GENERAL SPECIFICATIONS FOR RoHS COMPLIANT PRODUCTS

1 Scope
These specs cover only general technical data for all PRECI-DIP RoHS compliant products. Product specific data can be found on catalogue pages.

2 Contact Materials
PRECI-DIP contacts are made of copper alloys that do not contain more than 4 % lead as specified in the RoHS directive 2002/95 CE issued by the EU.

3 Contact Plating
PRECI-DIP contacts are manufactured with gold plating or tin plating, both with min. 1.5 µm nickel under layer.
Characteristics of tin plating:
- satin bright pure tin plating
- thickness min 4 µm
- very low organic residue: max 0.05 % carbon content

Solderability
- Ageing: steam aging 8 h acc. to J-STD-002A Category 3
- Bath temperature: 245 ± 5 °C during 5 s
- Solder alloy composition: SnAg3.8Cu0.7
- Solder flux acc. to MIL-F-14256 (Colophony)

Results: all specimens have passed the test with more than 95 % of dipped portion covered by a continuous solder coating.

Resistance to soldering heat
- Tested acc. to IPC/JEDEC J-STD-020C
- Max temperature 265 °C
- Duration at max. temperature 40 s

Results: no discoloration of tin plating was found after testing

4 Insulator materials
RoHS products are processed at higher temperatures in the wave or reflow solder equipment. High temperature resistant materials are used to withstand max. 260 °C during 20 s.

Moisture sensitivity level MSL
The plastic materials are not sensitive to ambient humidity and PRECI-DIP products will not be damaged by rapid temperature rise as during soldering.

Moisture sensitivity acc. to IPC/JEDEC J-STD-020C: level 1

5 Other restricted substances than lead
PRECI-DIP products do not contain any of the other substances banned by the RoHS directive.

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