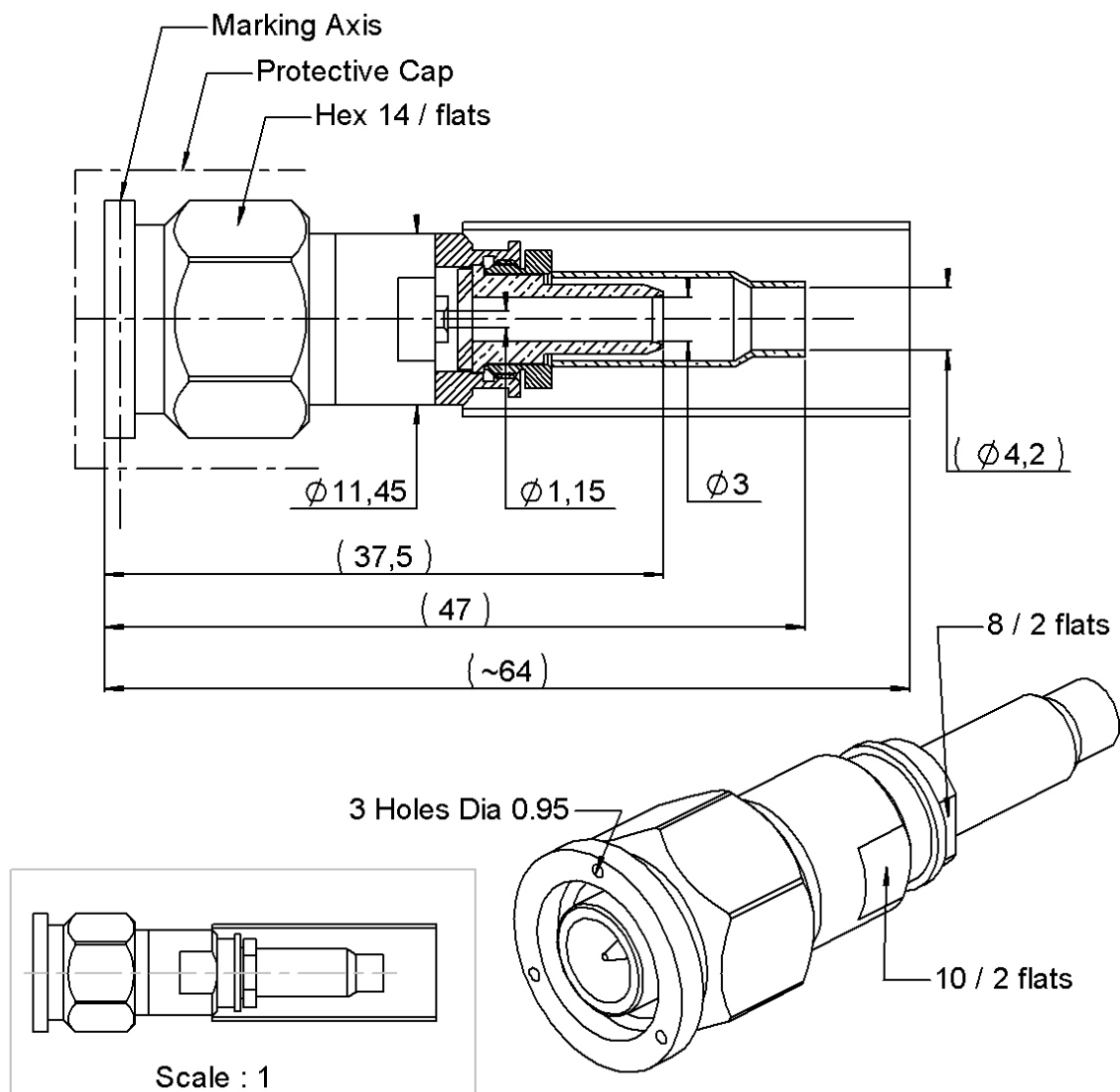


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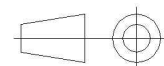
ISSUE  
27-01-25E

SERIES TNC

PART NUMBER R143088101



All dimensions are in mm. Tolerances according ISO 2768 m-H



COMPONENTS	MATERIALS	PLATING (µm)
Body	STAINLESS STEEL	PASSIVATED.
Center contact	BRASS	GOLD 0.5 OVER NICKEL 2
Outer contact	STAINLESS STEEL	PASSIVATED.
Insulator	PTFE	
Gasket	SILICONE RUBBER	
Others parts	BRASS	NICKEL 2
-	-	-
-	-	-

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ISSUE  
27-01-25E

SERIES TNC

PART NUMBER R143088101

## PACKAGING

Standard	Unit	Other
1	Contact us	Contact us

## ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-6	GHz
VSWR	1.20 + 0,000	x F(GHz) Maxi
Insertion loss	0.06	√F(GHz) dB Maxi
RF leakage	- ( *57	- F(GHz)) dB Maxi
Voltage rating	500	Veff Maxi
Dielectric withstanding voltage	1500	Veff mini
Insulation resistance	5000	MΩ mini

## MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	NA	N mini
Axial force – Opposite end	NA	N mini
Torque	NA	N.cm mini

Recommended torque		
Mating	265	N.cm
Panel nut	NA	N.cm
Clamp nut	370	N.cm
A/F clamp nut	8,000	mm

Mating life	500	Cycles mini
Nominal Weight (Add +15% for max weight)	21,471	g

## ENVIRONMENTAL

Operating temperature	-65/+165	°C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

## SPECIFICATION

## CABLE ASSEMBLY

Stripping mm	a	b	c	d	e	f
	9,000	9,000	23,000	0,000	0,000	0,000

Assembly instruction:

Recommended cable(s)

ASNE-0691-WM

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

- pull off	140	N mini
- torque	NA	N.cm

## TOOLING

Part Number	Description	Other
282997	LOCATOR	Red Position
R282223000	CRIMPING TOOL HEX 1.73-5.41-6.48	5.41
R282246000	CRIMPING DIES M22520/5-05.	Hex. 5.41 cavity A
R282293000	CRIMPING TOOL : M22520/5-01	
282291	CRIMPING TOOL M2252/1-01.	Selection 7

## Mil TOOLING REF EQUIVALENT :

M22520/1-01 = 282.991  
M22520/1-13 = 282.997  
M22520/5-05 = R282.246.000  
M22520/5-01 = R282.293.000

## OTHER CHARACTERISTICS

\* Up to 3 GHz

General stripping tolerances+/-0.1mm

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ISSUE 24-08-18E

SERIES TNC

PART NUMBER R143088101

HEATSHRINK SLEEVE

FERRULE

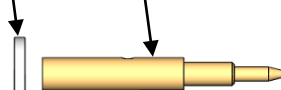
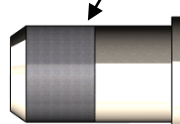
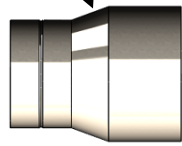
CLAMP NUT

CRIMP SLEEVE

INSULATOR

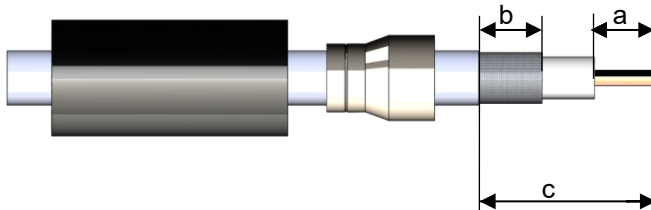
CENTER CONTACT

BODY



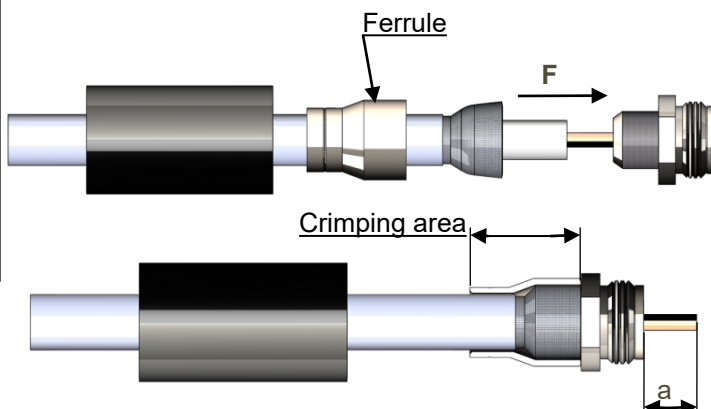
1

Slide onto the cable the heatshrink sleeve and the ferrule  
Strip the cable and cut the foil under the braid.  
Optionally, to facilitate the stripping of the inner cable, the length "a" could be stripped after crimping of the ferrule.



2

Slide the clamp nut onto the crimp sleeve.  
Slide sub-assembly under the braid.  
Slide ferrule over the braid against clamp nut. (In direction F)  
Crimp the ferrule with crimping tool (R282293000) + dies (282246)  
Or with the crimping tool R282223000



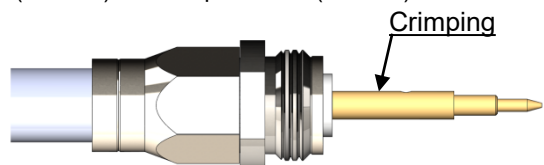
3

The dielectric must be in the same plane as the face of the crimp sleeve. Cut the dielectric flush to crimp sleeve if it exceeds. Clean the dielectric side.  
Mount insulator against crimp sleeve.



4

Slide the center contact onto the cable inner conductor against insulator.  
Crimp the center contact with the crimping tool (282291) and the positioner (282997).



5

Screw sub-assembly into the connector body. (Recommended coupling see the connector TDS)  
Slide sleeve heatshrink over ferrule and put in the place as below

