

**Senior Design Project**  
**T307**  
**2 November 2020**  
**Bill of Materials**

# Table of Contents

<i>Table of Contents</i>	<b>2</b>
<b><i>SECTION I: Bill of Materials</i></b>	<b>3</b>
<b>Table I: BoM</b>	<b>3</b>
<b>Table II: BoM (cont...)</b>	<b>3</b>
<b><i>SECTION II: Purchasing</i></b>	<b>4</b>
<b>Table III: Mouser</b>	<b>4</b>
<b>Table IV: Sparkfun</b>	<b>4</b>
<b>Table V: Ebay</b>	<b>4</b>

## SECTION I: Bill of Materials

Table I: BoM

Table 1: BoM contained in this table

	Item Ref #	Description	Model #/ Extra Desc.	Quantity	Unit	Unit Cost	Cost	Shipping	Total Cost
SDR	1	Software Defined Radio	ADALM-PLUTO	2	Each	150.00	300.00	10.69	310.69
	2	Software Defined Radio	HackRF One	1	Each	299.95	299.95	0	299.95
Other Electronics	3	Variable Attenuator	JFW 50DR-055 0-30dB	2	Each	40.00	80.00	0	80.00
	4	BNC to SMA Adapter	Male/Female set	1	4 Piece	6.75	6.75	0	6.75

Table II: BoM (cont...)

	Item Ref #	Vendor
SDR	1	Mouser Item # 584-ADALM-PLUTO
	2	Sparkfun <a href="https://www.sparkfun.com/products/13001">https://www.sparkfun.com/products/13001</a>
Other Electronics	3	Ebay Item # 162977738776
	4	Ebay Item # 383561323239

Table 2: BoM (cont..) in this table

## SECTION II: Purchasing

**Table III: Mouser**

Item Ref #	Description	Model #/ Extra Desc.	Quantity	Unit	Unit Cost	Cost	Shipping	Total Cost	Item ID
1	Software Defined Radio	ADALM-PLUTO	2	Each	150.00	300.00	10.69	310.69	584-ADALM-PLUTO

*Table 3: Mouser Vendor contained in this table*

**Table IV: Sparkfun**

Item Ref #	Description	Model #/ Extra Desc.	Quantity	Unit	Unit Cost	Cost	Shipping	Total Cost	Website
2	SDR	HackRF One	1	Each	299.95	299.95	0	299.95	<a href="https://www.sparkfun.com/products/13001">https://www.sparkfun.com/products/13001</a>

*Table 2: Sparkfun Vendor contained in this table*

**Table V: Ebay**

Item Ref #	Description	Model #/ Extra Desc.	Quantity	Unit	Unit Cost	Cost	Shipping	Total Cost	Item #
3	Variable Attenuator	JFW 50DR-055 0-30dB	2	Each	40.00	80.00	0	80.00	162977738776
4	BNC to SMA Adapter	Male/Female set	1	4 Pc	6.75	6.75	0	6.75	383561323239

*Table 3: Ebay Vendor contained in this table*

– END OF DOCUMENT –