

PART NUMBER
138-0408-011

REV	ECO	DATE
1	INITIAL RELEASE	05MAR2021

# NOTES:

## 1. MATERIAL AND FINISH:

- 1.1 BODY: BRASS, NICKEL PLATE
- 1.2 CONTACT: BRASS, GOLD PLATE
- 1.3 INSULATOR: PTFE
- 1.4 GASKET: SILICONE RUBBER, RED
- 1.5 RETENTION SPRING: BRASS
- 1.6 COUPLING NUT: BRASS, NICKEL PLATE
- 1.7 FERRULE: BRASS, NICKEL PLATE

## 2. ELECTRICAL SPECIFICATIONS:

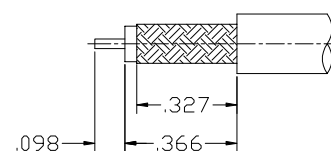
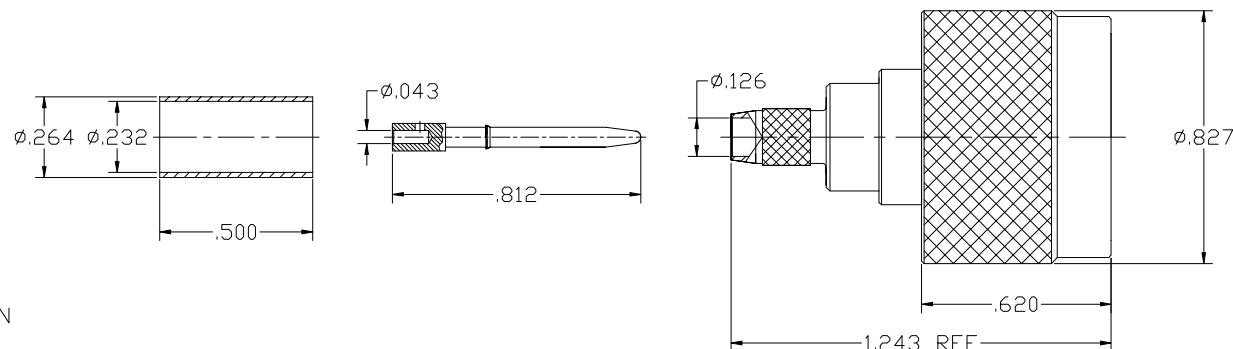
- 2.1 IMPEDANCE: 50 OHMS NOMINAL
- 2.2 FREQUENCY RANGE: DC~4.0 GHz
- 2.3 VSWR: 1.30 MAX
- 2.4 INSERTION LOSS: 0.1 dB MAX
- 2.5 VOLTAGE RATING: 500 VRMS MAX
- 2.6 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN
- 2.7 INSULATION RESISTANCE: 5000 MEGOHM MIN
- 2.8 CONTACT RESISTANCE:
  - 2.8.1 CENTER CONTACT – 3.0 MILLIOHM MAX
  - 2.8.2 OUTER CONDUCTOR – 1.0 MILLIOHM MAX

## 3. MECHANICAL SPECIFICATIONS:

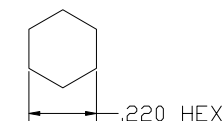
- 3.1 ENGAGE/DISENGAGE: 2.0 LBS MAX
- 3.2 COUPLING NUT TORQUE: 12-15 IN.LBS
- 3.3 DURABILITY: 500 CYCLES MIN

## 4. ENVIRONMENTAL:



- (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
- 4.1 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B  
EXEPT 200°C HIGH TEMP
  - 4.2 OPERATING TEMPERATURE: -65°C TO 165°C
  - 4.3 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, LESS STEP 7b
  - 4.4 MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
  - 4.5 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
  - 4.6 CORROSION: MIL-STD-202, METHOD 101, CONDITION B



RECOMMENDED CABLE  
STRIPPING DIMENSIONS



RECOMMENDED CRIMPING  
DIMENSIONS FOR FERRULE

 <p>This PROPRIETARY document is property of Cinch Connectivity Solutions. It is confidential in nature, non-transferable, and issued with the clear understanding that it is not traced or copied without permission and is returnable upon demand.</p> <p>INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.</p>	Model No:	138-0408-011/020		JOHNSON		
	RoHS <input checked="" type="checkbox"/> EU/2015/863 COMPLIANT	Cage Code	Title: N-TYPE STRAIGHT PLUG FOR RG142 CABLE			
	UNLESS OTHERWISE SPECIFIED UNITS: INCH	 3RD ANGLE PROJECTION	Drawing No.		REV	
	.XXX±.008 .XXX±.004	Drawn by: BILL PENG	138-0408-011/020		1	
	ANGLES ±5°	Date: 03/05/2021	Size B	DO NOT SCALE DRAWING	Workmanship Std: NONE	Sheet 1 OF 1

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Cinch Connectivity Solutions:](#)

[138-0408-011](#)