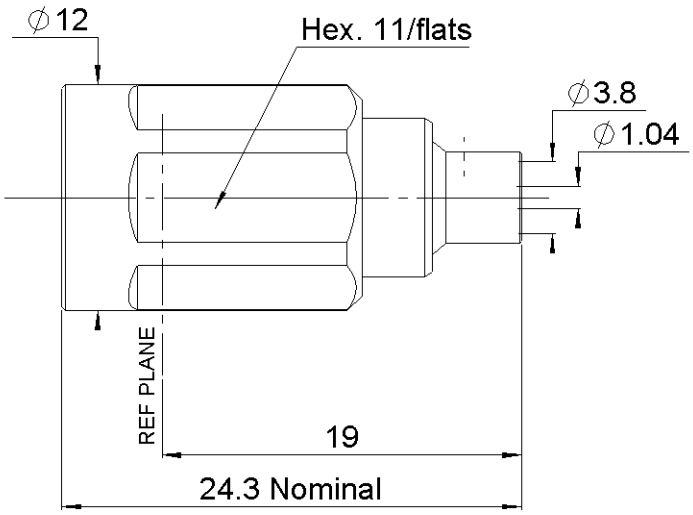
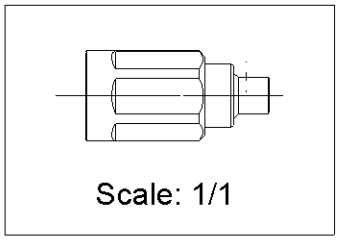
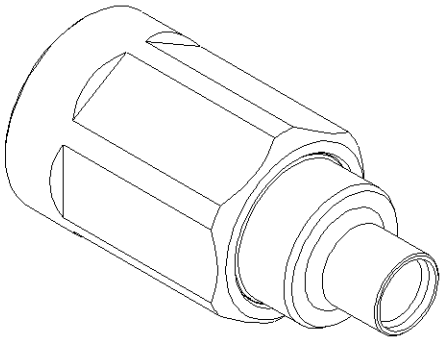
Technical Data Sheet

STRAIGHT SCREW PLUG SOLDER TYPE CABLE .141

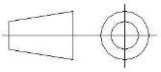
PAGE **1/3**	ISSUE **04-08-17B**	SERIES **NEX10**	PART NUMBER **R180052007**







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**
-	-	-
-	-	-

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PACKAGING

Standard	Unit	Other
50	**Contact us**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance			**50**	Ω
Frequency			**0-20**	GHz
VSWR	**1.02**	**+**	**0.0150**	x F(GHz) Maxi
Insertion loss			**0.05**	√F(GHz) dB Maxi
RF leakage	- (		**NA**	- 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	**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	**9.1900**	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	**3**	**0**	**0**	**0**	**0.85**	**0**

Assembly instruction**: NA**

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

IP68(1m,24h) mated condition
PIM3<=-123 dBm, 2 carriers of +43dBm

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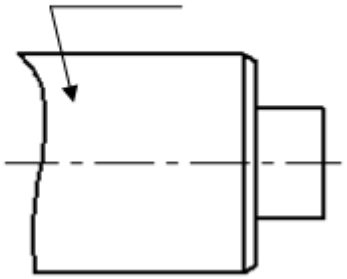
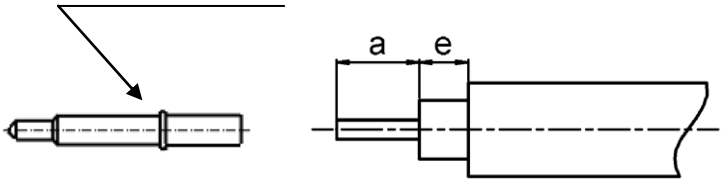
COMPONENTS

BODY



CENTER CONTACT



1

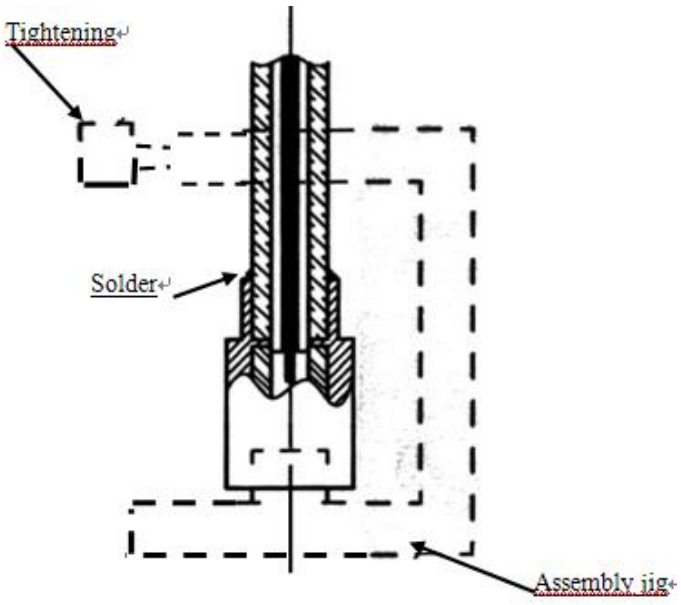
-Strip the cable with the cable stripping tool.
-Clean the cable

2

-Insert center contact until the cable
-Solder center contact

3

-Introduce the cable into the body until stop.
-Place the sub-assembly on assembly jig
-Solder body on the cable.
-Let assembly cool down before removing it from the jig.



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