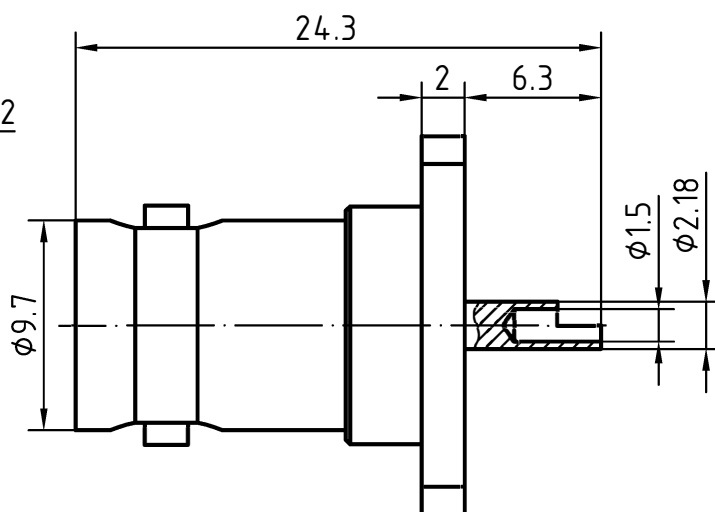
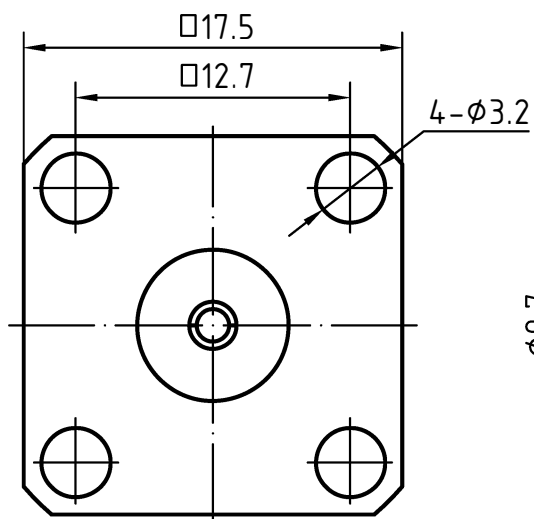
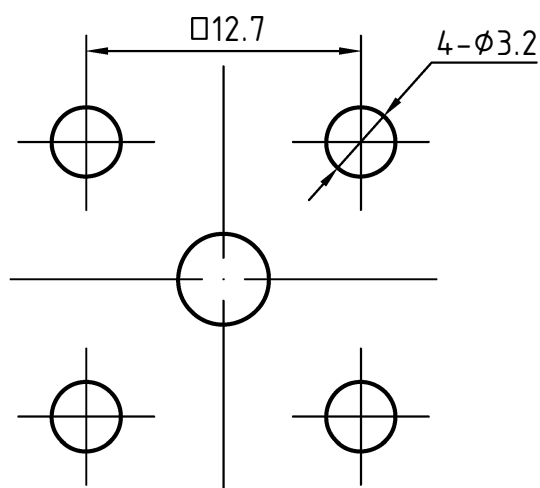


## DRAWING



## MOUNTING HOLE



|         |          |                                                  |                             |                                |
|---------|----------|--------------------------------------------------|-----------------------------|--------------------------------|
| 3       | 1        | Body                                             | Brass/Neckel plated         | Nickel 7.0um over Copper 2.0um |
| 2       | 1        | Insulator                                        | PTFE                        |                                |
| 1       | 1        | Centor contactor                                 | Phosphor bronze/Gold plated | Gold 0.3um over Nickel 2.0um   |
| Itemref | Quantity | Title/Name, designation, material, dimension etc |                             | Article No./Reference          |

Designed by  
Mingang HanChecked by  
Jinlong GUApproved by - date  
Hongyu DuFile name  
BNC-KFD10Date  
17.06.07Scale  
3 : 1

Amitron Electronics, Ltd.

BNC-KFD10

<http://www.amel.ru>Edition  
1.0Sheet  
1/1

## CHARACTERISTICS

|              |                              |
|--------------|------------------------------|
| DESCRIPTION: | BNC Type female FL connector |
|--------------|------------------------------|

### Electrical data:

|                        |                                                    |
|------------------------|----------------------------------------------------|
| Impedance:             | 50 ohm                                             |
| Frequency range:       | DC to 4 GHz                                        |
| VSWR:                  | $\leq 1.06 + 0.03 \times f[\text{GHz}]$            |
| Insertion loss:        | $\leq 0.08 \times \sqrt{f[\text{GHz}]} \text{ dB}$ |
| Insulation resistance: | $\geq 5000 \text{ M}\Omega$                        |
| Test voltage:          | 1500 V rms                                         |
| Working voltage:       | 500 V rms                                          |
| Contact resistance:    |                                                    |
| 1). Centre contact:    | 1.5 m $\Omega$                                     |
| 2). Outer conductor:   | 1.0 m $\Omega$                                     |
| RF Leakage :           | $\leq -(57 - f[\text{GHz}]) \text{ dB}$            |

### Environmental data:

|                     |                     |
|---------------------|---------------------|
| Temperature rating: | -55 ° C to +165 ° C |
| 2002/95/EC (RoHS):  | Compliant           |

### Mechanical data:

|                           |                            |
|---------------------------|----------------------------|
| Mating cycles:            | $\geq 500$                 |
| Center contact retention: | $\geq 18 \text{ N(axial)}$ |
| Torque:                   | $\geq 2.8 \text{ N.cm}$    |

### Suitable cables:

N/A