

BOM InterconnectIO_Box						
510-1000-010						
Component for this board has been selected to be not expensive and available over the world. The quantity specified on the BOM are the required quantity and not the quantity received because most of the components sales by AliExpress						
ITEM	Ref	Qty	Value	Component number	Component Link	Comment
1	Case	1	PRM-46606	377-1962-ND	https://www.digikey.ca/en/products/detail/bud-industries/PRM-14460/6554277?r=htq1C&c=DAIMWHREFOCM80AbG2AS4ALoc%2B0A	
2	Led Lens	3	Ømm transparent	10 pieces	https://www.aliexpress.com/item/10250486847552.html?spm=a2g0o.order_list.order_list_main.191.1233180756y38	
3	Board Screw	3	M2.6 * 5mm	Black Carbon Steel	https://www.aliexpress.com/item/102503363325473.html?spm=a2g0o.cart.0.0.265288a1c1P4&mp=1	
4	Rail screw	2	M3 * 16mm	M3 25pcs/16mm	https://www.aliexpress.com/item/1029009206244614.html?spm=a2g0o.cart.0.0.1ee788a6c1P4&mp=1	
5	Power pack 5V 3A	1	5V @ 3A	DANSIUS Plug	https://www.aliexpress.com/item/25981011102.html?spm=a2g0o.cart.0.0.754738a9a9d9a26mp=1	
6	Front Panel	1	512-1000-010	Panel Front_drawing.svg	laser cut made on 0.125 thickness plywood wood. Wood dimension of 42.5 cm x 4.2cm	
7	Back Panel	1	512-1010-010	Panel Back_drawing.svg	laser cut made on 0.125 thickness plywood wood. Wood dimension of 42.5 cm x 4.2cm	
8	Left guide rail	1	515-1000-010	Left guide drawing_S15-1000.tif	3D printed using blue PLA filament	
9	Right guide rail	1	515-1010-010	Right guide drawing_S15-1010.tif	3D printed using blue PLA filament	
10	InterconnectIO Board	1	600-1000-011	Assembled PCB		
MATING Connectors for reference (Optional)						
1	P23	1	4 pins 3.81mm	plug, 5PCS,4P 3.81mm	https://www.aliexpress.com/item/22880910367.html?spm=a2g0o.order_list.order_list_main.97.176818095xv0N	
2	P20	1	8 pins 3.81mm	plug, 5PCS,6P 3.81mm	https://www.aliexpress.com/item/22880910367.html?spm=a2g0o.cart.0.0.255038a9F84.34mp=1	
3	P17	1	4 pins 5.08mm	Right angle, 5P,4P	https://www.aliexpress.com/item/1005051164664548.html?spm=a2g0o.cart.0.0.914033a9a1P4&mp=1	
4	P26	1	25pins 2.54mm	25p 10Pin	https://www.aliexpress.com/item/10050505367851508.html?spm=a2g0o.cart.0.0.254338a9YV16&mp=1	
5	P18,P19,P21,P22	4	Bnc cable	BNC cable 50 Ohm, 1 meter	https://www.aliexpress.com/item/10050505437725958.html?spm=a2g0o.cart.0.0.604838a9V38D&mp=1	
6	P25	1	180 cable	Type A to B Male	https://www.aliexpress.com/item/10050505517244620.html?spm=a2g0o.cart.0.0.354438a9TC7&mp=1	
7	P24	1	8Pin Cable	White Ethernet Cable/China/1m	https://www.aliexpress.com/item/23026672936.html?spm=a2g0o.cart.0.0.415338a91Y1ue&mp=1	
8	P1, P2	2	8001-12961C00A	896-STR-F	https://www.aliexpress.com/item/32808173331.html?spm=a2g0o.order_detail.order_detail_item.3.8a5aP15c8F45dn	