WHAT IS CLAIMED IS:

1. A wound monitoring and/or therapy apparatus comprising:

a wound dressing configured to be positioned over a wound, the wound dressing comprising a wound contact layer, the wound contact layer comprising:

a wound facing side configured to face the wound when the wound dressing is positioned over the wound,

a non-wound facing side opposite the wound facing side, and

a first plurality of flocked fibers positioned on one of the wound facing side and the non-wound side, the first plurality of flocked fibers comprising material configured to allow distribution of wound fluid laterally, vertically, or laterally and vertically along the flocked layer when the wound dressing is positioned over the wound.

2. The apparatus of claim 1, wherein the wound contact layer comprises a second plurality of flocked fibers positioned on the other of the wound facing side or the non-wound facing side.

3. The apparatus of one or more preceding claims, wherein the wound contact layer comprises at least one perforation configured to allow fluid to pass through the wound contact layer.

4. The apparatus of claim 3, wherein the first plurality of flocked fibers is configured to transport fluid from a location remote to the at least one perforation toward the at least one perforation.

5. The apparatus of any of claims 3 or 4, wherein:

the wound dressing further comprises a secondary wound contact layer positioned above the wound contact layer and a fluid absorbing layer positioned above the secondary wound contact layer;

the secondary wound contact layer comprises at least one perforation configured to allow fluid to pass through the wound contact layer into the fluid absorbing layer; and

the at least one perforation in the secondary wound contact layer is horizontally offset from the at least one perforation in the wound contact layer.

6. The apparatus of one or more preceding claims, wherein the first plurality of flocked fibers is arranged as a plurality of hairs or loops.

7. The apparatus of one or more preceding claims, wherein the wound contact layer is substantially stretchable.

8. The apparatus of one or more preceding claims, wherein the wound contact layer comprises a film layer.

9. The apparatus of any one of claims 1-7, one or more preceding claims, wherein the wound contact layer comprises a porous layer.

10. The apparatus of one or more preceding claims, wherein the wound contact layer comprises polyurethane.

11. The apparatus of one or more preceding claims, wherein the first plurality of flocked fibers comprises soft material configured to cushion the wound contact layer when the wound dressing is positioned over the wound.

12. A wound monitoring and/or therapy apparatus comprising:

a wound dressing configured to be positioned over a wound, the wound dressing comprising:

a wound contact layer comprising one or more electronic components and one or more electronic connections that connect at least some of the one or more electronic components; and

an acquisition distribution layer above the wound contact layer, the acquisition distribution layer configured to allow distribution of fluid.

13. The apparatus of claim 12, wherein the wound contact layer comprises at least one perforation configured to allow fluid to pass through the wound contact layer.

14. The apparatus of claim 13, wherein the acquisition distribution layer is configured to transport fluid from a location remote to the at least one perforation toward the at least one perforation.

15. The apparatus of any of claims 13 or 14, wherein:

the wound dressing further comprises a secondary wound contact layer positioned above the wound contact layer and a fluid absorbing layer positioned above the secondary wound contact layer;

the secondary wound contact layer comprises at least one perforation configured to allow fluid to pass through the wound contact layer into the fluid absorbing layer; and

the at least one perforation in the secondary wound contact layer is horizontally offset from the at least one perforation in the wound contact layer.

16. The apparatus of any one of claims 12-15, wherein the wound contact layer is substantially stretchable.

17. The apparatus of any one of claims 12-16, wherein the acquisition distribution layer is configured to cushion the wound contact layer when the wound dressing is positioned over the wound.

18. The apparatus of any one of claims 12-17, wherein the acquisition distribution layer is configured to laterally wick fluid.

19. The apparatus of any one of claims 12-18, wherein the acquisition distribution layer comprises multiple internal layers.

20. The apparatus of any one of claims 12-19, wherein the acquisition distribution layer is stretchable at least in one direction.

21. The apparatus of any one of claims 12-20, wherein the acquisition distribution layer comprises one or more slits.

22. The apparatus of any one of claims 12-21, wherein the acquisition distribution layer comprises multiple pieces of fabric.

23. The apparatus of any one of claims 12-22, wherein the wound contact layer comprises a porous layer.

24. The apparatus of any one of claims 12-23, wherein the wound contact layer comprises a film layer.

25. The apparatus of any one of claims 12-24, wherein the wound contact layer comprises polyurethane.

26. A wound monitoring and/or therapy apparatus comprising:

a wound dressing configured to be positioned over a wound, the wound dressing comprising a flexible wound contact layer supporting a plurality of electronic components and a plurality of electronic connections that connect at least some of the plurality of the electronic components,

the wound contact layer comprising at least one perforation configured to permit flow of wound exudate.

27. The apparatus of claim 26, wherein the at least one perforation comprises a first perforation positioned substantially in a center of the wound contact layer and a second perforation positioned at least partially at a periphery of the wound contact layer.

28. The apparatus of claim 26 or 27, wherein the at least one perforation includes substantially smooth sides.

29. The apparatus of any one of claims 26-28, wherein the at least one perforation includes substantially smooth edges.

30. The apparatus of any one of claims 26-29, wherein the plurality of electronic connections include substantially round corners.

31. The apparatus of any one of claims 26-30, wherein the at least one perforation comprises a plurality of perforations formed along a thickness of the wound contact layer.

32. The apparatus of claim 31, wherein the plurality of perforations are substantially parallel to one another.

33. The apparatus of claim 31, wherein the plurality of perforations comprise first and second perforations, the first perforation formed along a first direction different from a second direction along which the second perforation is formed.