2. The voltage surge attractor of claim **1**, further comprising:

a mounting seat comprising a collar extending outward around the circumference of the main body near the bottom end of the main body.

3. The voltage surge attractor of claim **1**, wherein the main body, cone portion and cap are formed as a single, integral structure.

4. The voltage surge attractor of claim **1**, wherein the main body, cone portion and cap are separate parts which are attached together.

5. The voltage surge attractor of claim **1**, wherein the main body, cone portion and cap are made of a metal and covered with gold plating.

6. The voltage surge attractor of claim **1**, further comprising:

a mounting seat comprising a collar extending outward around the circumference of the main body near the bottom end of the main body; and wherein

the main body, cone portion and cap are formed as a single, integral structure; and

the main body, cone portion and cap are made of a metal and coated with gold plating.

7. An electronic device, comprising:

a substrate having a plurality of electronic components and conductive traces disposed on the substrate;

a chassis ground disposed on the substrate and forming a chassis ground plane; and

a voltage surge attractor comprising:

a cylindrical main body having a bottom end configured to be mounted to a printed circuit board and a top end;

a cone portion in the shape of a conical frustum, the cone portion extending from the top end of the main body in which a base of the cone portion is on the top end of the main body and the cone portion tapers upward from base to a cone top; and

a cap extending upward from the cone top, the cap having one of a spherical shape, a spheroidal shape, or an ellipsoidal shape;

wherein the bottom end of the voltage surge attractor is mounted on the substrate in electrical connection to the chassis ground plane, and the main body extends away from the substrate.

8. The electronic device of claim **7**, wherein;

the substrate comprises a plurality of layers, including a top layer, and one or more lower layers;

the chassis ground is disposed on the top layer;

the voltage surge attractor is mounted on the top layer; and

the top layer and the one or more lower layers each have a plurality of vias which electrically connect each layer to the chassis ground.

9. The electronic device of claim **7**, further comprising:

a plurality of the voltage surge attractors mounted on the substrate in spaced apart relation, wherein a bottom end of each of the voltage surge attractors is mounted on the substrate in electrical connection to the chassis ground trace with each respective main body extending away from the substrate.

10. The electronic device of claim **7**, wherein:

the chassis ground completely encloses a perimeter of a surface of the substrate; and

an isolated ground is disposed on the surface of the substrate within an area enclosed by the chassis ground, the isolated ground electrically isolated from the chassis ground.

11. The electronic device of claim **7**, wherein the voltage surge attractor further comprises a mounting seat comprising a collar extending outward around the circumference of the main body near the bottom end of the main body.

12. The electronic device of claim **7**, wherein the main body, cone portion and cap of the voltage surge attractor are formed as a single, integral structure.

13. The electronic device of claim **7**, wherein the main body, cone portion and cap of the voltage surge attractor are separate parts which are attached together.

14. The electronic device of claim **7**, wherein the main body, cone portion and cap of the voltage surge attractor are made of a metal and plated with gold.

15. The electronic device of claim **7**, wherein:

the voltage surge attractor further comprises a mounting seat comprising a collar extending outward around the circumference of the main body near the bottom end of the main body;

the main body, cone portion and cap are formed as a single, integral structure; and

the main body, cone portion and cap are made of a metal and covered with gold plating.

16. An electronic device, comprising:

a substrate having a plurality of electronic components and conductive traces disposed on the substrate, the substrate comprising a plurality of layers including a top layer and one or more lower layers, the top layer and one or more lower layers each having a plurality of vias which electrically connect each layer to the chassis ground;

a chassis ground disposed on the top layer of the substrate and forming a chassis ground plane; and

a plurality of voltage surge attractors mounted on the top layer of the substrate in spaced apart relation and in electrical connection to the chassis ground, each voltage surge attractor comprising:

an elongated main body having a bottom end configured to be mounted to a printed circuit board and a top end;

a cap extending upward from the top end, the cap having one of a spherical shape, a spheroidal shape, or an ellipsoidal shape; and

the bottom end of each voltage surge attractor mounted on the substrate to the chassis ground with the respective main body extending away from the substrate.

17. The electronic device of claim **16**, wherein:

the chassis ground completely encloses a perimeter of the substrate; and

an isolated ground is disposed on the substrate within an area enclosed by the chassis ground, the isolated ground electrically isolated from the chassis ground.

18. The electronic device of claim **16**, wherein the voltage surge attractor further comprises a mounting seat comprising a collar extending outward around the circumference of the main body near the bottom end of the main body.

19. The electronic device of claim **16**, wherein the main body, cone portion and cap of each voltage surge attractor are formed as a single, integral structure.