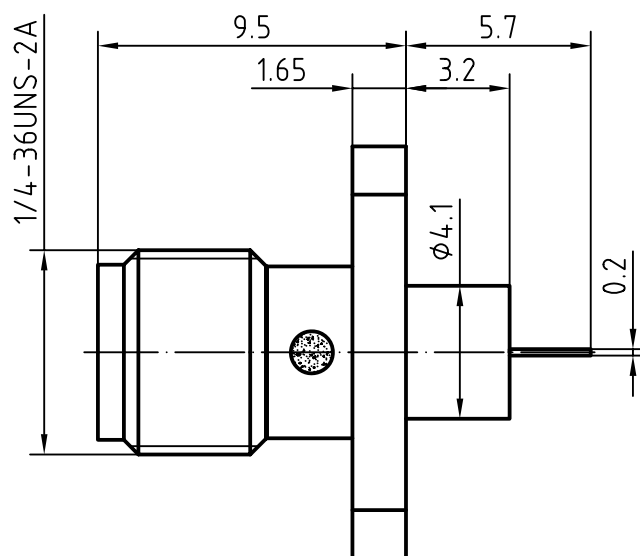
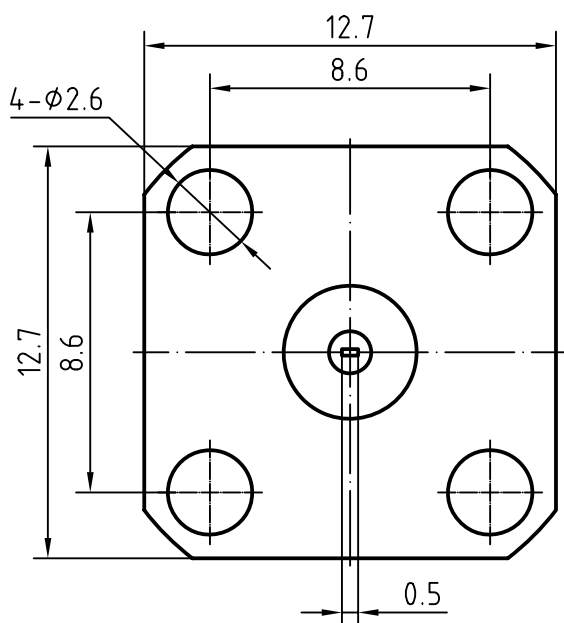
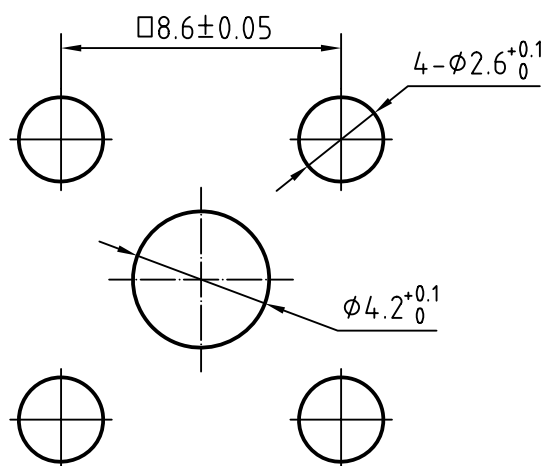


DRAWING



MOUNTING HOLE



3	1	Body	Brass/Gold plated	Gold 0.2um over Nickel 2.0um
2	1	Insulator	PTFE	
1	1	Center contact	Beryllium copper/Gold plated	Gold 0.5um over Nickel 2.0um

Designed by

Checked by

Approved by - date

File name

Date

Scale

Amitron Electronics, Ltd.

SMA-KFD14

<http://www.amel.ru>

Edition

Sheet

CHARACTERISTICS

DESCRIPTION:	SMA Type female FL connector
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Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 18.0 GHz</i>
<i>VAWR:</i>	$\leq 1.04 + 0.02 \times f \text{ [GHz]}$
<i>Insertion loss:</i>	$\leq 0.08 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
<i>Insulation resistance:</i>	$\geq 5000 \text{ M}\Omega$
<i>Test voltage:</i>	<i>1000 V rms</i>
<i>Working voltage:</i>	<i>480 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>3.0 mΩ</i>
2). Outer conductor:	<i>2.0 mΩ</i>
<i>Power handling (at 20 ° C, sea level, VSWR 1.0):</i>	$\leq 200 \text{ W @ 2 GHz}$
<i>RF-leakage:</i>	$\geq 100 \text{ dB up to 1 GHz}$

Environmental data:

<i>Temperature rating:</i>	<i>-65 ° C to +165 ° C</i>
<i>2002/95/EC (RoHS):</i>	<i>Compliant</i>

Mechanical data:

<i>Mating cycles:</i>	≥ 100
<i>Center contact captivation(axial):</i>	$\geq 20 \text{ N}$
<i>(radial):</i>	$\geq 1 \text{ Ncm}$
<i>Coupling test torque:</i>	$\leq 1.1 \text{ Nm}$
<i>Recommended torque:</i>	<i>0.46~0.69 Nm</i>

Suitable cables:

N/A