

Our RF N-Type connector range features a threaded coupling mechanism and are fully interchangeable. These connectors are used in all systems where excellent Radio Frequency connections and mechanical performance is critical. The N-Type connector range meets many customer application demands, including models that support up to 18GHz.

Available for a wide range of coaxial cables including low loss types. Plug versions are also available in straight, right angle and jack versions along with panel mount and bulkhead mount variations.



Key Features:

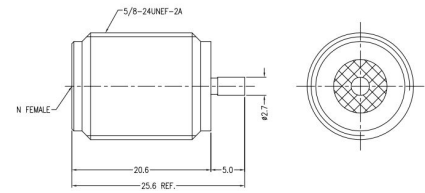
- 50-ohm Impedance
- Insulation resistance >5000MΩ
- Durability >500 Cycles
- Mode free Frequency up to 11 GHz (some Type-N Connectors can also operate up to 18 GHz)
- Available in Plug or Jack
- Beryllium Copper Contact Pin
- Body Material available in Stainless Steel Passivation

N Type Series Bulkhead



RFNAJNH

- Max Voltage 500V
- Operating Temperature -55C to +155C
- Frequency Range 0-18GHz
- VSWR <1.30
- Dielectric withstanding Voltage >1500V



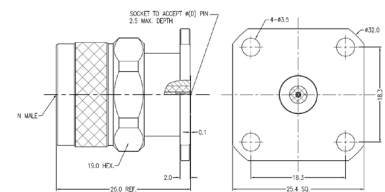
| Part Number | Plug or Jack | Pin Diameter | Pin Length |
|-------------|--------------|--------------|------------|
| RFNAJNH | Jack | 2.70mm | 5.00mm |

N Type Series Socket 4 Hole Flange



RFNA4PGIF

- Max Voltage 500V
- Operating Temperature -55C to +155C
- Frequency Range 0-18GHz
- VSWR <1.30
- Dielectric withstanding Voltage >1500V
- Available with Extended PTFE



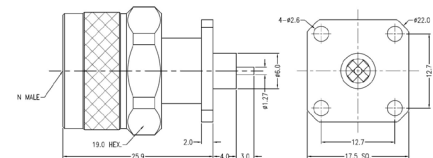
| Part Number | Plug or Jack | Flange Mount Length | Mount Hole Distance | Socket Diameter |
|-------------|--------------|---------------------|---------------------|-----------------|
| RFNA4JGID | Jack | 25.40mm | 18.30mm | 0.46mm |
| RFNA4JGIE | Jack | 25.40mm | 18.30mm | 0.51mm |
| RFNA4JGIF | Jack | 25.40mm | 18.30mm | 0.91mm |
| RFNA4JFHD | Jack | 17.50mm | 12.70mm | 0.46mm |
| RFNA4JFHE | Jack | 17.50mm | 12.70mm | 0.51mm |
| RFNA4JFHF | Jack | 17.50mm | 12.70mm | 0.91mm |
| RFNA4JCCD | Jack | 12.70mm | 8.60mm | 0.46mm |
| RFNA4JCCE | Jack | 12.70mm | 8.60mm | 0.51mm |
| RFNA4JCCF | Jack | 12.70mm | 8.60mm | 0.91mm |
| RFNA4PGID | Plug | 25.40mm | 18.30mm | 0.46mm |
| RFNA4PGIE | Plug | 25.40mm | 18.30mm | 0.51mm |
| RFNA4PGIF | Plug | 25.40mm | 18.30mm | 0.91mm |
| RFNA4PFHD | Plug | 17.50mm | 12.70mm | 0.46mm |
| RFNA4PFHE | Plug | 17.50mm | 12.70mm | 0.51mm |
| RFNA4PFHF | Plug | 17.50mm | 12.70mm | 0.91mm |
| RFNA4PCCD | Plug | 12.70mm | 8.60mm | 0.46mm |
| RFNA4PCCE | Plug | 12.70mm | 8.60mm | 0.51mm |
| RFNA4PCCF | Plug | 12.70mm | 8.60mm | 0.91mm |

N Type Series Pin with Extended PTFE 4 Hole



RFNA4PFHLGIE

- Max Voltage 500V
- Operating Temperature -55C to +155C
- Frequency Range 0-18GHz
- VSWR <1.30
- Dielectric withstanding Voltage >1500V
- Available with Extended PTFE



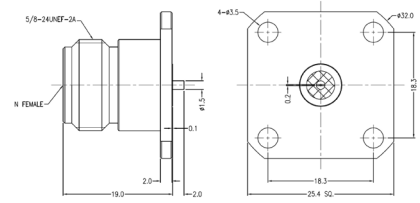
| Part Number | Plug or Jack | Flange Mount Length | Mount Hole Distance | Extended PTFE Dia | Extended PTFE Length |
|--------------|--------------|---------------------|---------------------|-------------------|----------------------|
| RFNA4JGILGIE | Jack | 25.40mm | 18.30mm | 6.00mm | 4.00mm |
| RFNA4JFHLGIE | Jack | 17.50mm | 12.70mm | 6.00mm | 4.00mm |
| RFNA4JCCLGIE | Jack | 12.70mm | 8.60mm | 6.00mm | 4.00mm |
| RFNA4PGILGIE | Plug | 25.40mm | 18.30mm | 6.00mm | 4.00mm |
| RFNA4PFHLGIE | Plug | 17.50mm | 12.70mm | 6.00mm | 4.00mm |
| RFNA4JGILGIE | Jack | 25.40mm | 18.30mm | 6.00mm | 4.00mm |

N Type Series Pin without Extended PTFE 4 Hole Flange



RFNA4JGIMF

- ⊕ Max Voltage 500V
- ⊕ Operating Temperature -55C to +155C
- ⊕ Frequency Range 0-18GHz
- ⊕ VSWR <1.30
- ⊕ Dielectric withstanding Voltage >1500V
- ⊕ Available with Extended PTFE



| Part Number | Plug or Jack | Flange Mount Length | Mount Hole Distance | Pin Diameter | Pin Length |
|-------------|--------------|---------------------|---------------------|--------------|------------|
| RFNA4JGIMF | Jack | 25.40mm | 18.30mm | 1.50mm | 2.00mm |
| RFNA4JFHMF | Jack | 17.50mm | 12.70mm | 1.50mm | 2.00mm |
| RFNA4JCCMF | Jack | 12.70mm | 8.60mm | 1.50mm | 2.00mm |
| RFNA4PGIMF | Plug | 25.40mm | 18.30mm | 1.50mm | 2.00mm |
| RFNA4PFHMF | Plug | 17.50mm | 12.70mm | 1.50mm | 2.00mm |

Electrical:

| | |
|----------------------------|---------|
| Insulation Resistance: | >5000MΩ |
| Impedance: | 50Ω |
| Centre Contact Resistance: | <1.0mΩ |
| Outer Contact Resistance: | <0.2mΩ |

Mechanical:

| | |
|---------------------------|------------------|
| Centre Contact Retention: | >20N |
| Coupling Torque: | 0.80Nm to 1.10Nm |
| Coupling Torque RPC N: | 1.36Nm |
| Cycles: | >500 |

Material

| | |
|------------|--------------------------------|
| Body: | Passivation of Stainless Steel |
| Contact: | Beryllium Copper |
| Insulator: | UNFILLED ULTEM 1000/PEI |
| RoHS: | Compliant |