TEAM 24 - GROUND PENETRATING RADAR

Part List

* Large Box
  + Bag 1
    - 10 - [6” SMA MM Cables](https://cinchconnectivity.com/OA_MEDIA/specs/pi-415-0025-006.pdf)
    - 8 - [24” SMA MM Cables](https://cinchconnectivity.com/OA_MEDIA/specs/pi-415-0025-006.pdf)
    - 1 - Schottky PCB
    - 1 - LNA Eval board ([TB-757+](http://www.minicircuits.com/pcb/WTB-757+_P02.pdf))
    - 1 - Power Splitter Eval board ([TB-37](http://www.minicircuits.com/pcb/WTB-37_P02.pdf))
    - 2 - Power Amplifier
    - 2 - Unknown 8 pin (used in signal generator)
    - 2 - 2” SMA-F / Open Cable
  + Bag 2
    - 18 - Power Spliter ([BP2U+](https://www.minicircuits.com/pdfs/BP2U+.pdf))
    - 20 - LNA ([CMA-5043+](https://www.minicircuits.com/pdfs/CMA-5043+.pdf))
    - 8 - SMA surface mount connectors ([CONSMA001-SMD-G](https://www.linxtechnologies.com/resources/diagrams/consma001-smd-g.pdf))
    - 1 - 8’ RG58 SMA-M / N-Type M Cable
    - 1 - Toroidal Core
  + Box 1
    - 20 - LNA ([TAV-541+](http://www.minicircuits.com/pdfs/TAV-541+.pdf))
    - 4 - LNA Eval board ([TB-154](http://www.minicircuits.com/pcb/WTB-154_P02.pdf))
  + Box 2
    - 19 - schottky diodes ([1PS70SB84](http://www.nxp.com/documents/data_sheet/1PS70SB82_84_85_86.pdf))
    - 1 - ADC
    - 1 - ADC driver
    - 1 - ADC driver board
    - 1 - LPF/AAF Filter PCB
    - 1 - Function Generator / Power amplifier PCB
    - 1 - VCO
    - 1 - Mixer
  + 1 - Handcrafted Steel Antenna
  + 2 - Machine Fab Aluminum Antenna
  + 2 - 5’ RG58 SMA - F / SMA - M Cable
  + 2 - Toroidal Core