UW TCAT TACCESS Kit v.1 Capacitive Sensor

BOM in-lab requirements:

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| --- | --- | --- | --- | --- | --- |
| Image | Part | Link | Price | Quantity | SubTotal |
| [1374_4](http://www.adafruit.com/images/1200x900/1374-02.jpg) | Single sensor | <http://www.adafruit.com/products/1374> | $6.00 | 2 | $12.00 |
| SparkFun Capacitive Touch Breakout - AT42QT1010 | Single Sensor | <https://www.sparkfun.com/products/12041> | $8.00 | 3 | $24.00 |
| Twig-Touch.jpg | Single Sensor | <http://www.robotmesh.com/grove-touch-sensor?gclid=CMOfmfOCj8kCFUhlfgodWM4NCg> | $4.00 | 3 | $12.00 |
| [1362_2](http://www.adafruit.com/images/1200x900/1362-00.jpg) | 5 sensor pad | <http://www.adafruit.com/products/1362>  <http://www.mouser.com/ProductDetail/Adafruit/1362/?qs=sGAEpiMZZMsMyYRRhGMFNh68zc8soqagABkWW3GcG4c%3d> | $7.50 | 1 | $7.50 |
|  | Cypress Development Kit | http://origin-www.cypress.com/documentation/development-kitsboards/cy8ckit-042-ble-bluetooth-low-energy-ble-pioneer-kit?source=search&cat=software\_tools | $49.00 | 1 | $49.00  (104.50) |
|  | Cypress chip | http://origin-www.cypress.com/documentation/development-kitsboards/cy8ckit-142-psoc-4-ble-module | $10.00 | 1 | 10.00 |
| http://images.monoprice.com/productlargeimages/6481.jpg | Unshielded AV Stereo Cables | <http://www.monoprice.com/Product?p_id=648&gclid=CLzqg_Cb_cgCFVFafgodG9gIGA> | $1.00 | 1 | 1.00 |
| AK203-2.5 Assmann WSW Components | AE9919-ND DigiKey Electronics | Shielded AV stereo cables | <http://www.digikey.com/product-detail/en/AK203-2.5/AE9919-ND/821673> | $3.50 | 1 | 3.50 |
| Eagle Plastic Devices 12BH348/CS-GR | Battery Enclosures 4XAA 6" LDS COVER SW | <http://www.mouser.com/ProductDetail/Eagle-Plastic-Devices/12BH348-CS-GR/?qs=%2fha2pyFadugoocI3zYgZ3%2fNR35co3cw9E3t1haLUmzXJ9vu4MScVFA%3d%3d> | $2.00 | 1 | 2.00  (111) |
| http://media.digikey.com/photos/Vishay%20Semiconductors/VO14642AT.JPG | Solid State Relay | <http://www.digikey.com/product-detail/en/VO14642AT/VO14642AT-ND/4074374> | $2.50 | 1 | 2.50 |
| http://media.digikey.com/Photos/Coto%20Tech%20Photos/COTOMOS%20C2.JPG | Solid state relay | <http://www.digikey.com/product-detail/en/C226S/306-1358-ND/3961411> | $4.00 | 3 | 12.00 |
| 8016 Vector Electronics | V2011-ND DigiKey Electronics | Perforated prototype board | <http://www.digikey.com/product-detail/en/8016/V2011-ND/416000> | $20.00 | 1 | 20.00 |
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|  |  | Subtotal |  |  | 145.50 |
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