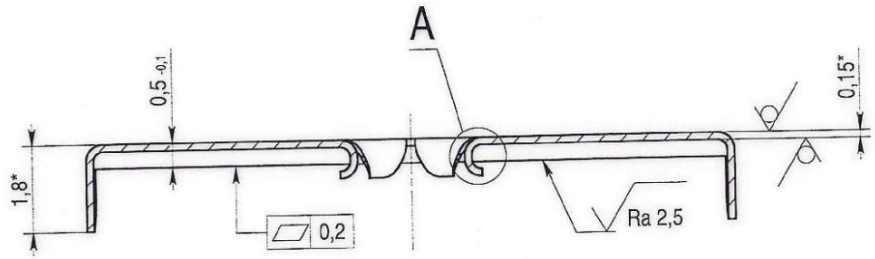
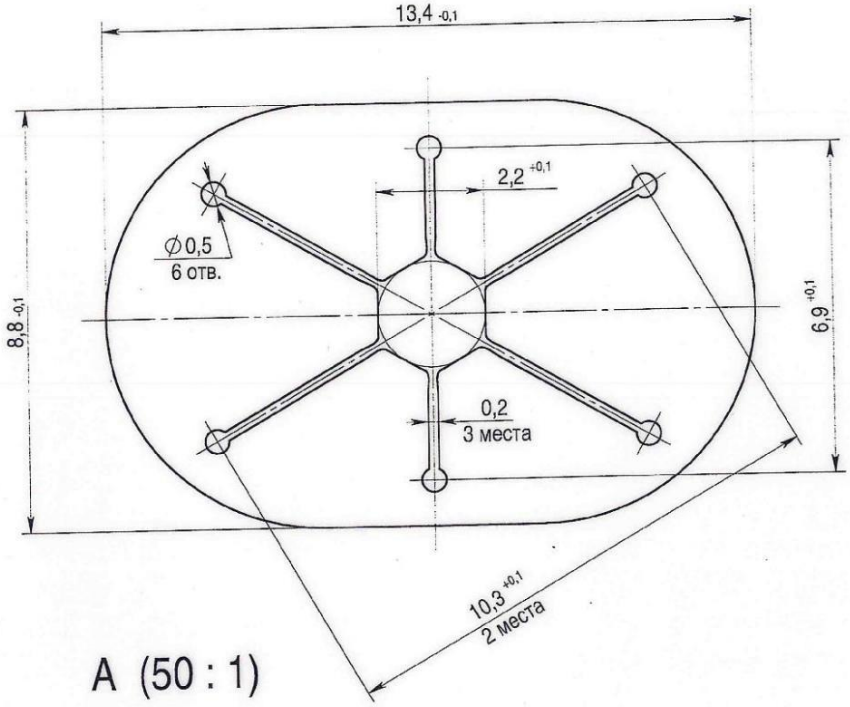
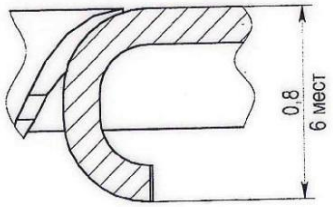
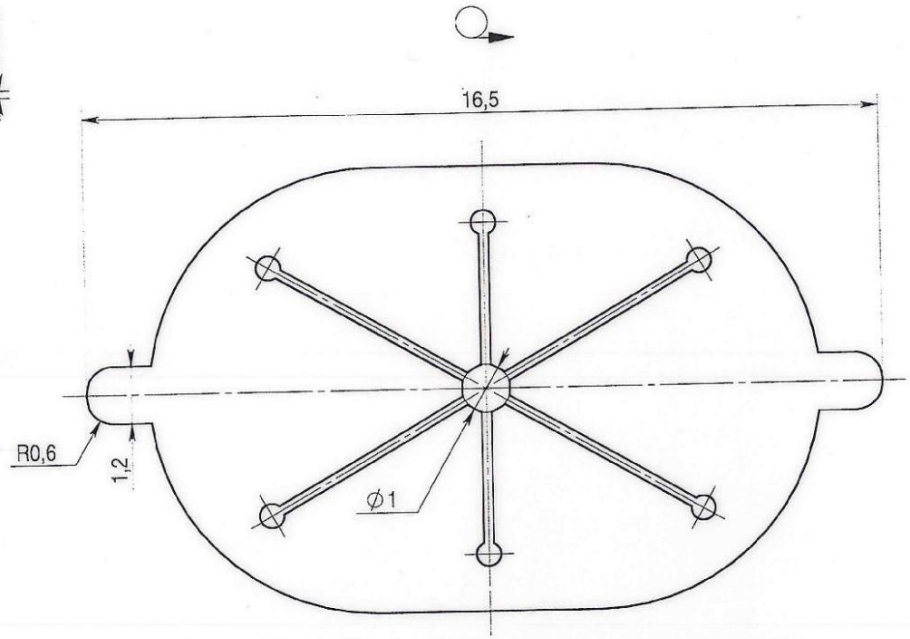




A (50 : 1)





Rz 40

1. 300...360 HV.
2. * Размеры для справок.
3. Внутренние радисы сгибов 0,2 мм.
4. Покрытие: Н6.
5. Остальные ТТ по ОСТ4 ГО.070.014.

	1211.003		
Контакт		Масса	Масштаб
		0,1 г	10:1
		Лист	Листов 1
Лента ДПРНМ 0,15 НД БрБ2 ГОСТ 1789-70			

Формат А3

Перв. примен.
Справ. №
Инв. № подл. | Подп. и дата | Взам. инв. № | Инв. № дубл.

The product "Connector 1211.003" must be made of tape DPRNM 0.15 ND BrB2 (ДПРНМ 0,15 НД БрБ2):

Material Specifications:

Base Material:

БрБ2 (BrB2) – A leaded brass alloy (analogous to CW712R in ISO or C38500 in ASTM).

Composition:

Copper (Cu): ~60-63%

Zinc (Zn): ~35-38%

Lead (Pb): ~1.5-2.5% (improves machinability)

Form:

FoilTape – Thin, flat-rolled product.

Dimensions:

Thickness: 0.15 mm

Width: Typically supplied in standard rolls (exact width depends on manufacturer; common range: 50–300 mm).

Temper/State:

НД (ND) – Soft-annealed, offering high ductility and ease of forming.

Surface Finish:

Unspecified in the code, but typically smooth or lightly polished (unless noted otherwise).

Key Properties:

Machinability: Excellent (due to lead content, ideal for precision stamping or drilling).

Electrical Conductivity: ~25–28% IACS (lower than pure copper).

Thermal Conductivity: ~110–120 W/(m·K).

Corrosion Resistance: Moderate (suitable for indoor/dry environments; not for marine use).

Density: ~8.5–8.8 g/cm³.

Melting Point: ~885–900°C.

Mechanical Properties (Typical for НД state):

Tensile Strength: 250–350 MPa

Elongation: 35–50%

Hardness: 60–80 HV (Vickers)

Standards:

Likely complies with GOST 2208-2007 (Russian standard for brass tapes).

Comparable to EN 1652 (CW712R) or ASTM B36 (C38500).

Typical Applications:

Precision components (e.g., watch parts, connectors).

Decorative inlays (due to smooth finish).

Electrical shims and gaskets.

Stamped parts requiring high machinability.

Notes:

Leaded brass (БрБ2) is chosen for free-cutting applications but is avoided in potable water systems due to lead content.

0.15 mm thickness makes it suitable for delicate, lightweight applications.

НД (Soft-annealed) state allows for deep drawing or bending without cracking

Method of preparation: cold-rolled. Section shape: rectangular. Manufacturing accuracy: normal in thickness and width. Condition: soft. Length: non-dimensional. Consists of an alloy of 97-98% Copper and Beryllium, also, the composition may include Nickel up to 0.5%; Iron 0.15%; Silicon 0.15%; Aluminum 0.15% and other impurities. The product must have an H6 coating.