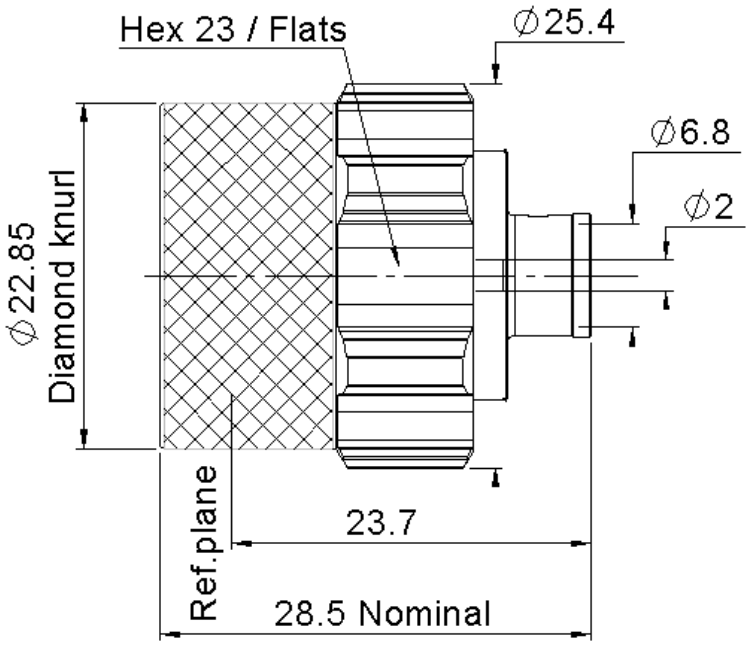
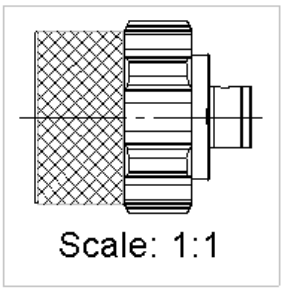
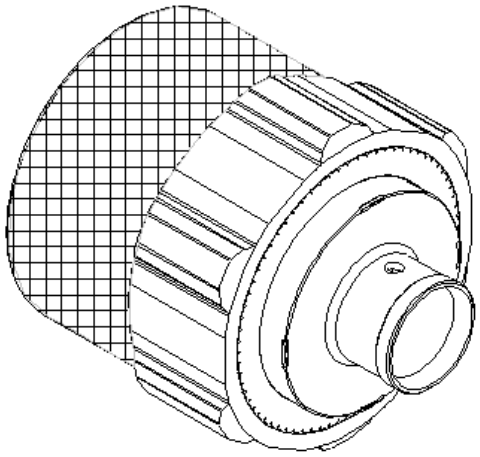
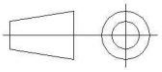
PAGE **1/3**	ISSUE **1416C**	SERIES **QLI**	PART NUMBER **R184062007**







All dimensions are in mm.



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

PACKAGING

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

ELECTRICAL CHARACTERISTICS

Impedance			**50**	Ω
Frequency			**0-6**	GHz
VSWR	**1.04**	**+**	**0.0200**	x F(GHz) Maxi
Insertion loss			**0.05**	√F(GHz) dB Maxi
RF leakage	- (		**NA**	- F(GHz)) dB Maxi
Voltage rating			**850**	Veff Maxi
Dielectric withstanding voltage			**1500**	Veff mini
Insulation resistance			**5000**	MΩ mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	**50**	N mini
Axial force – Opposite end	**30**	N mini
Torque	**NA**	N.cm mini
Recommended torque		
Mating	**NA**	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	**43.7560**	g

ENVIRONMENTAL

Operating temperature	**-55/+120**	°C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	**4**	**2.4**	**15**	**0**	**0**	**0**

Assembly instruction:

Recommended cable(s)

HCF 1/4" Cu2Y AlCu

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	**250**	N mini
- torque	**NA**	N.cm

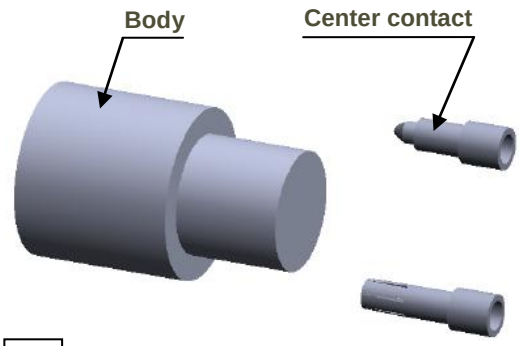
TOOLING

Part Number	Description	Hexagon
.	.	.

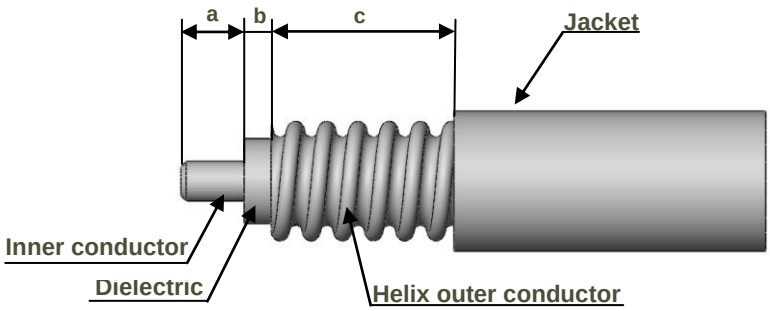
OTHER CHARACTERISTICS

IMP3<-120dBm under 2 carriers of +43dBm
IP67 mated condition

COMPONENTS

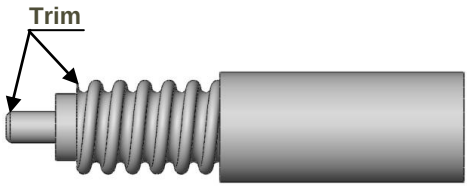


STRIPPING DIMENSION



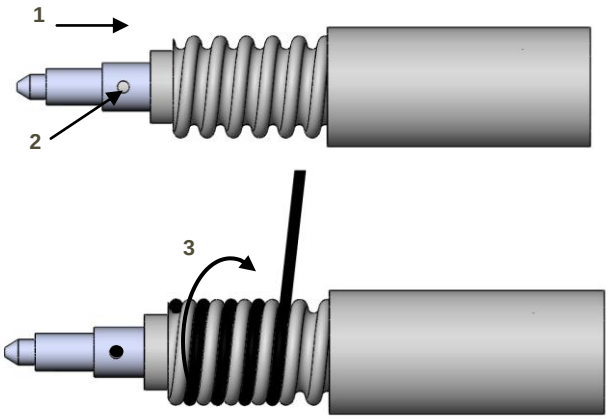
1

- Strip the cable.
- Do not damage the outer conductor.
- The end surface of inner conductor should be chamfered.
- Remove impurities such as copper scraps and burrs on the end surface of the cable.



2

-Slide the center contact until it bottoms against the cable dielectric.
- Solder center contact.
- Clean solder area.
- Wrap the cable by solder wire (Dia 0.8mm).



3

- Push the cable into the connector body, until it stops.
- Use the reserved solder wire to wrap the cable to fill the space between cable and connector.
- Solder the connector body with cable.