

| BOM Hardware Assembly InterconnectIO_Box  |                      |     |                 |                                  |   |         |
|---|----------------------|-----|-----------------|----------------------------------|---|---------|
| 500-1000-010  |                      |     |                 |                                  |   |         |
|   |                      |     |                 |                                  |   |         |
| 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                      | <a href="https://www.digikey.ca/en/products/detail/bud-industries/PRM-14460/655427?s=N4lgTCBcDaIMwHYEFoCMBOAbGZA5AiAlOC%2BQA">https://www.digikey.ca/en/products/detail/bud-industries/PRM-14460/655427?s=N4lgTCBcDaIMwHYEFoCMBOAbGZA5AiAlOC%2BQA</a> |         |
| 2   | Led Lens             | 3   | 3mm transparent | 10 pieces                        | <a href="https://www.aliexpress.com/item/1005004808477552.html?spm=a2g0o.order_list.order_list_main.191.12331802Sgy38f">https://www.aliexpress.com/item/1005004808477552.html?spm=a2g0o.order_list.order_list_main.191.12331802Sgy38f</a>             |         |
| 3   | Board Screw          | 6   | M2.6 * 5mm      | Black Carbon Steel               | <a href="https://www.aliexpress.com/item/1005003652695473.html?spm=a2g0o.cart.0.0.5d5038daftUP4x&amp;mp=1">https://www.aliexpress.com/item/1005003652695473.html?spm=a2g0o.cart.0.0.5d5038daftUP4x&amp;mp=1</a>                                       |         |
| 4   | Rail screw           | 2   | M3.*16mm        | M3 25pcs/16mm                    | <a href="https://www.aliexpress.com/item/1005002205244614.html?spm=a2g0o.cart.0.0.1ee738da6zFkTi&amp;mp=1">https://www.aliexpress.com/item/1005002205244614.html?spm=a2g0o.cart.0.0.1ee738da6zFkTi&amp;mp=1</a>                                       |         |
| 5   | Power pack 5V 3A     | 1   | 5V @3A          | 3A/5V/US Plug                    | <a href="https://www.aliexpress.com/item/32986101102.html?spm=a2g0o.cart.0.0.754738dadsdtwz&amp;mp=1">https://www.aliexpress.com/item/32986101102.html?spm=a2g0o.cart.0.0.754738dadsdtwz&amp;mp=1</a>   |         |
| 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_515-1000.stl  | 3d printed using blue PLA filament  |         |
| 9   | Right guide rail     | 1   | 515-1010-010    | Right_guide_drawing_515-1010.stl | 3d printed using blue PLA filament  |         |
| 10  | InterconnectIO Board | 1   | 600-1000-011    | Assembled PCB                    |   |         |
|   |                      |     |                 |                                  |   |         |
| MATING Connectors for reference (Optionnal)   |                      |     |                 |                                  |   |         |
| 1   | P23                  | 1   | 4 pins 3.81mm   | plug, 5PCS,4P,3.81mm             | <a href="https://www.aliexpress.com/item/32880910367.html?spm=a2g0o.order_list.order_list_main.97.176818025xbVoN">https://www.aliexpress.com/item/32880910367.html?spm=a2g0o.order_list.order_list_main.97.176818025xbVoN</a>                         |         |
| 2   | P20                  | 1   | 6 pins 3.81mm   | plug, 5PCS,6P,3.81mm             | <a href="https://www.aliexpress.com/item/32880910367.html?spm=a2g0o.cart.0.0.255038daF8f4Ji&amp;mp=1">https://www.aliexpress.com/item/32880910367.html?spm=a2g0o.cart.0.0.255038daF8f4Ji&amp;mp=1</a>   |         |
| 3   | P17                  | 1   | 4 pins,5.08mm   | Right angle, 5Pairs,4P           | <a href="https://www.aliexpress.com/item/1005001666625465.html?spm=a2g0o.cart.0.0.214838daHo7RzR&amp;mp=1">https://www.aliexpress.com/item/1005001666625465.html?spm=a2g0o.cart.0.0.214838daHo7RzR&amp;mp=1</a>                                       |         |
| 4   | P26                  | 1   | 2x5pins,2.54mm  | 2x5p 10Pin                       | <a href="https://www.aliexpress.com/item/1005005367851508.html?spm=a2g0o.cart.0.0.2cf438dabYVYbN&amp;mp=1">https://www.aliexpress.com/item/1005005367851508.html?spm=a2g0o.cart.0.0.2cf438dabYVYbN&amp;mp=1</a>                                       |         |
| 5   | P18,P19,P21,P22      | 4   | Bnc cable       | BNC cable 50 ohm, 1 meter        | <a href="https://www.aliexpress.com/item/1005005417715961.html?spm=a2g0o.cart.0.0.6cff38dawVV3kD&amp;mp=1">https://www.aliexpress.com/item/1005005417715961.html?spm=a2g0o.cart.0.0.6cff38dawVV3kD&amp;mp=1</a>                                       |         |
| 6   | P25                  | 1   | Usb cable       | Type A to B Male                 | <a href="https://www.aliexpress.com/item/1005005507244620.html?spm=a2g0o.cart.0.0.32d438datJcCc8&amp;mp=1">https://www.aliexpress.com/item/1005005507244620.html?spm=a2g0o.cart.0.0.32d438datJcCc8&amp;mp=1</a>                                       |         |
| 7   | P24                  | 1   | Eth Cable       | White Ethernet Cable/China/1m    | <a href="https://www.aliexpress.com/item/33026678139.html?spm=a2g0o.cart.0.0.415138daTYDleB&amp;mp=1">https://www.aliexpress.com/item/33026678139.html?spm=a2g0o.cart.0.0.415138daTYDleB&amp;mp=1</a>   |         |
| 8   | P1, P2,              | 2   | 9001-12961C00A  | 396-STR-F                        | <a href="https://www.aliexpress.com/item/32808173331.html?spm=a2g0o.order_detail.order_detail_item.3.8a9af19cRF49dn">https://www.aliexpress.com/item/32808173331.html?spm=a2g0o.order_detail.order_detail_item.3.8a9af19cRF49dn</a>                   |         |