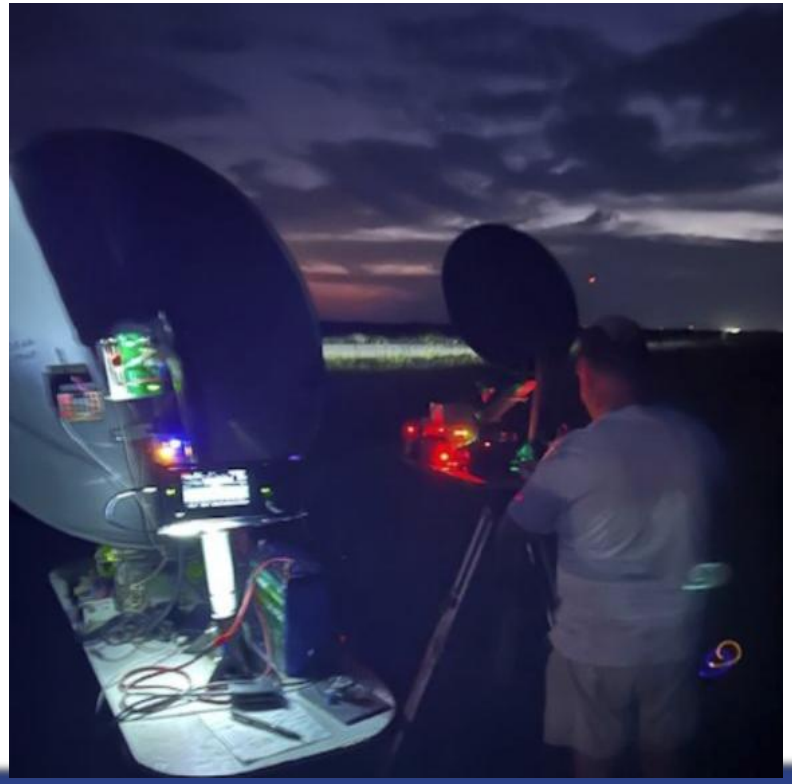
North Texas NTMS Microwave Society

Welcome to North Texas Microwave Society November 21, 2026



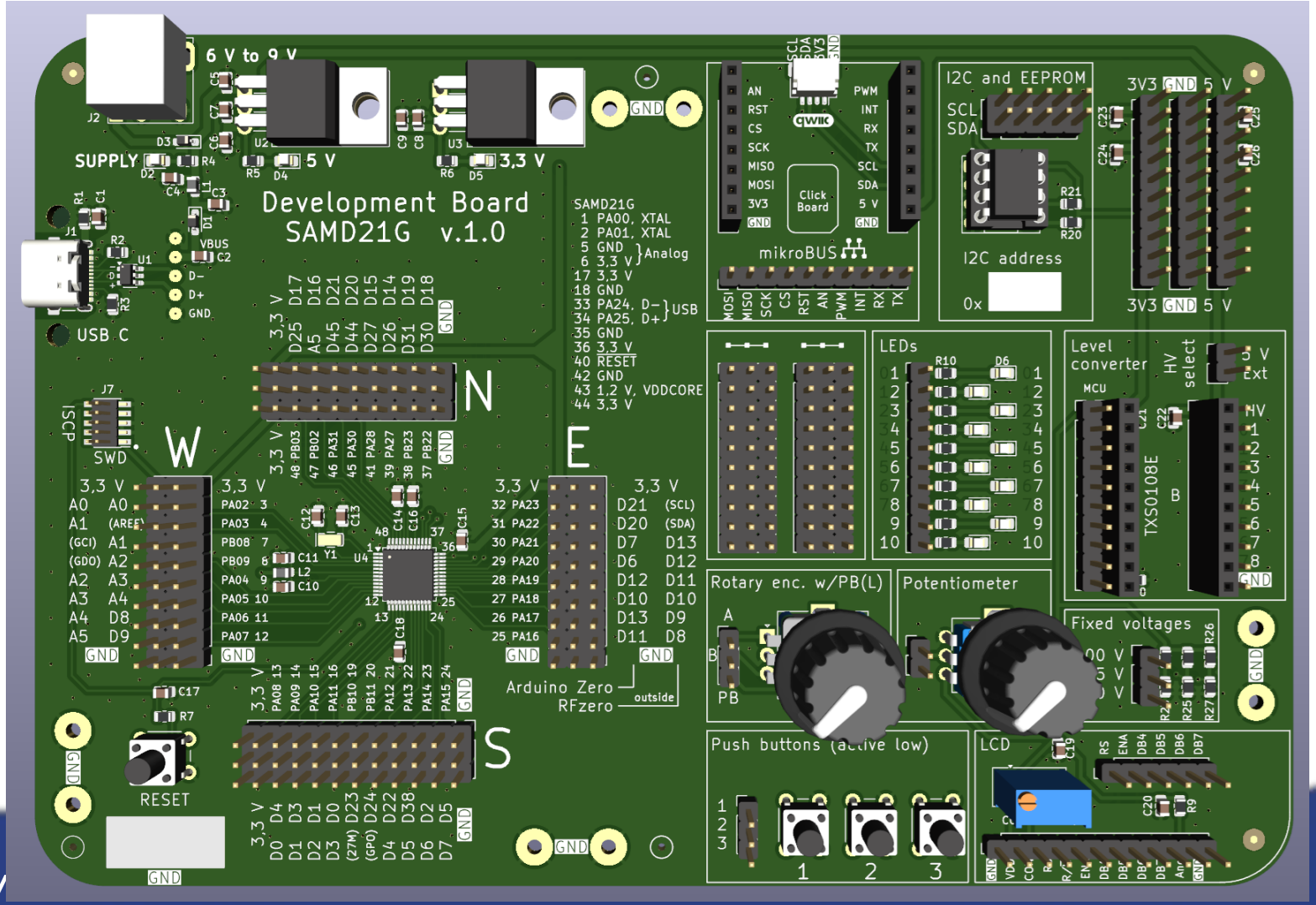
Announcements

North Texas NTMS Microwave Society

- SAMD21 development boards available from Bo Hansen OZ2M
  - I have two units, Bo has 13 in stock.
  - Some assembly required.
  - Arduino Zero is available as well on ebay for $9.99 or $8.49 qty 4 which is what I ordered. Ships from US. Uno form factor. Built in debugger.
  - Arduino Zero is same chip as in Rfzero.

SAMD21 development board from Bo OZ2M

North Texas NTMS Microwave Society



North Texas NTMS Microwave Society

Announcements

- Cowtown Hamfest January 15 & 16
  - We have done microwave demos and presentations
  - Two of us have provided Field Day support on the 20 meter CW desk. We also have 2 meters running WSJT-X.
  - Earlier 2026 we helped Cowtown club with a tuned filter for ISS receiver.
  - Venue at the hamfest – we have 2 slots of 1 hour each & youth group teaching soldering, Fri night, Sat morning & afternoon
  - NTMS lunch meeting at Hickory Stick BBQ near the venue.

900 E. Enon

Everman, Texas



November 2026

- 28th - 29th ARRL EME test 50 MHz to 1296 MHz

December 2026

- 5th (Saturday) NTMS MAD – Microwave Activity Day
- 12th NTMS December meeting
  - Elections, KM5PO and W5LUA again as officers, AA5AM to replace WA5TKU as Treasurer with assistance from Wes.
  - Mats KD5FZX 10 GHz Slot from WR-90 and prototype plus 2 more 32 slot antennas from McMaster-Carr materials > 30 dB RL. Show range measurements for gain & pattern.
  - Weak signal source surprise from KM5PO
- 13th - 14th Geminids meteor shower

North Texas NTMS Microwave Society

January 2027

- 2nd (Saturday) NTMS MAD – Microwave Activity Day
- 9th NTMS January meeting
  - Your presentation
- 15th - 16th Cowtown Hamfest
  - Forrest Hill Civic and Convention Center, Forrest Hill TX.

https://www.cowtownhamfest.com/



HAM RADIO EXPERIENCE



EDUCATION AND PROGRAMS

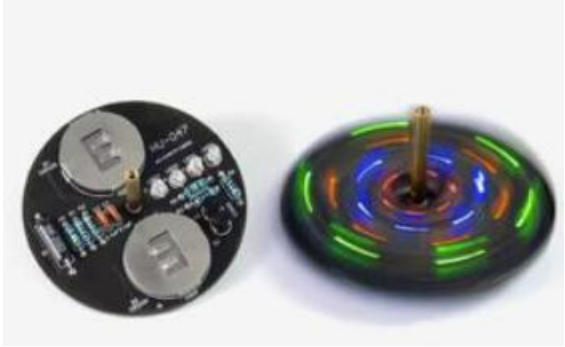


AMATEUR AND GROL TESTING

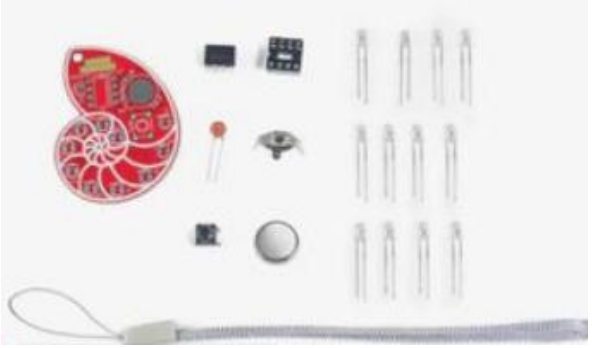
North Texas NTMS Microwave Society

January 2027

- Teaching high school age kids how to solder









Perpetual

North Texas NTMS Microwave Society

- **NTMS 2 meter net**
  Every Sunday, 8:00 pm CST,144.260 MHz, called by Ross K5ZSJ
- **The 6 meter Hootowl net**
  Every Saturday, Midnight, 50.125, called by Al W5RLG
- **NTMS Lunch**
  Every Tuesday, 11:30 am CST, Texas Smokehouse BBQ, Richardson TX (May change around holidays)
- **144 MHz Activity Night.**
  Every Monday 7:00-11:00 pm local
- **222 MHz Activity Night.**
  Every Tuesday 7:00-11:00 pm local
- **432 MHz Activity Night.**
  Every Wednesday 7:00-11:00 pm local
- **Midwest M.A.D. and NTMS M.A.D**
  First Saturday of every month.

Treasury update

North Texas NTMS Microwave Society

- Bank balance
- Paid membership count

Business Meeting

North Texas NTMS Microwave Society

- Old Business
  - Kent Britain to donate HP415E to club by March ‘27
  - NTMS will host the 2027 Microwave Update
    - $500 deposit has been paid
    - Eric Haskell to check on test equipment availability
    - Antenna Range and NF testing on Thursday
    - Friday/Saturday – presentations all day with lunches
    - Speaker for Saturday night banquet
    - List of conference duties handled by volunteers
  - Reservation site is LIVE!

W5HN

Microwave Update 2027

North Texas NTMS Microwave Society

https://www.hilton.com/ Microwave Update 2027 Dallas

MICROWAVE UPDATE 2027

Hello!

We're glad you can join us for the Microwave Update 2027.

We have a room block reserved at Hilton Garden Inn Dallas Lewisville for October 27, 2027 through October 31, 2027. Booking your room is simple, just select "Book a Room" to receive your group's preferred rate. Breakfast is included in the guestroom rate.

IF your dates should differ from those listed above, simply select "Edit Stay" and enter your specific arrival & departure dates.

We're looking forward to seeing you in October! We hope you enjoy your stay and the 2027 Microwave Update!

Book Your Room

Event dates: October 27, 2027 - October 31, 2027
Book before: October 9, 2027



Hilton Garden Inn Dallas Lewisville

785 State Highway 121,
Lewisville, TX 75067
USA

+1 972-459-4600

Book a Room

Rooms & Rates

1 King Bed - **$117.00**

2 Queen Beds - **$127.00**

Business Meeting

North Texas NTMS Microwave Society

- New Business
  - Reimburse KM5PO for beacon expenses:
    - $1500
  - New Mats KD5FZX donations:
    - NanoVNA - SAA-2N with cal kit
      - 50 KHz to 3 GHz
    - Bodnar dual output GPSDO
      - USB and 12 volt power options
    - Rigol DS1052E, 50 MHz, 1 Gsa/s, Ultra zoom

Business Meeting

North Texas NTMS Microwave Society

- Previous Mats donations (still have):
  - 25-watt 1296 PA
  - 50-watt 2304 PA
    - 2 were donated, Scott has one and has tested it.
  - WR-90 to N, WR-90 to SMA transitions
  - WR-42 to SMA transitions
  - Machined enclosures for WA5VJB mmic board
  - DigiLO enclosures and complete system
    - 1 is in use with N5FU, David Seals

Business Meeting

North Texas NTMS Microwave Society

– New Jim WA5JAT donations

- Big roll of .141 semi-rigid

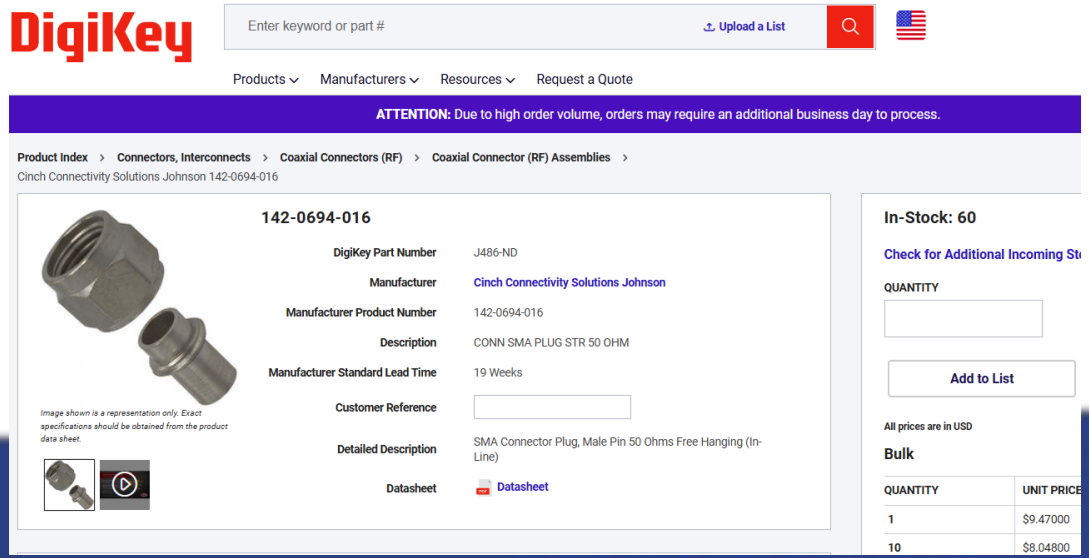
40" 1M 3FT semi-Rigid Flexible RG402 0.141" RF coaxial Cable Quick USA Shipping

Brand: Amphenol

5.0 ★★★★★ (4)

$25.69

$9.47 >>>



Additional donations

- David N5FU
  - Hangar use for our in-person meetings!
  - 10 GHz horn for NTMS antenna range
- Al Sr. W5RLG
  - 24 GHz radar gunn oscillators (2) for NTMS antenna range
- Ron AA5NI
  - 10 GHz gunn oscillators for NTMS antenna range

Show and Tell

North Texas NTMS Microwave Society

- What do you have to show off?
- Lightning round of comments, thoughts.

Adjourn?

North Texas NTMS Microwave Society

- Motion to adjourn?