

Laboratory Kit Parts List

Aluizio Prata, Jr.

01 - NanoVNA-F kit

- One Deeelec NanoVNA-F, 4.3 in display, button version, HW 3.1, with plastic case
- One USB computer interface cable
- One stylus pen
- Two RG-316 210 mm long coaxial cables with SMA male connectors on both ends
- One SMA Male calibration load
- One SMA Male calibration open
- One SMA Male calibration short

02 – One custom-made SMA female VNA calibration kit

- One SMA Female calibration load
- One SMA female calibration open
- One SMA female calibration short

<https://www.digikey.com/en/products/detail/cinch-connectivity-solutions-johnson/142-0701-801/35280>

03 – One SMA male-to-SMA male adapter

<https://www.digikey.com/en/products/detail/linx-technologies-inc/adp-smam-smam/1577234>

04 - One SMA female-to-SMA female adapter

<https://www.digikey.com/en/products/detail/linx-technologies-inc/ADP-SMAF-SMAF-G/9826669?s=N4IgTCBcDalIIBEAKBaAygWTgMXV3A4igHIIgC6AvkA>

05 – Two custom-made SMA+SMA 8-pin DIP test fixtures

<https://www.digikey.com/en/products/detail/cinch-connectivity-solutions-johnson/142-0701-801/35280>

06 – Through-hole metal film resistors (Yageo MFR-25 series)

- One 25.5 Ohms 1/4 W

<https://www.mouser.com/ProductDetail/Yageo/MFR-25FBF52-25R5/?qs=sGAEpiMZZMsPqMdJzcrNwiweiCzxKzWLuN5%252BF%252B18lo%3D>

One 49.9 Ohms 1/4 W

<https://www.mouser.com/ProductDetail/Yageo/MFR-25FBF52-49R9/?qs=sGAEpiMZZMsPqMdJzcrNwiweiCzxKzWLsk%2F%2F3WfEV7E%3D>

One 100 Ohms 1/4 W

<https://www.mouser.com/ProductDetail/Yageo/MFR-25FBF52-100R/?qs=sGAEpiMZZMsPqMdJzcrNwiweiCzxKzWLVzyaJUd%252BKGQ%3D>

One 180 Ohms 1/4 W

<https://www.mouser.com/ProductDetail/Yageo/MFR-25FBF52-180R/?qs=sGAEpiMZZMsPqMdJzcrNwiweiCzxKzWL1jtVniIR3vE%3D>

07 – Ceramic disk capacitors (Vishay 561R Series)

One 25 pF

<https://www.mouser.com/ProductDetail/Vishay-Cera-Mite/561R10TCCQ25/?qs=XeJOWCSCkv8WVJVAsfLkMQ%3D%3D>

One 15 pF

<https://www.mouser.com/ProductDetail/Vishay-Cera-Mite/561R10TCCQ15/?qs=XeJOWCSCkv8fz%252B6MSbZP7Q%3D%3D>

One 10 pF

<https://www.mouser.com/ProductDetail/Vishay-Cera-Mite/561R10TCCQ10/?qs=ohMLqj34oV1qAxjp44jWYQ%3D%3D>

One 5 pF

https://www.mouser.com/Passive-Components/Capacitors/Ceramic-Capacitors/Ceramic-Disc-Capacitors/561R-Series/_/N-5g90?P=1z0yh07

08 – One 200 Ohms trimming potentiometer (Bournes 3352W series)

<https://www.digikey.com/en/products/detail/bourns-inc/3352W-1-201LF/1060440>

09 – PVC-insulated solid hook-up wires (Remington Industries 26UL1007SLD)

One meter 26 AWG (A colored)

One meter 26 AWG (B colored)

One meter 26 AWG (C colored)

<https://www.digikey.com/en/products/detail/remington-industries/26UL1007SLDKIT100/11614792>

10 – Two RG-316 2 m long (6.5 ft) coaxial cables with SMA male connectors on both ends

<https://www.digikey.com/en/products/detail/amphenol-rf/135101-01-M2-00/9856900?s=N4lgTCBcDallwGYCscAMcC06MFkwDpVUQBdAXyA>

11 – One adjustable locking wire stripper (Jameco 10-24 AWG 5 Inch wire cutter stripper)

https://www.jameco.com/z/JE-2022C-R-Jameco-Benchpro-10-24-AWG-5-Inch-Wire-Cutter-Stripper_215889.html

12 – One 4 ¾ in straight long-nose pliers

<https://www.harborfreight.com/search?q=mini%20long%20nose%20pliers>

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