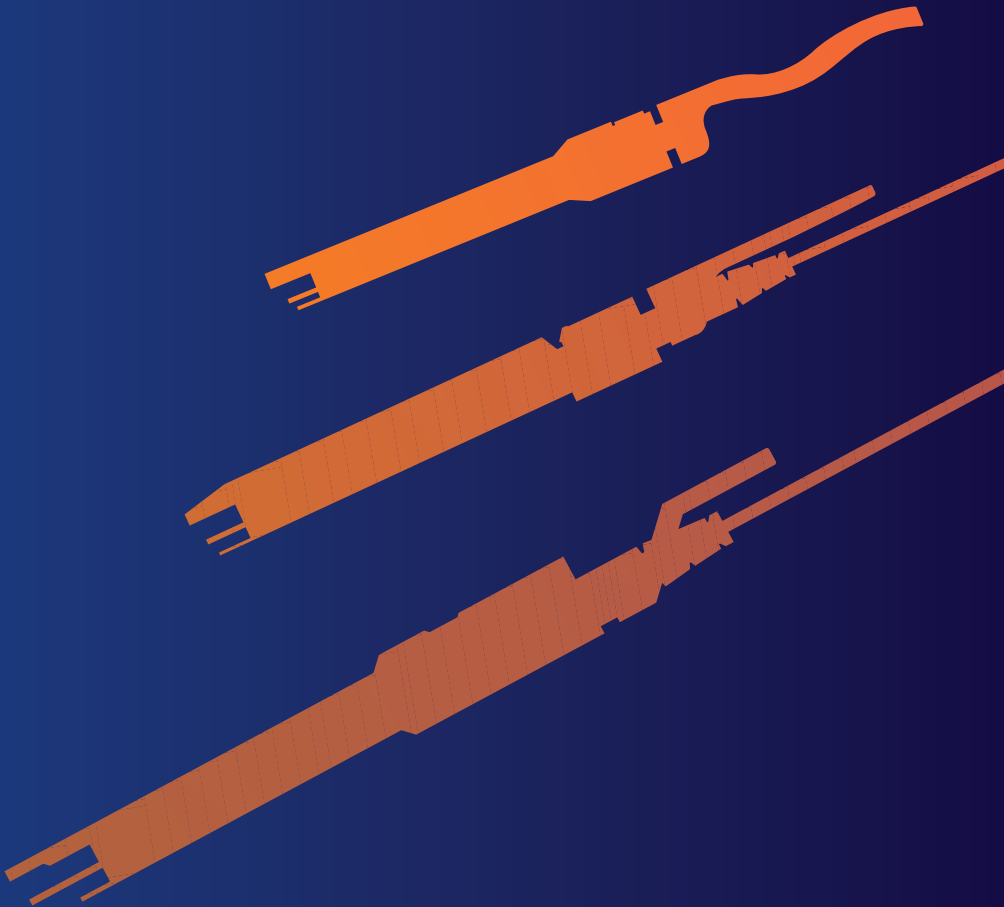


# INFRAEO

**DAC | ACC | AEC | AOC**  
**Transceiver | Loopback**

*Ethernet | UEC | InfiniBand*

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- ▶ Millions of Units Shipped per Year
- ▶ Mexico / South Asia / China Production
- ▶ Full Portfolio Up to 1.6T
- ▶ Immersion Cooling Compatible
- ▶ Multimode LPO Production Ready



USA Headquarters - 101 E Old Settlers Ste 160, Round Rock, TX, 78664  
 sales@infraeo.com  
 www.infraeo.com

**Featured Products:**

**Direct Attached Cable**



**1.6T OSFP DAC**

**KEY FEATURES**

- ▶ Link length up to 1.5m
- ▶ Data rate up to PAM4 212.5Gbps per channel
- ▶ Flexible cable and bending insensitive
- ▶ Compliant with IEE802.3dj, CMIS5.0

**Active Copper Cable**



**1.6T OSFP ACC**

**KEY FEATURES**

- ▶ Link length up to 3m
- ▶ Data rate up to PAM4 212.5Gbps per channel
- ▶ Flexible cable and bending insensitive
- ▶ Compliant with IEE802.3dj, CMIS5.0

**Active Optical Cable**



**OSFP/ QSFP-DD/  
QSFP112 Linear Direct  
Drive AOC**

**KEY FEATURES**

- ▶ Low power at 4.5W per end
- ▶ Interop with Broadcom & Mellanox NIC
- ▶ BERT 1E-8 or better up to 100m
- ▶ Data rate up to 112Gbps PAM4 per channel

**Active Electrical Cable**



**1.6T OSFP AEC**

**KEY FEATURES**

- ▶ Link length up to 3m
- ▶ Data rate up to PAM4 212.5Gbps per channel
- ▶ Flexible cable and bending insensitive
- ▶ Compliant with IEE802.3dj, CMIS5.0

## Featured Products:

### Transceivers



#### 800G OSFP SR8 Transceiver

##### KEY FEATURES

- ▶ Hot-pluggable, multimode
- ▶ Compliant with OSFP MSA Closed Finned Top with dual MPO-12 connector, Compliant with CMIS Rev 4.0
- ▶ Maximum power consumption 14W
- ▶ Up to 30m reach on MMF OM3 and 50m on Om4



#### 400G OSFP SR4 Transceiver

##### KEY FEATURES

- ▶ Hot-pluggable, multimode
- ▶ Compliant with OSFP MSA/CMIS Rev 4.0
- ▶ Maximum power consumption 8.5W
- ▶ Up to 30m reach on MMF OM3 and 50m on Om4



#### 400G QSFP-DD SR4 Transceiver

##### KEY FEATURES

- ▶ Hot-pluggable QSFP-DD multimode transceiver
- ▶ Reach up to 30m on MMF(OM3) or 50m on MMF(OM4)
- ▶ Power consumption <7 W
- ▶ Compliant with QSFP-DD CMIS Rev 4.0

### LPO Transceivers & AOC



800G OSFP SR8 LPO  
800G QSFP-DD SR8 LPO  
400G OSFP SR8 LPO  
400G QSFP-DD SR8 LPO  
400G QSFP112 SR4 LPO  
200G QSFP-DD SR8 LPO  
200G QSFP56 SR4 LPO

##### KEY FEATURES

- ▶ Lower power consumption (6W at full capacity)
- ▶ More cost effective
- ▶ Lower latency

### Immersion Cooling Transceivers



800G OSFP SR8 Immersion Pigtail  
400G QSFP112 SR4 Immersion Pigtail  
400G OSFP-RHS SR4 Immersion Pigtail  
400G QSFP-DD SR4 Immersion Pigtail

##### KEY FEATURES

- ▶ Patent pending sealing technology
- ▶ Compatible with both single-phase and 2-phase coolants
- ▶ Applicable to both LPO and DSP optics

## Loopbacks

### Loopbacks

Loopback		
Model Number	Standard Compliance	Description
T-200-O-ALB-600	IEEE 802.3dj, CMIS 5.0	1.6T, OSFP1600, Type2, Flat-top, Active Linear Equalized, Programmable Loopback Tester, 60W
T-200-O-AELB-600	IEEE 802.3dj, CMIS 5.0	1.6T, OSFP1600, Type2, Flat-top, Active Retimered Programmable Loopback Tester, 60W
T-200-OF-LB-600	IEEE 802.3dj, CMIS 5.0	1.6T, OSFP1600, Finned-top, Programmable Loopback Tester, 60W
T-200-OF-LB-000	IEEE 802.3dj, CMIS 5.0	1.6T, OSFP1600, Finned-top, Loopback Tester, 0W
T-200-OR-LB-600	IEEE 802.3dj, CMIS 5.0	1.6T, OSFP-RHS, Programmable Loopback Tester, 60W
T-200-OR-LB-000	IEEE 802.3dj, CMIS 5.0	1.6T, OSFP-RHS, Loopback Tester, 0W
T-100-OD-LB-500	IEEE 802.3ck, CMIS 5.0	1.6T, OSFP-XD, Finned-top, Programmable Loopback Tester, 50W
T-100-OD-LB-000	IEEE 802.3ck, CMIS 5.0	1.6T, OSFP-XD, Finned-top, Loopback tester, 0W
T-100-QD-LB-300	IEEE 802.3ck, CMIS 5.0	800G, QSFP-DD800, Programmable Loopback Tester, 30W
T-100-QD-LB-000	IEEE 802.3ck, CMIS 5.0	800G, QSFP-DD800, Loopback Tester, 0W
T-100-O-AELB-300	IEEE 802.3ck, CMIS 5.0	800G, OSFP800, Type2, Flat-top, Active Retimered Programmable Loopback Tester, 30W
T-100-O-LB-300	IEEE 802.3ck, CMIS 5.0	800G, OSFP800, Type2, Flat-top, Programmable Loopback Tester, 30W
T-100-O-LB-000	IEEE 802.3ck, CMIS 5.0	800G, OSFP800, Type2, Flat-top, Loopback Tester, 0W
T-100-OR-LB-300	IEEE 802.3ck, CMIS 5.0	800G, OSFP-RHS, Programmable Loopback Tester, 30W
T-100-OR-LB-000	IEEE 802.3ck, CMIS 5.0	800G, OSFP-RHS, Loopback Tester, 0W
T-100-Q-AELB-150	IEEE 802.3ck, CMIS 5.0	400G, QSFP112, Active Retimered Programmable Loopback Tester, 15W
T-100-Q-LB-200	IEEE 802.3ck, CMIS 5.0	400G, QSFP112, Programmable Loopback Tester, 20W
T-100-Q-LB-000	IEEE 802.3ck, CMIS 5.0	400G, QSFP112, Loopback Tester, 0W
T-50-QD-LB-300	IEEE 802.3cd, CMIS 5.0	400G, QSFP-DD, Programmable Loopback Tester, 30W
T-50-QD-LB-000	IEEE 802.3cd, CMIS 5.0	400G, QSFP-DD, Loopback Tester, 0W
T-50-O-LB-300	IEEE 802.3cd, CMIS 5.0	400G, OSFP, Programmable Loopback Tester, 30W
T-50-O-LB-000	IEEE 802.3cd, CMIS 5.0	400G, OSFP, Loopback Tester, 0W
T-50-Q-AELB-150	IEEE 802.3cd,SFF-8636	200G, QSFP56, Active Retimered Programmable Loopback Tester, 15W
T-50-Q-LB-070	IEEE 802.3cd,SFF-8636	200G, QSFP56, Programmable Loopback Tester, 7.0W
T-50-Q-LB-000	IEEE 802.3cd,SFF-8636	200G, QSFP56, Loopback Tester, 0W
T-25-Q-LB-070	IEEE 802.3cd,SFF-8636	100G, QSFP28, Programmable Loopback Tester, 7.0W
T-25-Q-LB-000	IEEE 802.3cd,SFF-8636	100G, QSFP28, Loopback Tester, 0W
T-50-S-LB-025	IEEE 802.3cd,SFF-8472	50G, SFP56, Programmable Loopback Tester, 2.5W
T-50-S-LB-000	IEEE 802.3cd,SFF-8472	50G, SFP56, Loopback Tester, 0W
T-25-S-LB-025	IEEE 802.3cd,SFF-8472	25G, SFP28, Programmable Loopback Tester, 2.5W
T-25-S-LB-000	IEEE 802.3cd,SFF-8472	25G, SFP28, Loopback Tester, 0W

# InfiniBand

## Transceiver

Transceiver	InfiniBand	
Model Number	Nvidia Part Number	Description
O-100N-O-SR8	MMA4Z00-NS	Twin port, IB NDR, 800Gb/s, 2x 400Gb/s, OSFP, 2xMPO, 850nm MMF, SR8, up to 50m, Open finned top
O-100N-OC-SR8	MMA4Z00-NS-FLT	Twin port, IB NDR, 800Gb/s, 2x 400Gb/s, OSFP, 2xMPO, 850nm MMF, SR8, up to 50m, Closed finned top
O-100N-O-DR8	MMS4X00-NM	Twin port, IB NDR, 800Gb/s, 2x 400Gb/s, OSFP, 2x MPO, 1310nm SMF, DR8, up to 500m, Open finned top
O-100N-OC-DR8	MMS4X00-NM-FLT	Twin port, IB NDR, 800Gb/s, 2x 400Gb/s, OSFP, 2x MPO, 1310nm SMF, DR8, up to 500m, Closed finned top
O-100N-O-2FR4	MMS4X50-NM	Twin port, IB NDR, 800Gbps, 2xFR4, 2xNDR, OSFP, 2xLC-LC, 1310nm SMF, up to 2km, Open finned top
O-100N-OR-SR4	MMA4Z00-NS400	Single port, IB NDR, 400Gb/s, OSFP, MPO, 850nm MMF, SR4, up to 50m, flat top RHS
O-100N-Q-SR4	MMA1Z00-NS400	Single port, IB NDR, 400Gb/s, QSFP112, MPO, 850nm MMF, SR4, up to 100m
O-100N-OR-DR4	MMS4X00-NS400	Single port, IB NDR, 400Gb/s, OSFP, MPO, 1310nm SMF, DR4, up to 500m Flat top RHS
O-50H-Q-SR4	MMA1T00-HS	IB HDR, 200Gb/s, QSFP56, MPO, 850nm, SR4, up to 100m
O-50H-Q-FR4	MMS1W50-HM	IB HDR, 200Gb/s, QSFP56, LC-LC, 1310nm, FR4, up to 2km
OL-100N-Q-SR4	MMA1Z00-NS400**	Single port, IB NDR, 400Gb/s, QSFP112, Linear Direct Drive/LPO, MPO, 850nm MMF, SR4, up to 30m
OL-50H-Q-SR4	MMA1T00-HS**	IB HDR, 200Gb/s, QSFP56 LPO, MPO, 850nm, SR4, up to 100m

## Active Optical Cable

AOC	InfiniBand	
Model Number	Nvidia Part Number	Description
O-50H-Q-2Q-XXX	MFA7U10-HXXX	Active optical splitter cable, IB HDR, 400Gb/s to 2x200Gb/s, OSFP56 to 2xQSFP56, 3m-50m
XXX=030, 050, 100, 150, 200, 300, 500	XXX=003, 005, 010, 015, 020, 030, 050	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m
O-50H-Q-Q-XXX	MFS1S00-HXXXV	Active optical cable, 200Gb/s, IB HDR, QSFP56 to QSFP56, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	XXX=003, 005, 010, 015, 020, 030, 050, 100	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
O-50H-Q-2Q-XXX	MFS1S50-HXXXV	Active optical splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, 3m-100m
XXX=030, 050, 100, 150, 200, 300	XXX=003, 005, 010, 015, 020, 030	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m
OL-50H-Q-Q-XXX	MFS1S00-HXXXV**	Active optical cable, 200Gb/s, IB HDR, QSFP56 to QSFP56 Linear Direct Drive, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	XXX=003, 005, 010, 015, 020, 030, 050, 100	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
OL-50H-Q-2Q-XXX	MFS1S50-HXXXV**	Active optical splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 Linear Direct Drive, 3m-100m
XXX=030, 050, 100, 150, 200, 300	XXX=003, 005, 010, 015, 020, 030	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m

## Direct Attached Cable

DAC	InfiniBand	
Model Number	Nvidia Part Number	Description
P-200X-OC-OC-XXXB	-	1.6Tb/s, IB XDR, OSFP1600 to OSFP1600, 0.5m-1.5m
XXX=005, 010, 015	-	XXXB: 005B=0.5m, 010B=1m, 015B=1.5m
P-100N-O-2OR-XXXB	MCP7Y00-NXXX	Splitter cable, IB NDR, 800Gb/s to 2x400Gb/s, OSFP open finned top to 2x OSFP-RHS, 1m-3m
XXX=010, 015, 020, 030	XXX=001, 001A, 002, 003	XXXB: 010B=1m, 015B=1.5m, 020B=2m, 030B=3m
P-100N-O-4OR-XXXB	MCP7Y50-NXXX	Splitter cable, IB NDR, 800Gb/s to 4x400Gb/s, OSFP open finned top to 2x OSFP-RHS, 1m-3m
XXX=010, 015, 020, 030	XXX=001, 001A, 002, 003	XXXB: 010B=1m, 015B=1.5m, 020B=2m, 030B=3m
P-100N-O-2Q-XXXB	MCP7Y10-NXXX	Splitter cable, IB NDR, 800Gb/s to 2x400Gb/s, OSFP finned top to 2x QSFP112 flat top, 1m-3m
XXX=010, 015, 020, 030	XXX=001, 001A, 002, 003	XXXB: 010B=1m, 015B=1.5m, 020B=2m, 030B=3m
P-100N-O-4Q-XXXB	MCP7Y40-NXXX	Splitter cable, IB NDR, 800Gb/s to 4x200Gb/s, OSFP finned top to 4x QSFP112 flat top, 1m-3m
XXX=010, 015, 020, 030	XXX=001, 001A, 002, 003	XXXB: 010B=1m, 015B=1.5m, 020B=2m, 030B=3m
P-100N-O-O-XXXB	MCP4Y10-NXXX	800Gb/s, IB NDR, OSFP to OSFP, 1m-3m
XXX=010, 015, 020, 030	XXX=001, 001A, 002, 003	XXXB: 010B=1m, 015B=1.5m, 020B=2m, 030B=3m
P-50H-O-2Q-XXXB	MCP7Y60-HXXX	Splitter cable, IB HDR, 400Gb/s to 2x200Gb/s, OSFP to 2xQSFP56, 1m-2m
XXX=010, 015, 020	XXX=001, 001A, 002	XXXB: 010B=1m, 015B=1.5m, 020B=2m
P-50H-O-4Q-XXXB	MCP7Y70-HXXX	Splitter cable, IB HDR, 400Gb/s to 4x100Gb/s, OSFP to 4xQSFP56, 1m-2m
XXX=010, 015, 020	XXX=001, 001A, 002	XXXB: 010B=1m, 015B=1.5m, 020B=2m
P-50H-Q-2Q-XXXB	MCP7H50-H0XXXX	Splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, 1m-2m
XXX=010, 015, 020	XXXXX=01R30, 1AR30, 02R26	XXXB: 010B=1m, 015B=1.5m, 020B=2m
P-50H-Q-Q-XXXB	MCP1650-H0XXXX	200Gb/s, IB HDR, QSFP56 to QSFP56, 0.5m-2m
XXX=005, 010, 015, 020	XXXXX=0AE30, 01E30, 1AE30, 02E26	XXXB: 005B=0.5m, 010B=1m, 015B=1.5m, 020B=2m

## Active Copper Cable

ACC	InfiniBand	
Model Number	Nvidia Part Number	Description
A-200X-O-O-XXXB	-	Active copper cable, 1.6Tb/s, IB XDR, OSFP1600 to OSFP1600, 1m-3m
XXX=010, 020, 030	-	XXXB: 010B=1m, 020B=2m, 030B=3m
A-100N-O-2OR-XXXB	MCA7J60-NXXX	Active copper splitter cable, IB NDR, 800Gb/s to 2x 400Gb/s, OSFP open finned top to 2x OSFP-RHS, 1m-5m
XXX=030, 040, 050	XXX=003, 004, 005	XXXB: 030B=3m, 040B=4m, 050B=5m
A-100N-O-4OR-XXXB	MCA7J70-NXXX	Active copper splitter cable, IB NDR, 800Gb/s to 4x 200Gb/s, OSFP open finned top to 4x OSFP-RHS, 1m-5m
XXX=030, 040, 050	XXX=003, 004, 005	XXXB: 030B=3m, 040B=4m, 050B=5m
A-100N-O-2Q-XXXB	MCA7J65-NXXX	Active copper splitter cable, IB NDR, 800Gb/s to 2x 400Gb/s, OSFP open finned top to 2x OSFP1123, 1m-5m
XXX=030, 040, 050	XXX=003, 004, 005	XXXB: 030B=3m, 040B=4m, 050B=5m
A-100N-O-4Q-XXXB	MCA7J75-NXXX	Active copper splitter cable, IB NDR, 800Gb/s to 4x 200Gb/s, OSFP open finned top to 4x OSFP1123, 1m-5m
XXX=030, 040, 050	XXX=003, 004, 005	XXXB: 030B=3m, 040B=4m, 050B=5m
A-100N-O-O-XXXB	MCA7J80-NXXX	Active copper cable, IB NDR, 800Gb/s, OSFP to OSFP, 1m-5m
XXX=010, 020, 030, 040, 050	XXX=001, 002, 003, 004, 005	XXXB: 010B=1m, 020B=2m, 030B=3m, 040B=4m, 050B=5m
A-50H-Q-Q-XXXB	MCA1J00-HXXXE	Active copper cable, IB HDR, 200Gb/s, QSFP56 to QSFP56, 1m-7m
XXX=030, 040, 050, 070	-	XXXB: 030B=3m, 040B=4m, 050B=5m, 070B=7m
A-50H-Q-2Q-XXXB	MFS1S50-HXXXV	Active copper splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, 1m-7m
XXX=030, 040, 050, 070	-	XXXB: 030B=3m, 040B=4m, 050B=5m, 070B=7m
A-50H-O-2Q-XXXB	-	Active copper splitter cable, IB HDR, 400Gb/s to 2x200Gb/s, OSFP to 2xQSFP56, 1m-7m
XXX=030, 040, 050, 070	-	XXXB: 030B=3m, 040B=4m, 050B=5m, 070B=7m

# Ethernet

## Transceiver

Transceiver	Ethernet	
Model Number	Nvidia Part Number	Description
O-100-Q-SR8	MMA4Z00-NS-T	Twin port, Ethernet, 800Gb/s, 2x 400Gb/s, OSFP, 2xMPO, 850nm MMF, SR8, up to 100m, Open finned top
O-100-OC-SR8	MMA4Z00-NS-FLT	Twin port, Ethernet, 800Gb/s, 2x 400Gb/s, OSFP, 2xMPO, 850nm MMF, SR8, 100m, Closed finned top
O-100-Q-DR8	MMS4X00-NS-T	Twin port, Ethernet, 800Gb/s, 2x 400Gb/s, OSFP, 2x MPO, 1310nm SMF, DR8, up to 500m, Open finned top
O-100-OC-DR8	MMS4X00-NS	Twin port, Ethernet, 800Gb/s, 2x 400Gb/s, OSFP, 2x MPO, 1310nm SMF, DR8, up to 500m, Closed finned top
O-100-Q-2FR4	MMS4X50-NM	Twin port, Ethernet, , 800Gbps, 2xFR4, OSFP, 2xLC-LC, 1310nm SMF, up to 2km, Open finned top
O-100-OR-SR4	MMA4Z00-NS400-T	Single port, Ethernet, 400Gb/s, OSFP, MPO, 850nm MMF, SR4, up to 50m, flat top RHS
O-100-Q-SR4	MMA1Z00-NS400-T	Single port, Ethernet, 400Gb/s, QSFP112, MPO, 850nm MMF, SR4, up to 100m
O-100-OR-DR4	MMS4X00-NS400	Single port, Ethernet, 400Gb/s, OSFP, MPO, 1310nm SMF, DR4, up to 500m, Flat top RHS
O-50-Q-SR4	MMA1T00-VS	Ethernet, 200Gb/s, QSFP56, MPO, 850nm, SR4, up to 100m
O-50-Q-FR4	MMS1W50-HM	Ethernet, 200Gb/s, QSFP56, LC-LC, 1310nm, FR4, up to 2km
O-50-QD-SR4	-	Ethernet, 400Gb/s, QSFP-DD SR4, MPO, 850nm MMF, up to 100m
O-50-QD-SR8	T-DQ8FNS-N00-M	Ethernet, 400Gb/s, QSFP-DD SR8, MPO16, up to 100m
O-50-QD-DR4	MMS1V00-WM	Ethernet, 400Gb/s, QSFP-DD DR4, 1310nm, MPO, up to 500m
O-50-QD-FR4	MMS1V50-WM	Ethernet, 400Gb/s, QSFP-DD FR4, 1310nm, LC-LC, up to 2km
O-50-QD-LR4	MMS1V90-WR	Ethernet, 400Gb/s, QSFP-DD LR4, 1310nm, LC-LC, up to 10km
OL-100-QD-SR8	-	Ethernet, 800Gb/s, QSFP-DD SR8 Linear Direct Drive(LPO), MPO16, up to 100m
OL-50-QD-SR8	-	Ethernet, 400Gb/s, QSFP-DD SR8 LPO, MPO16, up to 100m
OL-50-Q-SR4	MMA1T00-VS**	Ethernet, 200Gb/s, QSFP56 LPO, MPO, 850nm, SR4, up to 100m
OL-50-O-SR8	-	Ethernet, 400Gb/s, OSFP LPO, MPO16, up to 100m
O-25-QD-SR8	-	Ethernet, 200Gb/s, NRZ 8x25Gb/s, QSFP-DD SR8, MPO16, up to 100m
O-25-Q-LR-BIDI	-	Ethernet, 100Gb/s, QSFP28 LR BIDI, SMF, up to 20km

## Active Optical Cable

AOC	Ethernet	
Model Number	Nvidia Part Number	Description
OL-100-QD-QD-XXX	-	800Gb/s, QSFP-DD to QSFP-DD, LPO, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	-	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
OL-100-QD-2Q-XXX	-	Active optical splitter cable, 800Gb/s to 2x400Gb/s, QSFP-DD to 2xQSFP112, LPO, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	-	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
OL-100-Q-Q-XXX	-	400Gb/s, QSFP112 to QSFP112, LPO, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	-	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
OL-100-Q-2Q-XXX	-	Active optical splitter cable, 400Gb/s to 2x200Gb/s, QSFP112 to 2xQSFP112, LPO, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	-	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
OL-50-QD-QD-XXX	MFS1S00-VXXXE	400Gb/s, QSFP-DD to QSFP-DD, LPO, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	XXX=003, 005, 010, 015, 020, 030, 050, 100	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
OL-50-QD-2Q-XXX	MFS1S50-VXXXE	Active optical splitter cable, 400Gb/s to 2x200Gb/s, QSFP-DD to 2xQSFP56, LPO, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	XXX=003, 005, 010, 015, 020, 030, 050, 100	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
O-50-QD-QD-XXX	-	400Gb/s, QSFP-DD to QSFP-DD, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	-	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
O-50-QD-2Q-XXX	-	Active optical splitter cable, 400Gb/s to 2x200Gb/s, QSFP-DD to 2xQSFP56, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	-	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
OL-50-Q-Q-XXX	MFS1S00-VXXXE	200Gb/s, QSFP56 to QSFP56, LPO, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	XXX=003, 005, 010, 015, 020, 030, 050, 100	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
OL-50-Q-2Q-XXX	MFS1S50-VXXXE	Active optical splitter cable, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LPO, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	XXX=003, 005, 010, 015, 020, 030, 050, 100	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
OL-50-O-2Q-XXX	MFA7U10-HXXX	Active optical splitter cable, 2x4x50Gb/s to Dual 4x50Gb/s, OSFP finned top to 2xQSFP56, LPO, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	XXX=003, 005, 010, 015, 020, 030, 050, 100	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
O-25-QD-QD-XXX	-	200Gb/s, NRZ 8x25Gb/s, QSFP-DD to QSFP-DD, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	-	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m
O-25-QD-2Q-XXX	-	Active optical splitter cable, 200Gb/s to 2x100Gb/s, NRZ 8x25Gb/s, QSFP-DD to 2xQSFP56, 3m-100m
XXX=030, 050, 100, 150, 200, 300, 500, 1000	-	XXX: 030=3m, 050=5.0m, 100=10m, 150=15m, 200=20m, 300=30m, 500=50m, 1000=100m

# Ethernet

## Direct Attached Cable

DAC	Ethernet	
Model Number	Nvidia Part Number	Description
<b>P-200-OC-OC-XXXB</b>	-	<b>1.6Tb/s, Ethernet, OSFP1600 to OSFP1600, 0.5m-1.5m</b>
XXX=005, 010, 015	-	XXXB=005B=0.5m, 010B=1m, 015B=1.5m
<b>P-200-QD-QD-XXXB</b>	-	<b>1.6Tb/s, Ethernet, QSFP-DD1600 to QSFP-DD1600, 0.5m-1m</b>
XXX=005, 010	-	XXXB=005B=0.5m, 010B=1m
<b>P-100-QD-QD-XXXB</b>	-	<b>800Gb/s, Ethernet, QSFP-DD to QSFP-DD, 1m-2m</b>
XXX=010, 015, 020	-	XXXB: 010B=1m, 015B=1.5m, 020B=2m
<b>P-50-QD-QD-XXXB</b>	<b>MCP1660-W0XXEYY</b>	<b>400Gb/s, Ethernet, QSFP-DD to QSFP-DD, 0.5m-3m</b>
XXX=005, 010, 015, 020, 025, 030	XX=0A, 01, 1A, 02, 2A, 03	XXXB: 005B=0.5m, 010B=1m, 015B=1.5m, 020B=2m, 025B=2.5m, 030B=3m
	YY=30, 30, 30, 26, 26, 26	
<b>P-50-QD-2Q-XXXB</b>	<b>MCP7H60-W0XXEYY</b>	<b>Splitter cable, 400Gb/s to 2x200Gb/s, Ethernet QSFP-DD to 2xQSFP56, 1m-3m</b>
XXX=010, 015, 020, 025, 030	XX=01, 1A, 02, 2A, 03	XXXB: 010B=1m, 015B=1.5m, 020B=2m, 025B=2.5m, 030B=3m
	YY=30, 30, 26, 26, 26	
<b>P-50-QD-4Q-XXXB</b>	<b>MCP7H70-W0XXXXX</b>	<b>Splitter cable, 400Gb/s to 4x100Gb/s, Ethernet QSFP-DD to 4xQSFP56, 1m-3m</b>
XXX=010, 015, 020, 025, 030	XX=01, 1A, 02, 2A, 03	XXXB: 010B=1m, 015B=1.5m, 020B=2m, 025B=2.5m, 030B=3m
	YY=30, 30, 26, 26, 26	
<b>P-50-Q-2Q-XXXB</b>	-	<b>Splitter cable, 200Gb/s to 2x100Gb/s, Ethernet QSFP56 to 2xQSFP56, 1m-3m</b>
XXX=010, 015, 020, 025, 030	XX=01, 1A, 02, 2A, 03	XXXB: 010B=1m, 015B=1.5m, 020B=2m, 025B=2.5m, 030B=3m
	YY=30, 30, 26, 26, 26	
<b>P-50-Q-4Q-XXXB</b>	-	<b>Splitter cable, 200Gb/s to 4x50Gb/s, Ethernet QSFP56 to 4xQSFP56, 1m-3m</b>
XXX=010, 015, 020, 025, 030	XX=01, 1A, 02, 2A, 03	XXXB: 010B=1m, 015B=1.5m, 020B=2m, 025B=2.5m, 030B=3m
	YY=30, 30, 26, 26, 26	
<b>P-50-Q-Q-XXXB</b>	<b>MCP1650-W0XXXXX</b>	<b>200Gb/s, Ethernet, QSFP56 to QSFP56, 0.5m-3m</b>
XXX=005, 010, 015, 020, 025, 030	XX=0A, 01, 1A, 02, 2A, 03	XXXB: 005B=0.5m, 010B=1m, 015B=1.5m, 020B=2m, 025B=2.5m, 030B=3m
	YY=30, 30, 30, 26, 26, 26	

## Active Electrical Cable

AEC	Ethernet	
Gen1 Retimer Model Number	Gen2 Retimer Model Number	Description
<b>E1-200-O-O-XXXB</b>	<b>E2-200X-O-O-XXXB</b>	<b>1.6Tb/s, Ethernet, OSFP1600 to OSFP1600, 0.5m-3m</b>
<b>E1-200-QD-QD-XXXB</b>	<b>E2-200-QD-QD-XXXB</b>	<b>1.6Tb/s, Ethernet, QSFP-DD1600 to QSFP-DD1600, 0.5m-3m</b>
<b>E1-100-O-O-XXXB</b>	<b>E2-100-O-O-XXXB</b>	<b>800Gb/s, Ethernet, OSFP800 to OSFP800, 3m-5m</b>
XXX=030, 040, 050		XXX: 030=3m, 040=4m, 050=5m
<b>E1-100-O-2O-XXXB</b>	<b>E2-100-O-2O-XXXB</b>	<b>Splitter cable, 800Gb/s to 2x400Gb/s, Ethernet, OSFP800 to 2xOSFP800, 3m-5m</b>
XXX=030, 040, 050		XXX: 030=3m, 040=4m, 050=5m
<b>E1-100-O-2OR-XXXB</b>	<b>E2-100-O-2OR-XXXB</b>	<b>Splitter cable, 800Gb/s to 2x400Gb/s, Ethernet, OSFP800 to 2xOSFP-RHS, 3m-5m</b>
XXX=030, 040, 050		XXX: 030=3m, 040=4m, 050=5m
<b>E1-100-O-2Q-XXXB</b>	<b>E2-100-O-2Q-XXXB</b>	<b>Splitter cable, 800Gb/s to 2x400Gb/s, Ethernet, OSFP800 to 2xQSFP112, 3m-5m</b>
XXX=030, 040, 050		XXX: 030=3m, 040=4m, 050=5m
<b>E1-100-QD-QD-XXXB</b>	<b>E2-100-QD-QD-XXXB</b>	<b>800Gb/s, Ethernet, QSFP-DD800 to QSFP-DD800, 3m-5m</b>
XXX=030, 040, 050		XXX: 030=3m, 040=4m, 050=5m
<b>E1-100-QD-2Q-XXXB</b>	<b>E2-100-QD-2Q-XXXB</b>	<b>Splitter cable, 800Gb/s to 2x400Gb/s, Ethernet, QSFP-DD800 to 2xQSFP112, 3m-5m</b>
XXX=030, 040, 050		XXX: 030=3m, 040=4m, 050=5m
<b>E1-100-Q-Q-XXXB</b>	<b>E2-100-Q-Q-XXXB</b>	<b>400Gb/s, Ethernet, QSFP112 to QSFP-112, 3m-5m</b>
XXX=030, 040, 050		XXX: 030=3m, 040=4m, 050=5m
<b>E1-50-QD-OR4-XXXB</b>	<b>E2-50-QD-OR4-XXXB</b>	<b>400Gb/s, 8x50Gb/s Gearbox to 4x 100Gb/s, QSFP-DD to OSFP-RHS, 1m-7m</b>
XXX=010, 020, 030, 050, 070		XXX: 010=1m, 020=2m, 030=3m, 050=5m, 070=7m
<b>E1-50-QD-Q-XXXB</b>	<b>E2-50-QD-Q-XXXB</b>	<b>400Gb/s, 8x50Gb/s Gearbox to 4x 100Gb/s, QSFP-DD to QSFP112, 1m-7m</b>
XXX=010, 020, 030, 050, 070		XXX: 010=1m, 020=2m, 030=3m, 050=5m, 070=7m
<b>E1-50-O-OR4-XXXB</b>	<b>E2-50-O-OR4-XXXB</b>	<b>400Gb/s, 8x50Gb/s Gearbox to 4x 100Gb/s, OSFP-DD to OSFP-RHS, 1m-7m</b>
XXX=010, 020, 030, 050, 070		XXX: 010=1m, 020=2m, 030=3m, 050=5m, 070=7m
<b>E1-50-O-Q-XXXB</b>	<b>E2-50-O-Q-XXXB</b>	<b>400Gb/s, 8x50Gb/s Gearbox to 4x 100Gb/s, OSFP to QSFP112, 1m-7m</b>
XXX=010, 020, 030, 050, 070		XXX: 010=1m, 020=2m, 030=3m, 050=5m, 070=7m

## Active Copper Cable

ACC	Ethernet	
Model Number	Nvidia Part Number	Description
<b>A-200-O-O-XXXB</b>	-	<b>1.6Tb/s, Ethernet, OSFP1600 to OSFP1600, 1m-3m</b>
XXX=010, 020, 030	-	XXX: 010=1m, 020=2m, 030=3m
<b>A-100-O-2OR-XXXB</b>	<b>MCA7J60-NXXX</b>	<b>Splitter cable, 800GbE, 800Gb/s to 2x400Gb/s, OSFP to 2xOSFP, 1m-5m</b>
XXX=030, 040, 050	XXX=003, 004, 005	XXX: 030=3m, 040=4m, 050=5m
<b>A-100-O-4OR-XXXB</b>	<b>MCA7J70-NXXX</b>	<b>Splitter cable, 800GbE, 800Gb/s to 4x200Gb/s, OSFP to 4xOSFP, 1m-5m</b>
XXX=030, 040, 050	XXX=003, 004, 005	XXX: 030=3m, 040=4m, 050=5m
<b>A-100-O-2Q-XXXB</b>	<b>MCA7J65-NXXX</b>	<b>Splitter cable, 800GbE, 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112, 1m-5m</b>
XXX=030, 040, 050	XXX=003, 004, 005	XXX: 030=3m, 040=4m, 050=5m
<b>A-100-O-4Q-XXXB</b>	<b>MCA7J75-NXXX</b>	<b>Splitter cable, 800GbE, 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 1m-5m</b>
XXX=030, 040, 050	XXX=003, 004, 005	XXX: 030=3m, 040=4m, 050=5m
<b>A-100-O-Q-XXXB</b>	<b>MCA7J80-NXXX</b>	<b>800Gb/s, Ethernet, Active copper cable(ACC), OSFP to OSFP, 1m-5m</b>
XXX=030, 040, 050	XXX=001, 002, 003, 004, 005	XXX: 030=3m, 040=4m, 050=5m
<b>A-100-QD-QD-XXXB</b>	-	<b>800Gb/s, Ethernet, Active copper cable(ACC), QSFP-DD to QSFP-DD, 1m-5m</b>
XXX=030, 040, 050	-	XXX: 030=3m, 040=4m, 050=5m
<b>A-100-Q-Q-XXXB</b>	-	<b>400Gb/s, Ethernet, Active copper cable(ACC), QSFP112 to QSFP112, 1m-5m</b>
XXX=030, 040, 050	-	XXX: 030=3m, 040=4m, 050=5m
<b>A-50-Q-Q-XXXB</b>	<b>MCA1J00-HXXXE</b>	<b>200Gb/s, Ethernet, Active copper cable(ACC), QSFP56 to QSFP56, 1m-7m</b>
XXX=030, 040, 050, 070	-	XXX: 030=3m, 040=4m, 050=5m, 070=7m
<b>A-50-Q-2Q-XXXB</b>	<b>MFS1S50-HXXXV</b>	<b>Splitter cable, Ethernet, Active copper cable(ACC), 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, 1m-7m</b>
XXX=030, 040, 050, 070	-	XXX: 030=3m, 040=4m, 050=5m, 070=7m
<b>A-50-O-2Q-XXXB</b>	-	<b>Splitter cable, Ethernet, Active copper cable(ACC), 400Gb/s to 2x200Gb/s, OSFP to 2xQSFP56, 1m-7m</b>
XXX=030, 040, 050, 070	-	XXX: 030=3m, 040=4m, 050=5m, 070=7m