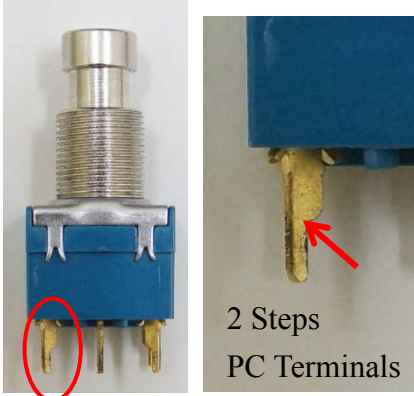

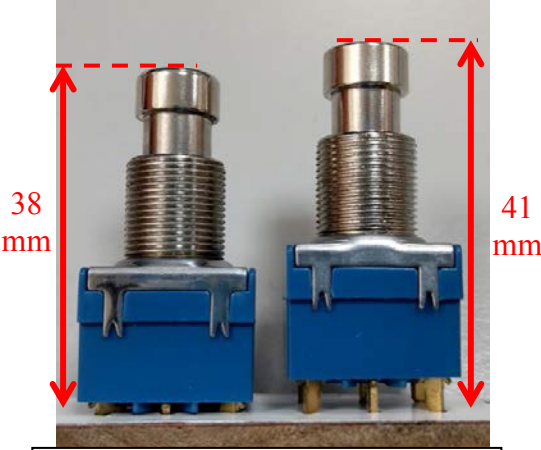
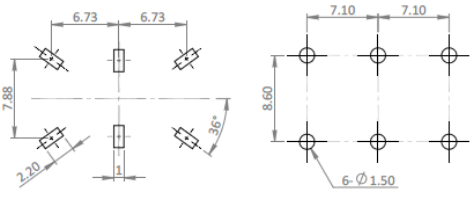
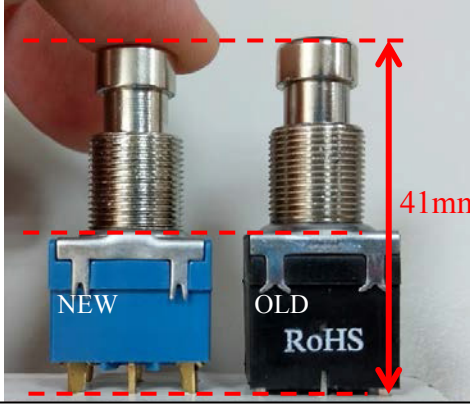
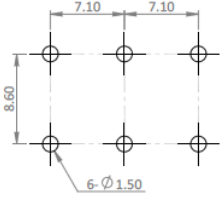





Engineering Change Notice ECN2017-1101

Subject Company	Original Part Number FS-SPx-PCBDM1QE FS-SPx-PCBDM2QE FS-DPx-PCBDM1QE FS-DPx-PCBDM2QE	Page 1 of 4
	New Part Number No change	Release Date 2017 Nov. 03
<u>Brief description of change(s) proposed</u> SP and DP model of Foot Switch series is changed to have similar visual appearance as 3P and 4P models. Old version of SP model will be supplied until January of year 2018. Old version of DP model will be immediately replaced, new orders will be delivered with new design.		
<u>Benefits as a result of the proposed change(s)</u> Please refer to attachment A of next page.		
<u>Side-effects as a result of the proposed change(s)</u> The new design will not impact the electrical and mechanical performance of the switch, customer can direct use without changing their end application.		
<u>Specification(s) this proposed change is against:</u> Please refer to attachment A for details.		
<u>Approval of the proposed change(s)</u> Sample will be ready in the January of year 2018 and can be provided upon request.		
<i>Customer shall acknowledge the ECN after receipt of it within 7 working days, lack of acknowledgement or additional response within the 30-day period constitutes acceptance of the change. Shall you have any questions, please contact with your responsible sales representative.</i>		

Attachment A

Features	(New)	(Old)
Terminal Riveting	<p>Riveting from outside</p>  <ul style="list-style-type: none"> ➤ Better yield rate / More robust against pulling ➤ More consistent contact ➤ More resistance to bad soldering 	<p>Riveting from inside</p> 
Dimensions (Solder Terminals)	<p>Shortened housing height “Downward” solder terminals</p>  <ul style="list-style-type: none"> ➤ The same overall height and install depth ➤ The new one can also be soldered sideward 	<p>Long housing height “Sideward” solder terminals</p> 

<p>Dimensions (PC Terminals)</p>	<p>Shortened housing height 2 Steps PC terminals</p>  <p>2 Steps PC Terminals</p>	<p>Long housing height</p> 
	<p>➤ 2 Steps Terminals allowing 2 different mounting heights</p>  <p>38 mm 41 mm</p> <p>Footprint OLD Footprint NEW</p> 	<p>➤ New version is fully compatible with old PCB design for (footprint & overall height)</p>  <p>41mm</p> <p>NEW OLD RoHS</p> <p>Footprint OLD = Footprint NEW</p> 
<p>Housing Material</p>	<p>Blue PPS</p> <ul style="list-style-type: none"> ➤ High-performance thermoplastic ➤ Great mechanical and chemical strength ➤ UL 94V-0 / 260C deformation temp. ➤ Signature Blue Color ➤ Cost 2x to 3x higher than Nylon 	<p>Black Nylon + Glass fiber</p> <ul style="list-style-type: none"> ➤ Good mechanical and chemical strength ➤ Lower cost

<p>Epoxy pre-form (Optional)</p>	<p>Now available for Both Solder and PC terminals</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <p>Solder</p> <p>PC Terminals</p> </div>	<p>Only available for PC Terminals</p> <div style="text-align: center;">  </div> <p>PC Terminals</p>
<p>Specification</p>	<p>Current Rating: 125V 4A / 250V 2A Electrical Life: 50,000 / 20,000 cycles for momentary <i>make-and-break cycles at full load.</i></p>	<p>Current Rating: 125V 4A / 250V 2A Electrical Life: 20,000 cycles <i>make-and-break cycles at full load.</i></p>