

PRODUCT DATA SHEET

PCIe 4.0 x16 Riser Cable

Description:

PCI Express 4.0 offers maximum transfer speeds for recent GPUs such as Nvidia RTX 30 and AMD RX 6000 series. Many PC cases offer vertical mounts for the GPU which requires the physical extension of the GPU from the motherboard. Thermal Grizzly offers the perfect solution for this requirement with the PCIe 4.0 x16 30cm riser cable.

Properties:

Following the PCIe 4.0 x16 specifications, the individual wires are shielded and combined to 5 wire pairs. Two grounded mounting holes allow to fix the socket to your case or wherever it's required. You can find the detailed measures in the technical drawing attached.

Storage:

Store in original packaging in a dry environment at room temperature.



Property	Value/Description
Length:	30 cm
Color:	Black
Interface:	PCIe x16 4.0

Property	Value/Description
Article number:	TG-PCIE-40-16-30
Typical application:	GPU extension

Trademark Information:

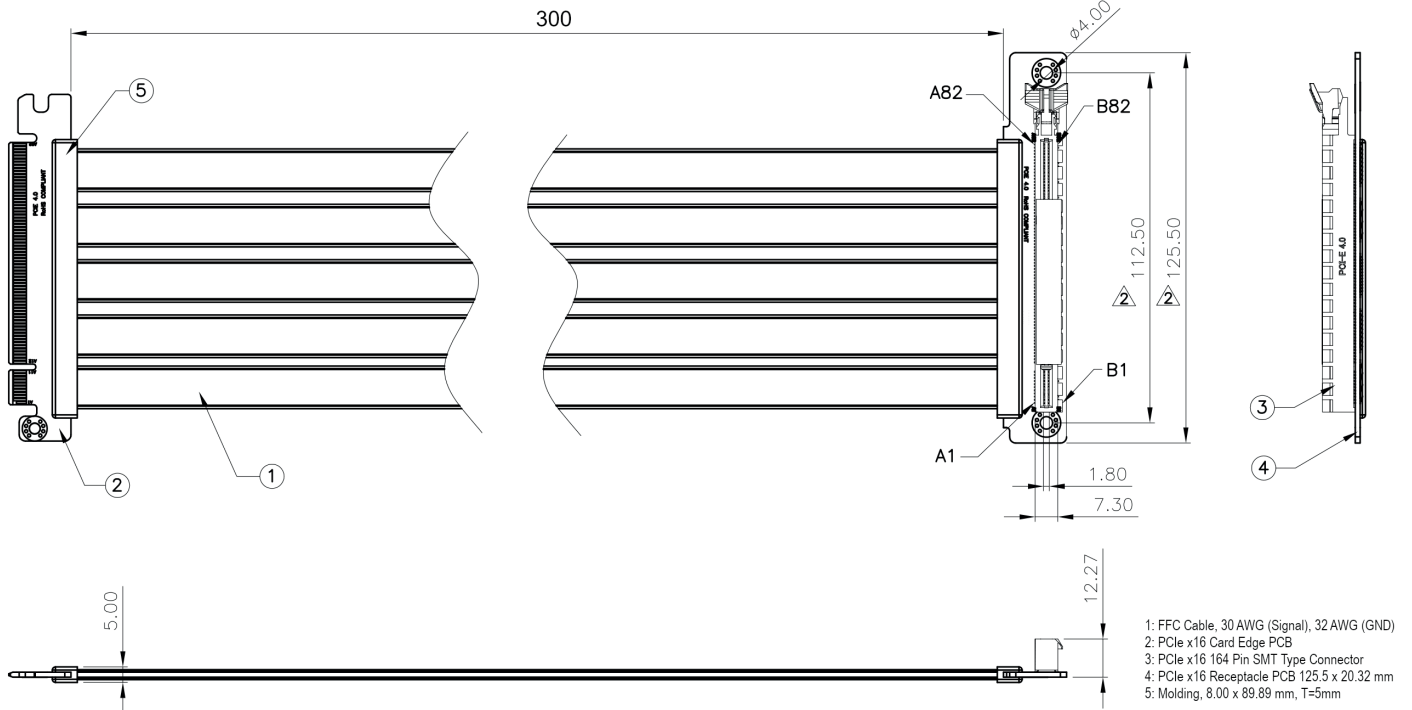
Thermal Grizzly is a registered trademark.

Please note:

The data in this technical data sheet are based on our current knowledge and experience. Due to the large amount of possible factors, this should not be construed

as to release the users from doing their own tests and screening. No legally binding assurance of specific properties or applicability for a concrete purpose should be derived from these data. Please consider contacting us for further detail. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

TGU20213108



PCI-Express X16 Pin-Out					
Pin (P1)	Side B Description	Pin (P2)	Pin (P1)	Side A Description	Pin (P2)
B01	+12 volt power	B01	A01	Hot plug presence detect (GND)	A01
B02	+12 volt power	B02	A02	+12 volt power	A02
B03	+12 volt power	B03	A03	+12 volt power	A03
B04	Ground	B04	A04	Ground	A04
B05	SMBus clock	B05	A05	TCK	A05
B06	SMBus data	B06	A06	TDI	A06
B07	Ground	B07	A07	TDO	A07
B08	+3.3 volt power	B08	A08	TMS	A08
B09	+TRST#	B09	A09	+3.3 volt power	A09
B10	+3.3 volt power	B10	A10	+3.3 volt power	A10
B11	Link Reactivation	B11	A11	Power Good	A11
Mechanical Key					
B12	Reserved	B12	A12	Ground	A12
B13	Ground	B13	A13	Reference Clock	A13
B14	Transmitter Lane 0	B14	A14	Differential pair	A14
B15	Differential pair	B15	A15	Ground	A15
B16	Ground	B16	A16	Receiver Lane 0	A16
B17	Hot plug detect	B17	A17	Differential pair	A17
B18	Ground	B18	A18	Ground	A18
B19	Transmitter Lane 1	B19	A19	Reserved	A19
B20	Differential pair	B20	A20	Ground	A20
B21	Ground	B21	A21	Receiver Lane 1	A21
B22	Ground	B22	A22	Differential pair	A22
B23	Transmitter Lane 2	B23	A23	Ground	A23
B24	Differential pair	B24	A24	Ground	A24
B25	Ground	B25	A25	Receiver Lane 2	A25
B26	Ground	B26	A26	Differential pair	A26
B27	Transmitter Lane 3	B27	A27	Ground	A27
B28	Differential pair	B28	A28	Ground	A28
B29	Ground	B29	A29	Receiver Lane 3	A29
B30	Reserved	B30	A30	Differential pair	A30
B31	Hot plug detect	B31	A31	Ground	A31
B32	Ground	B32	A32	Reserved	A32
B33	Transmitter Lane 4	B33	A33	Reserved	A33
B34	Differential pair	B34	A34	Ground	A34
B35	Ground	B35	A35	Receiver Lane 4	A35
B36	Ground	B36	A36	Differential pair	A36
B37	Transmitter Lane 5	B37	A37	Ground	A37
B38	Differential pair	B38	A38	Ground	A38
B39	Ground	B39	A39	Receiver Lane 5	A39
B40	Ground	B40	A40	Differential pair	A40
B41	Transmitter Lane 6	B41	A41	Ground	A41
B42	Differential pair	B42	A42	Ground	A42
B43	Ground	B43	A43	Receiver Lane 6	A43
B44	Ground	B44	A44	Differential pair	A44
B45	Transmitter Lane 7	B45	A45	Ground	A45
B46	Differential pair	B46	A46	Ground	A46
B47	Ground	B47	A47	Receiver Lane 7	A47
B48	Hot plug detect	B48	A48	Differential pair	A48

B49	Ground	B49	A49	Ground	A49
B50	Transmitter Lane 8	B50	A50	Reserved	A50
B51	Differential pair	B51	A51	Ground	A51
B52	Ground	B52	A52	Receiver Lane 8	A52
B53	Ground	B53	A53	Differential pair	A53
B54	Transmitter Lane 9	B54	A54	Ground	A54
B55	Differential pair	B55	A55	Ground	A55
B56	Ground	B56	A56	Receiver Lane 9	A56
B57	Ground	B57	A57	Differential pair	A57
B58	Transmitter Lane 10	B58	A58	Ground	A58
B59	Differential pair	B59	A59	Ground	A59
B60	Ground	B60	A60	Receiver Lane 10	A60
B61	Ground	B61	A61	Differential pair	A61
B62	Transmitter Lane 11	B62	A62	Ground	A62
B63	Differential pair	B63	A63	Ground	A63
B64	Ground	B64	A64	Receiver Lane 11	A64
B65	Ground	B65	A65	Differential pair	A65
B66	Transmitter Lane 12	B66	A66	Ground	A66
B67	Differential pair	B67	A67	Ground	A67
B68	Ground	B68	A68	Receiver Lane 12	A68
B69	Ground	B69	A69	Differential pair	A69
B70	Transmitter Lane 13	B70	A70	Ground	A70
B71	Differential pair	B71	A71	Ground	A71
B72	Ground	B72	A72	Receiver Lane 13	A72
B73	Ground	B73	A73	Differential pair	A73
B74	Transmitter Lane 14	B74	A74	Ground	A74
B75	Differential pair	B75	A75	Ground	A75
B76	Ground	B76	A76	Receiver Lane 14	A76
B77	Ground	B77	A77	Differential pair	A77
B78	Transmitter Lane 15	B78	A78	Ground	A78
B79	Differential pair	B79	A79	Ground	A79
B80	Ground	B80	A80	Receiver Lane 15	A80
B81	Hot plug presence detect	B81	A81	Differential pair	A81
B82	Hot plug detect	B82	A82	Ground	A82