

5 Extended ESD Performance

For a dedicated charging port, ESD performance can be extended beyond level 4 because there are no high-speed USB signal integrity concerns. The configurations shown in Figure 4 have been tested successfully up to ± 12 -kV contact and ± 20 -kV air discharge.

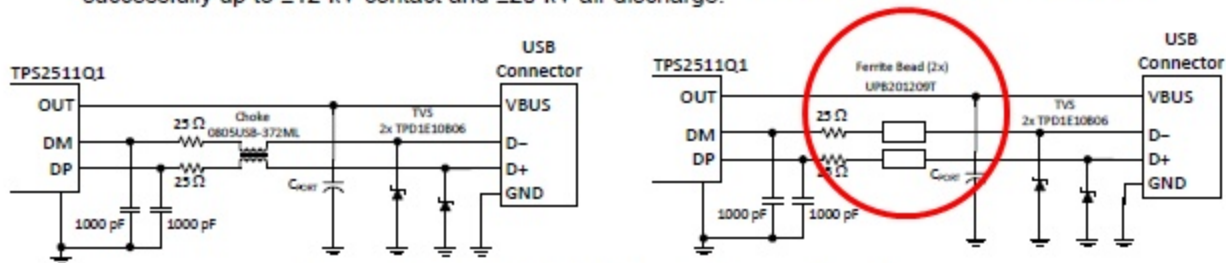


Figure 4. Extended ESD Protection Circuit Examples