General notes on the various elements of the assembly:
Element 1 -> Recommended to be made from a Ø2mm copper rod obtained from bare braided cable for electrical protection systems. Bend using a template in such a way as to maintain a constant radius.
Element 2 -> N female connector, flange fixing.
Item 3 -> Internal fixing bracket. Recommended creation by 3D printing with a rigid plastic material (ABS, PLA, PTEG, or similar) starting from the STL file named "jpole868-F3".
Element 4 -> Plastic tube with an external diameter of 42mm. Available commercially in imperial sizes with an equivalent value of 1 1/4". No strict precision requirements on length measure, as long as it allows the closure of the top cap without contact with the radiating element of the antenna. The use of PVC with UV protection additives, or spray painting with an equivalent product is suggested. A white material is preferable to allow greater reflection of solar radiation.
Item 5 -> Antenna Bottom Cap. Recommended 3D printing to obtain precise hole measurements with the shape of the N connector. Possible production with a commercial cap as long as thickness permits to screw connector in place without trouble. Preferably use the same material and color as the tube, same recommendations regarding resistance to atmospheric agents and reflection of solar radiation apply.
Item 6 -> Antenna top cap. The same recommendations regarding elements 4 and 5 apply.

References to previous elements are in the table at the bottom of the page.

ELEMENT	QTÀ	PART CODE	DESCRIPTION
1	1	jpole868-P1	Radiation element
2	1	jpole868-P2	N connector
3	2	jpole868-P3	Internal bracket
4	1	jpole868-P4	Tube
5	1	jpole868-P5	Bottom cap
6	1	jpole868-P6	Top cap
7	5	ISO 1580 - M3 x 12	
8	5	ISO 4032 - M3	
9	6	ISO 7089 - 3	
10	1	jpole868-P7	

Progettato da	Controllato da	Approvato da	Data	Data	
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