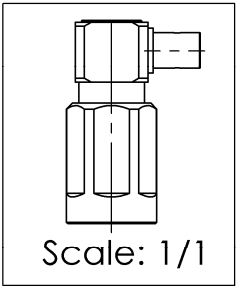
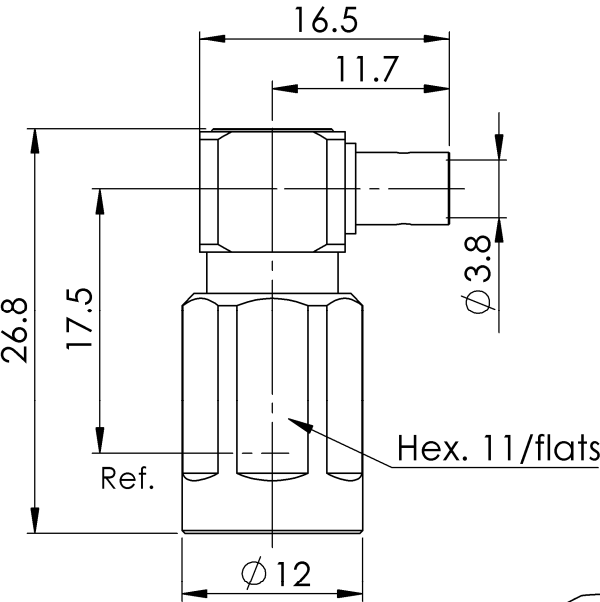
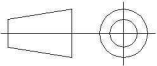


PAGE 1/3	ISSUE 09-10-17A	SERIES NEX10	PART NUMBER R180153007
----------	-----------------	--------------	------------------------



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



COMPONENTS	MATERIALS	PLATING (µm)
Body	BRASS.	BBR
Center contact	BRASS.	SILVER
Outer contact	BERYLLIUM COPPER	SILVER
Insulator	PTFE	
Gasket	SILICONE RUBBER	
Others parts	BRASS,BRONZE	BBR
-	-	-
-	-	-

PAGE 2/3

ISSUE 09-10-17A

SERIES NEX10

PART NUMBER R180153007

PACKAGING

Standard	Unit	Other
50	Contact us	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-20	GHz
VSWR	TBD* + 0.0000	x F(GHz) Maxi
Insertion loss	0.05	√F(GHz) dB Maxi
RF leakage	- (NA	- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	1000	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	300	N.cm
Panel nut	NA	N.cm
Clamp nut	NA	N.cm
A/F clamp nut	0.0000	mm
Mating life	100	Cycles mini
Weight	13.9400	g

ENVIRONMENTAL

Operating temperature	-55/+125	°C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	1.8	0	0	0	5.3	0

Assembly instruction:

Recommended cable(s)

RG 402

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	200	N mini
- torque	NA	N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.

OTHER CHARACTERISTICS

IP67 mated condition
*up to 6 GHz

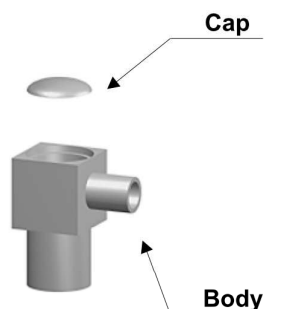
PAGE 3/3

ISSUE 09-10-17A

SERIES NEX10

PART NUMBER R180153007

COMPONENTS



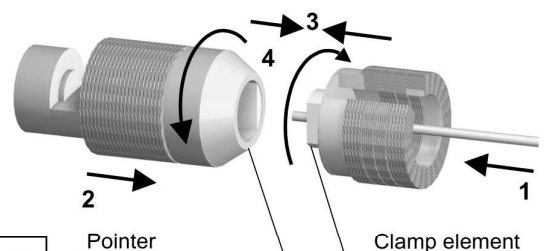
STRIPPING DIMENSIONS



We recommend a cable thermal preconditioning before assembly

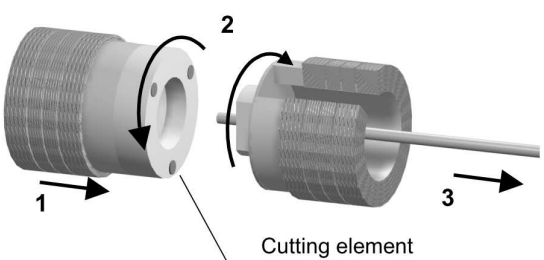
1

Insert the cable into the clamping element.
Present the pointer in front of the clamping element.
Push the cable until it stops, while holding the clamping element pushed on the hollow part of the pointer.
Turn the clamping part until the release of the pointer.



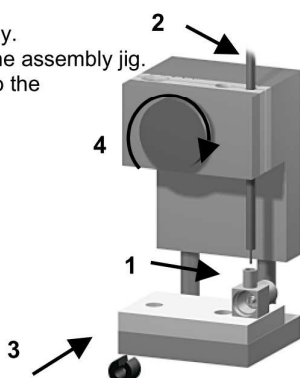
2

Present the cutting element in front of the cutting element.
Push and turn both elements, back part opposite to the front part.
Once they reach the stop, pull without revolving.



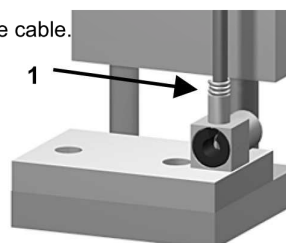
3

Insert the cable into the body.
Secure the positioner into the assembly jig.
Place the sub-assembly into the assembly jig.
Tighten.



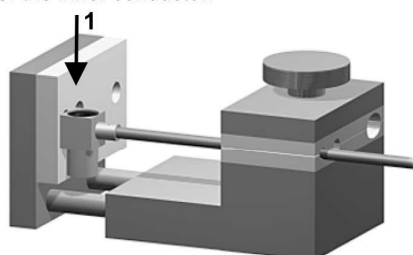
4

Put three rings of solder around the cable.
Solder the body onto the cable.



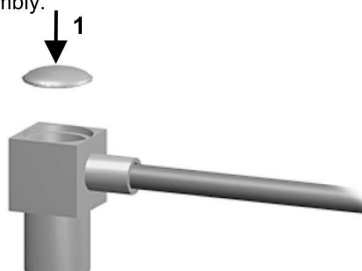
5

After cooling, remove the assembly from the jig.
Remove the positioner.
Solder the inner conductor.



6

Place the cap into the body.
Press on the cap flush or slightly below the surface of the body assembly.



Mouser Electronics

Authorized Distributor

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

Radial:

[R180153007](#) [R180153007W](#)