summary is not intended to identify key features of the claimed subject matter, nor is it intended to be used as an aid in determining the scope of the claimed subject matter.

[0005] In various aspects of the present disclosure, multiparameter lead sets including a plurality of monitoring devices (also interchangeably referred to herein as "patient connectors") that may be attached to a patient and electronically communicate with a patient monitor via a cable system are described, in addition to methods of use thereof. The lead sets may include a variety of sensors and/or other devices that are attachable or otherwise connectable to patient to provide health indicators, such as one or more temperature sensors, a plurality of electrodes or electrode connectors configured to selectively mount to electrodes for monitoring the electrical activity of the heart, and/or an SpO_2 or other sensor for monitoring patient blood oxygen saturation levels. The multiparameter lead set may have a single or multiple lead connectors configured be connectable to a single or multiple monitoring stations. The single or multiple connectors may consolidate the connection of multiple monitoring devices and/or leads for use with the single or multiple monitoring stations.

[0005a] In an aspect, the present disclosure refers to a multiparameter leadset with a single lead set connector having a plurality of patient leads and configured to interface with a monitoring device for monitoring a plurality of health indicators of a patient, the multiparameter leadset comprising:

a first patient lead for electrocardiogram (ECG) monitoring, the first patient lead extending between a first lead distal end and a first lead proximal end, wherein the first lead distal end comprises a plurality of ECG leads that are configured to be attached to the patient, and the first lead proximal end includes at least a first lead connector;

a second patient lead for monitoring a second health indicator of the patient with a second lead connector at the second lead proximal end and a second patient connector that is configured to be connected to a second health indicator monitoring sensor; and

a third patient lead for monitoring a third health indicator of the patient with a third lead connector at the third lead proximal end and a third patient connector that is configured to be connected to third health indicator monitoring sensor, wherein the second patient connector and the third patient connector are configured to be removably connected to one another via an interconnection feature and wherein the single lead set connector comprises at least one of a flat style connector or printed circuit board (PCB) or a flat style connector or PCB receiving input device interface with a plurality of lead connectors comprising the first, second and third lead connectors, and wherein the single lead set connector is configured to interface with a monitoring device through a multiparameter input device.

[0006] In one example of the present disclosure, a multiparameter lead set is disclosed. The multiparameter lead set may include a first patient lead for monitoring a first health indicator of a patient, the first patient lead extending between a first lead distal end and a first lead proximal end. The first patient lead may further include a first patient connector at the first lead distal end that is configured to be attached to a patient for monitoring the first health indicator of the patient and a first lead connector at the first lead proximal end. The first patient lead may further include a first lead interconnection feature. The multiparameter lead set may further include a second patient lead for monitoring a second health indicator of the patient, the second patient lead extending between a second lead distal end and a second lead proximal end. The second patient connector at the second lead distal end may be configured to be attached to the patient for monitoring the second health indicator of the patient; and may be connected to a second lead connector at the second lead proximal end. The second patient lead may further include a second lead interconnection feature, wherein the first lead interconnection feature and the second lead interconnection feature are interconnectable to removably connect a first portion of the first patient lead to a second portion of the second patient lead. For example, the first patent lead may have a series of 3, 5, 6, 10, or 14 ECG patient connectors at a distal end, a first