Document Control

No	Page	Change Description	Issued by	Date:
1	All	Created	Jasmin Hsu	24.07.2012
2	All	Up grading definition of washing& cleaning	Jasmin Hsu	21.01.2013
3	All	Document format update	Jasmin Hsu	11.04.2013
4	4-5	Handling of the components (add tooling way and setting pictures)	Jasmin Hsu	21.02.2014
5	2	Add solder thickness and solder paste information	Jasmin Hsu	28.10.2014
6	All	Adjust match code from 2-3 digital to 4 digital	Emma Lin	09.2015
7	4	Demo Photo change	Emma Lin	02.06.2016

Precautions for the use of Dip switches

1. General information:

This guide-line provides general information about the handling of our Dip switches.

2. Recommended Soldering Profiles

2.1 Recommended soldering profiles for SMT parts
Please download our Hot-Air Reflow standard profile from our website under the following link:

http://www.we-online.com/web/en/passive_bauelemente_standard/download_center_pbs/Download_Center_PBS.php?p=2#dbfilter

File name: “Standard Soldering Profile”
All our products are proven and tested by Wuerth Elektronik soldering test standard with a solder thickness of 150µm and solder paste SAC305 .

2.2 Recommended soldering profiles for THT parts
Please download our soldering standard from the Internet under the following link:

http://www.we-online.com/web/en/passive_bauelemente_standard/download_center_pbs/Download_Center_PBS.php?p=2#dbfilter

File name: “Standard Soldering Profile”
All our products are proven and tested by Wuerth Elektronik soldering test standard.

2.3 Recommended for hand soldering:

350℃ for 3 sec. max.

2.4 Recommended for vapor phase soldering

Our Dip switch products are not qualified for VPH.
Qualification of usability must be approved on customer side for his process, gladly with free samples offered by Wuerth Elektronik.

2.5 Cleaning, Washing and Coating

For non-washable series,
Parts out of this series are not constructed for washing, so that washing can cause malfunction afterwards.

For our washable series
Please do not submerse our washable products into water or cleaning agents or put them in locations exposed to water/liquids completely.

When cleaning by hand (brushing), please do not use excessive force on our switch to avoid malfunction afterwards, because you could deform function relevant areas or you could damage sealing functions.

Do not clean washable series immediately after soldering. The cleaning may be absorbed into the switch through respiration while the switch cools.

If our product is potted in customer applications, the potting material might shrink during and after hardening. According to this the product is exposed to the pressure of the potting material with the effect that the product is possibly damaged by this pressure and so the electronics as well as the mechanical characteristics are in danger of being affected. After the potting material is cured, the products need to be checked in case any malfunctions or destructions on the product have occurred.

3. Handling of the component

Please keep our switch at “off” position during the soldering process.

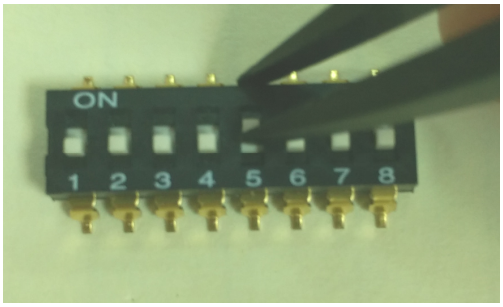
For series with top tape, please remove the tape after your process is completed.

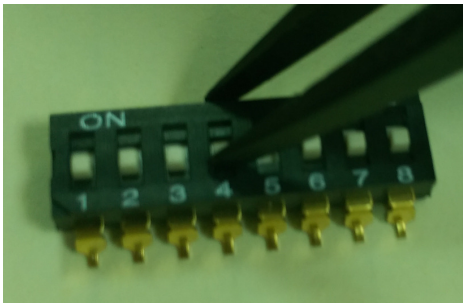
For setting of the position, we recommend to use a ball pen or (optimum) plastic tweezers with flat surface for operation and do not apply with excessive force as it could cause damage or deformation of the moveable contact area and result into function errors.

1.1.1.1

Correct setting way :

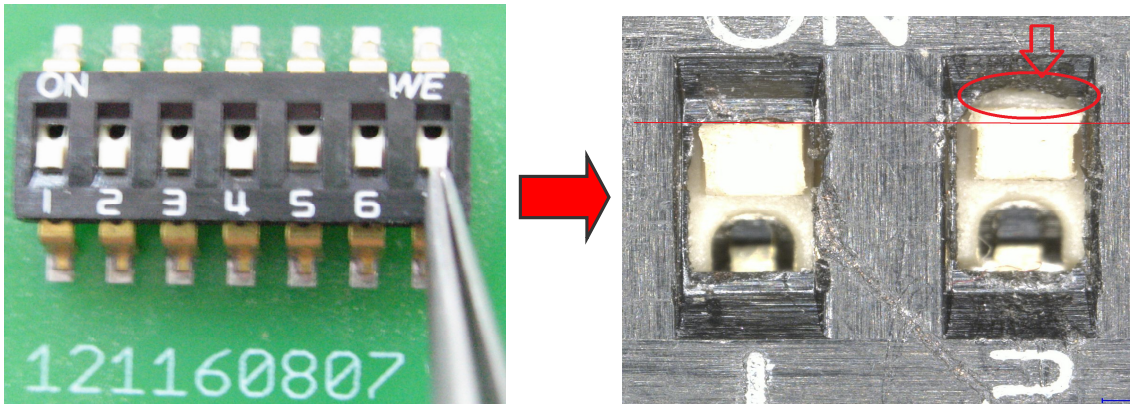
1) For the flat type, please remove the tape first after soldering process.
2) One side of the tweezers hold the cover, the other side hold in vertical direction to the moveable actuator.
3) Use slide force to change the setting.





Do not use sharp surface like below :
Sharp surface may easier damage the moveable contact and cause malfunction. Also sharp setting tools may cause the cover or visual damages of the components.

Please do not focus the force pressure point only on 1 point.
By holding like this offers the moveable contact only the pressure on one side and it can cause easier the deforming of moveable contact or damage the slider window and cause the deforming of the contact or over sliding of the moveable contact and cause malfunction.



Please let the board or parts cool down completely before setting the positions.

4. Storage & operation condition

Storage temperature : -40℃ ~ 85℃

Operation temperature: -40℃ ~ 85° C

5. Compliance

Wuerth Elektronik products are RoHS compliance products. For a 3rd parties RoHS report, please contact us.

For any further information, please feel free to contact our sales representatives.