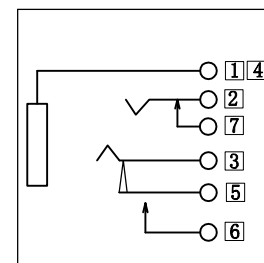
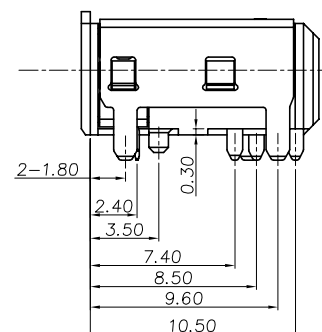
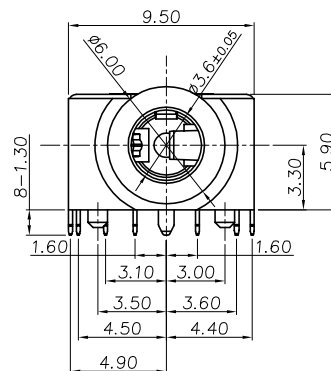
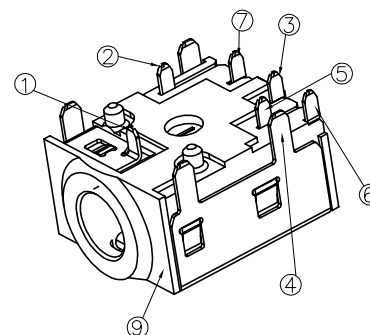


1. Electrical characteristics
 - 1-1. Current rating: DC 0.5A max.
 - 1-2. Voltage rating: DC 30V.
 - 1-3. Contact resistance: 50mΩ max.
 - 1-4. Insulation resistance: 100MΩ min. at 500V DC.
 - 1-5. Withstanding voltage: 500V AC for 1 minute.
2. Mechanical characteristics
 - 2-1. Life test: 5000 cycles min,
 - 2-2. Mating force: 3~30N,
Unmating force: 3~30N.



Technical drawing of a Matching Plug (Fig. 10.10). The drawing includes a side view (top) and a top view (bottom).

Side View Dimensions:

- Outer diameter: $\phi 3.5 \pm 0.05$
- Length: 8.5 ± 0.2
- Tip diameter: $\phi 2.5 \pm 0.1$
- Chamfer: 0.7 ± 0.1
- Step: 0.7 ± 0.1
- Length of step: 5.5 ± 0.2
- Length of plug body: 13 ± 0.3
- Length of plug body (including step): 14 ± 0.2
- Tip angle: 45°

Top View Dimensions:

- Overall width: 8.50
- Overall height: 9.60
- Distance from top edge to first hole: $2-1.80$
- Distance from left edge to first hole: 7.40
- Distance from left edge to second hole: $2-1.10$
- Distance from left edge to third hole: 3.00
- Distance from left edge to fourth hole: 3.60
- Distance from left edge to fifth hole: 4.40
- Distance from left edge to sixth hole: 4.90
- Distance from left edge to seventh hole: 4.50
- Distance from left edge to eighth hole: 3.50
- Distance from left edge to ninth hole: 3.10
- Distance from left edge to tenth hole: 1.60
- Distance from left edge to eleventh hole: 1.70
- Distance from left edge to twelfth hole: 2.40
- Distance from left edge to thirteenth hole: 2.40
- Distance from left edge to fourteenth hole: 2.40
- Distance from left edge to fifteenth hole: 2.40
- Distance from left edge to sixteenth hole: 2.40
- Distance from left edge to seventeenth hole: 2.40
- Distance from left edge to eighteenth hole: 2.40
- Distance from left edge to nineteenth hole: 2.40
- Distance from left edge to twentieth hole: 2.40
- Distance from left edge to twenty-first hole: 2.40
- Distance from left edge to twenty-second hole: 2.40
- Distance from left edge to twenty-third hole: 2.40
- Distance from left edge to twenty-fourth hole: 2.40
- Distance from left edge to twenty-fifth hole: 2.40
- Distance from left edge to twenty-sixth hole: 2.40
- Distance from left edge to twenty-seventh hole: 2.40
- Distance from left edge to twenty-eighth hole: 2.40
- Distance from left edge to twenty-ninth hole: 2.40
- Distance from left edge to thirtieth hole: 2.40
- Distance from left edge to thirty-first hole: 2.40
- Distance from left edge to thirty-second hole: 2.40
- Distance from left edge to thirty-third hole: 2.40
- Distance from left edge to thirty-fourth hole: 2.40
- Distance from left edge to thirty-fifth hole: 2.40
- Distance from left edge to thirty-sixth hole: 2.40
- Distance from left edge to thirty-seventh hole: 2.40
- Distance from left edge to thirty-eighth hole: 2.40
- Distance from left edge to thirty-ninth hole: 2.40
- Distance from left edge to fortieth hole: 2.40
- Distance from left edge to forty-first hole: 2.40
- Distance from left edge to forty-second hole: 2.40
- Distance from left edge to forty-third hole: 2.40
- Distance from left edge to forty-fourth hole: 2.40
- Distance from left edge to forty-fifth hole: 2.40
- Distance from left edge to forty-sixth hole: 2.40
- Distance from left edge to forty-seventh hole: 2.40
- Distance from left edge to forty-eighth hole: 2.40
- Distance from left edge to forty-ninth hole: 2.40
- Distance from left edge to fiftieth hole: 2.40

9	Housing	1	PA10T R630NH+30%GF UL 94V-0	Black
8	Insulator	1	PA10T R630NH+30%GF UL 94V-0	Black
7	Shunt terminal [7]	1	Phosphor bronze, 0.25t	Gold Flash
6	Shunt terminal [6]	1	Phosphor bronze, 0.20t	Gold Flash On Contact Area Tin Plating on Solder Tail Area, All over Nickel Plated
5	Transfer Spring [5]	1	Phosphor bronze, 0.20t	
4	Shell [4]	1	Phosphor bronze, 0.20t	
3	Ring spring [3]	1	Phosphor bronze, 0.20t	30u" Au On Contact Area Tin Plating on Solder Tail Area, All over Nickel Plated
2	Tip spring [2]	1	Phosphor bronze, 0.20t	
1	Earth spring [1]	1	Phosphor bronze, 0.20t	
NO.	DESCRIPTION	QTY	MATERIAL	REMARK

SSYE