Printed Electronics

Declarations

Parlex Printed Electronic solutions are made to the following standards:

ASTM-F2359 – Standard Test Method for Determining Color of a Membrane Switch Backlit with Diffuse Light Source

ASTM-F2360 – Standard Test Method for Determining Luminance of a Membrane Switch Backlit with Diffuse Light Source

ASTM-F1680 & F1681 – Standard Test Method for Determining Circuit Resistance of a Membrane Switch, Standard Test Method for Determining Current Carrying Capacity of a Membrane Switch Circuit

ASTM-F1689 – Standard Test Method for Determining the Insulation Resistance of a Membrane Switch

ASTM-F1842 – Standard Test Method for Determining Ink or Coating Adhesion on Plastic Substrates for Membrane Switch Applications

ASTM-1896 – Test Method for Determining the Electrical Resistivity of a Printed Conductive Material

ASTM-F1995 & F1996 – Standard Test Method for Determining the Shear Strength of the Bond between a Surface Mount Device (SMD) and Substrate in a Membrane Switch, Standard Test Method for Silver Migration for Membrane Switch Circuitry

ASTM-F2073 – Standard Test Method for Non-Destructive Short Circuit Testing of a Membrane Switch

ASTM-F2187 to F2188 – Standard Test Method for Determining the Effect of Random Frequency Vibration on a Membrane Switch or Membrane Switch Assembly, and Standard Test Method for Determining the Effect of Random Frequency Vibration on a Membrane Switch or Membrane Switch Assembly

ASTM-F2537 – Standard Practice for Calibration of Linear Displacement Sensor Systems Used to Measure Micro motion

ASTM-1598 – Standard Test Method for Determining the Effects of Chemical/Solvent Exposure to a Membrane Switch/Graphic Overlay (Spot Test Method)

ASTM-F1661 to F1663 – Standard Test Method for Determining the Contact Bounce Time of a Membrane Switch, Standard Test Method for Verifying the Specified Dielectric Withstand Voltage and Determining the Dielectric Breakdown Voltage of a Membrane Switch, and Standard Test Method for Determining the Capacitance of a Membrane Switch

ASTM-F2592 – Standard Test Method for Measuring the Force-Displacement of a Membrane Switch

Printed Electronics

Declarations

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A Johnson Electric Company

Industry Products Group – Parlex (Europe) Ltd.

Statement

The European Union (EU) issued Directive 2002/95/EC on the Restriction of certain Hazardous Substances (RoHS) that applies to most electrical and electronic equipment placed on the market after July 1, 2006.

The directive requires elimination or limited use of mercury, cadmium, lead, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE) in electronic equipment.

To the best of our knowledge, our material suppliers do not use in the manufacture of their products the hazardous substances which are listed in the above mentioned EU Directive.

Parlex Europe has been proactively working towards compliance with the directive in support of our customer's needs and is able to offer its customers RoHS compliant products.

Place and date: Parlex (Europe) Ltd., 08-10-2014

Ann Manning
Quality Manager
Parlex (Europe) Ltd.

This statement is based on our current level of knowledge and covers the products as supplied by Parlex (Europe) Ltd. At the date of issue. Since conditions of use are outside Parlex (Europe) Ltd. Control, Parlex (Europe) Ltd. Makes no warranties, express or implied assumes no liability in connection with any use of this information.

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REACH – Declaration

The European REACH Regulation 1907/2006 on Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) entered into force on June 1, 2007, and affects all companies producing, importing, using, or placing products on the European market. The aim of the REACH regulation is to ensure a high level of protection of human health and the environment from chemical substances.

Parlex Europe Ltd is a manufacturer of electronic products, thus – in the sense of REACH – we are so – called "Downstream users". The products we produce and supply to you are considered articles as defined in REACH Article 3 (3). These products/articles under normal and reasonably foreseeable circumstances of application of use do not have any intended release of substances; therefore the requirement in REACH Article 7 (1) (b) for registration of substances contained within these products /articles does not apply. As such, Parlex Europe Ltd are neither obligatory for registration nor for the creation of material safety data sheet (MSDS)

Independent of that fact, we are intensively pursuing the realization of REACH on the part of our suppliers; we do that in our own interest and in order to guarantee a high level of product safety for our customers. We are in close contact with our suppliers of chemistry and prepared materials (E.g. manufacturing supplies for manufacturing, processing and workmanship of our products or for the utilization within other operative processes) Furthermore, we will immediately inform you in correspondence to REACH – Article 33 if any substance of content (as from a content of > 0.1%) in our goods will be classified as alarming by the European Agency for Chemicals ECHA. Based on the current status, however, we do not expect such an incidence.

REACH Representative

EHS Advisor