

DFIN BNC Replacement

A few tips on the repair:

Protect the capacitor on the front end of the DFIN (see circled area in photo). Cover with a soft cloth or piece of foam.



If you have a DFIN that is painted, scrape away the paint from the solder where the connector will be replaced.

Once paint is removed heat area with solder iron and use a de-soldering pump (solder sucker) to remove excess solder and remove any pins from the broken connector that remain.



Clean area with a cotton swab moist with isopropyl alcohol. Wipe dry.

Soldering the center conductor in place first is recommended. Turn the DFIN over and look at the connector to make sure it is flush with the surface of the PCB before soldering the remaining pins. If it's cocked, just heat the center pin and adjust so it is flush.

Before soldering the remaining pins, you can use a VOM to check for any DC short of the connector. Solder remaining pins and do another DC check on the connector.

Resources:

Right Angle BNC through panel

<https://rfbat.com/products/bnc-thru-hole-jack-female-bulkhead-right-angle-pcb-mount-rf-connector>

Straight BNC through panel

<https://rfbat.com/products/bnc-thru-hole-jack-vertical-pcb-mount>

Capacitor

<https://www.mouser.com/ProductDetail/KEMET/C410C101J2G5TA?qs=sGAEpiMZZMsh%252b1woXyUXjzmYrsbNJk0Dxr9DZwexu%252b8%3d>