Dolphin PCIe5L PCIe 5.0 Cable Data Sheet

PCIe 5.0 x4 SFF-8614 copper cables with CMI

The PCIe5L copper cables are compliant with the PCI-SIG External Cabling Specification 5.0 and available in various lengths up to 3 meters. The cables have two SFF-8614 connectors and support the new Cable Management Interface (CMI) used for sideband signaling. The cable is backwards compatible with PCIe 1.0, 2.0, 3.0 and 4.0 speeds.

Features

- Cable lengths 1m to 3m
- Conforms to the SFF-8614 mechanical specification
- PCIe 5.0 External Cabling Specification
- x4 PCIe 5.0 support
- 2 EEPROMs
- 100 Ohm Cable PVC
- RoHS compliant

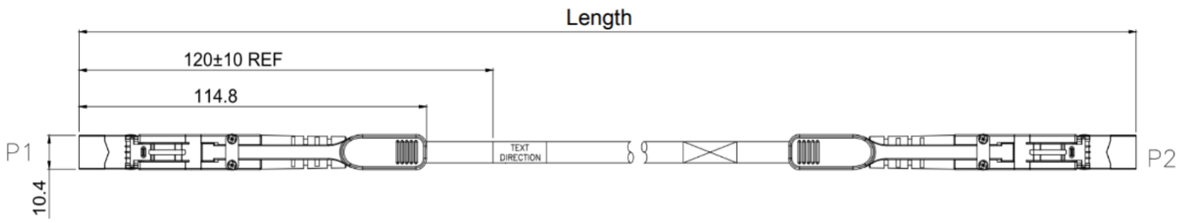
Part Numbers

Part	Length	AWG	Length(m)
PCIe5L-1M	1 Meter	28	1000±50mm
PCIe5L-2M	2 Meter	28	2000±50mm
PCIe5L-3M	3 Meter	28	3000±100mm

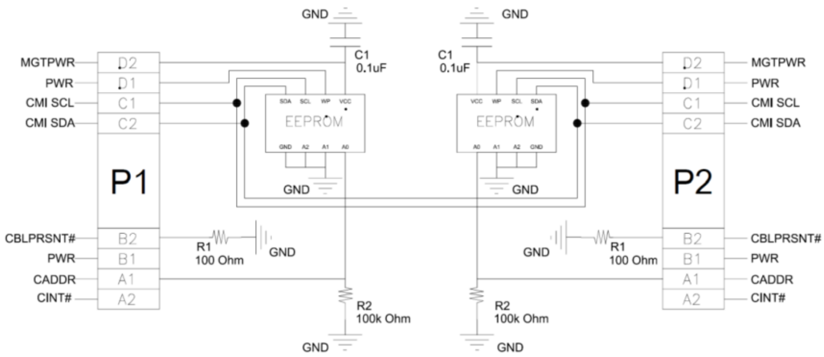
Pin-Out

External PCIe 5.0 x4 Cable Pin-Out									
Row	9	8	7	6	5	4	3	2	1
D	GND	PETn2	PETp2	GND	PETn1	PETp1	GND	MGTPWR	PWR
C	GND	PETn3	PETp3	GND	PETn0	PETp0	GND	CMISDA	CMISCL
B	GND	PERn2	PERp2	GND	PERn1	PERp1	GND	CBLPRSNT#	PWR
A	GND	PERn3	PERp3	GND	PERn0	PERp0	GND	CINT#	CADDR

Cable Drawing



Low Speed Wiring Diagram



General Connector Mechanical Requirement

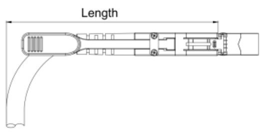
Description	SFF-8614 Spec.
Module Mating Force	Max 62N
Un-Mating Force	Max 30N
Rated Durability Cycles	250 cycles

Operating Conditions

Parameter	Min	Max	Unit
Case Operating Temperature	0	70	℃
Storage temperature	-20	85	℃
Power Supply Voltage	3.135	3.465	V

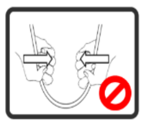
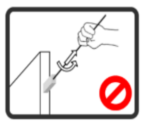
Minimum Cable Bending Radius

28AWG: 75mm



Handling

Care should be taken to restrict exposure to the conditions defined in the Absolute Maximum Ratings. Place the product in a stable and level location. If the product falls or drops, it may cause an injury or malfunction. The cable must not be subject to extreme bends during installation or while in operation. If you bend the cable at a radius less than the cable's minimum bend radius, it may become damaged. Don't twist or pull the cable ends by force, as this may cause a malfunction.

Regulatory Marking

The cables hold the following regulatory markings label: