WHAT IS CLAIMED IS:

1. A connector-and-conductor assembly, comprising:
   a. an electronic connector having an outlet section; and
   b. a multiplicity of elastic conductive textile stripes comprising conductive textile yarn,

wherein each said elastic conductive textile stripes is conductively connected, at a first end, to a respective preconfigured outlet pin of said electronic connector; and
wherein the second end of each said elastic conductive textile stripes is preconfigured to operatively attach to a respective sensor.

2. The connector-and-conductor assembly as in claim l, wherein said electronic connector is a HDMI connector.

3. The connector-and-conductor assembly as in claim l, wherein said sensor is a textile electrode of a smart garment.

4. The connector-and-conductor assembly as in claim 1 is made of materials withstanding washing by washing machines and drying by drying machines.

5. The connector-and-conductor assembly as in claim l, wherein said electronic connector includes a PCB board having a multiplicity of connector pins, wherein each said elastic conductive textile stripes is securely and conductively attached to a respective pin of said multiplicity of connector pins.

6. The connector-and-conductor assembly as in claim 5, wherein said securely attachment of each said elastic conductive textile stripes to a respective pin of said multiplicity of connector pins is done either by pressing said respective pin onto said respective conductive textile stripe, or by using conductive glue or by a combination thereof.

7. The connector-and-conductor assembly as in claim 5, wherein said PCB board comprises at least one protective means that breaks open a respective electric line, upon a high electric surge.

8. The connector-and-conductor assembly as in claim l, wherein said electronic connector includes a connector-housing, and wherein said connector-housing and a portion of said elastic conductive textile stripes, proximal to the electronic connector, are wrapped by a mold.

9. The connector-and-conductor assembly as in claim 1 further including a fitted cap plugged into an open end of said electronic connector, to thereby further seal the connector-and-conductor assembly.

10. The connector-and-conductor assembly as in claim I further including an attachment element for securing the connector-and-conductor assembly onto a smart garment.

11. The connector-and-conductor assembly as in claim l, wherein said outlet section of said electronic connector is generally perpendicular to the incoming direction of said conductive textile stripes, entering said electronic connector.

12. A HDMI interface (I/F) device facilitating any external monitoring unit to operatively connect to a smart garment via the connector-and-conductor assembly of claim l, HDMI interface (I/F) device comprising:

a. a paired-connector inlet;
b. an I/F housing having a first face and a second face; and
c. a PCB I/F assembly,

wherein said paired-connector inlet is adapted to operatively connect to said outlet section of said electronic connector;
wherein a predetermined number of external connecting means are securely attached to said PCB I/F assembly at preconfigured location at one or both sides of said PCB I/F assembly; and wherein respective openings, at locations corresponding to locations of said external connecting means on said PCB I/F, are formed in said first and/or second faces of said I/F housing, to facilitate access to said external connecting means.

13. The connector-and-conductor assembly as in claim 12, wherein said paired-connector inlet is adapted to fit said outlet section of said electronic connector.

14. The connector-and-conductor assembly as in claim 12, wherein said external connecting means is selected from the group including snap buttons and crocodile connectors.

15. The connector-and-conductor assembly as in claim 12, wherein said PCB I/F assembly comprises at least one protective means that breaks open a respective electric line upon a high electric surge.

16. The connector-and-conductor assembly as in claim 12, wherein the external monitoring unit is an ECG processing and monitoring unit.