



Specialized Connector Manufacturer



3C Waterproof Connector

The Trend of Waterproof Market

category	unique	Mid-end	high-end (all category)			
Target	male	Female	Male/Female			
Appealing	Outdoor	One-seg+WP (bath time usage)	Slim design + WP High spec + WP	Smartphone w/WP		
Market situation	One-seg service start		Technology Break through on thinness	Smartphone w/waterproof		
design	 			 		
	Au G'zOne W42CA 2006	SO902iWP 2007	2008.11 F-01A	2009.11 F-038	2011.1 Cyber-shot 5006	2012.3 Xperia acroHD
Market growth						

The Trend of Waterproof Market

- There is a large increase of Consumer Electronics business, because of the growth of smart phones and tablets. Recently, some Japanese companies developed the smart phones and tablets with waterproof requirements. The demand of 3C waterproof connectors is raising rapidly.

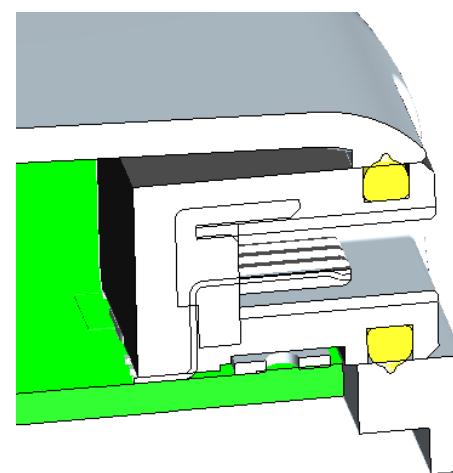
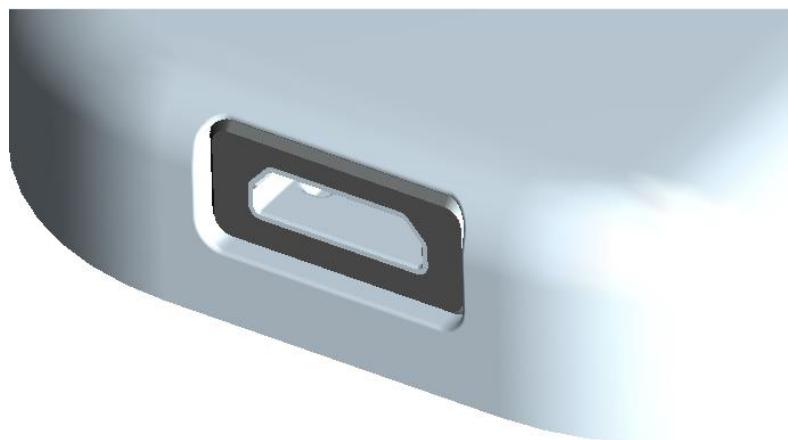
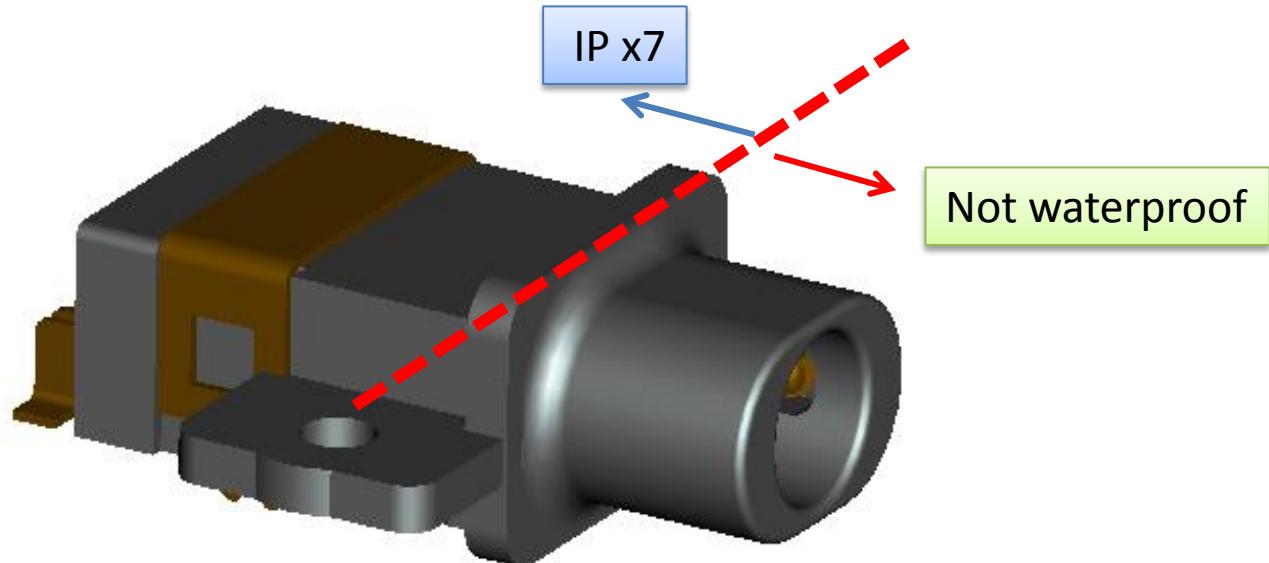
2014

Nowadays , More and more people are taking their electronics like smart phone, tablet, and other 3C product into potentially hazardous locations, for example the bathroom or even worse, saunas! So we are developing 3C waterproof connectors such as Micro usb / 3.5Φ audio jack

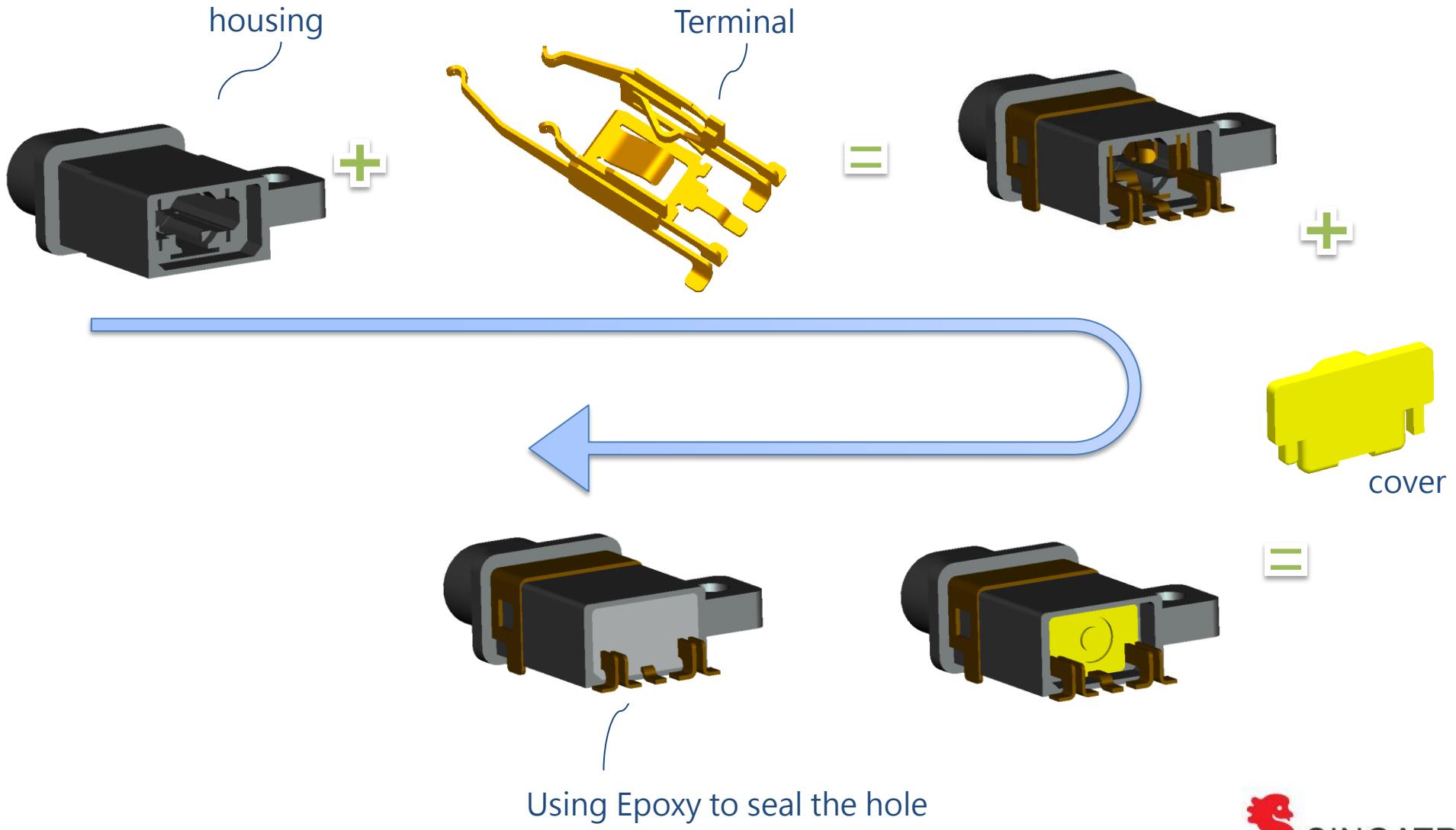


Definition of Waterproof Rating

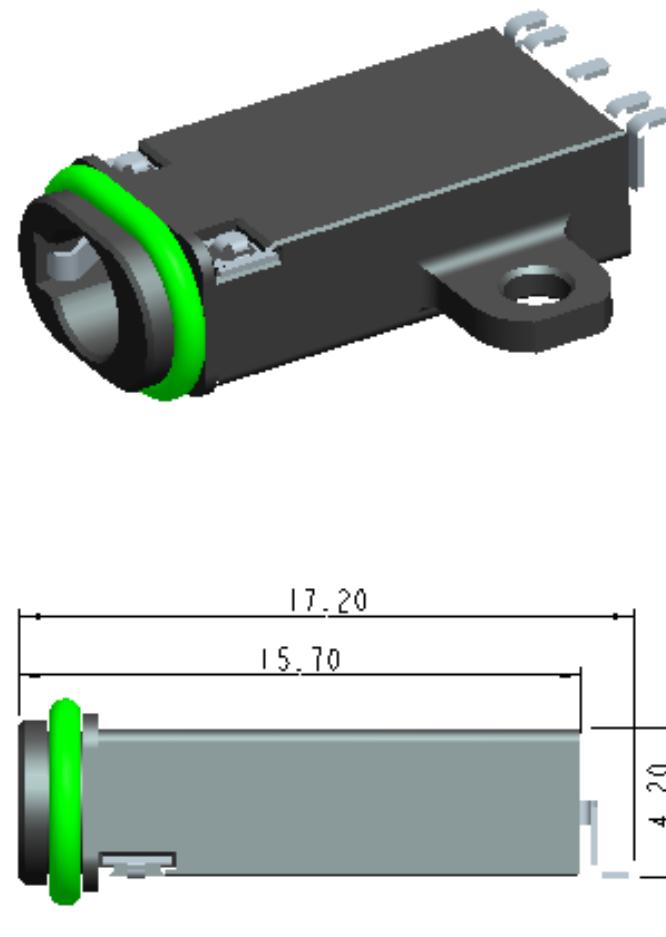
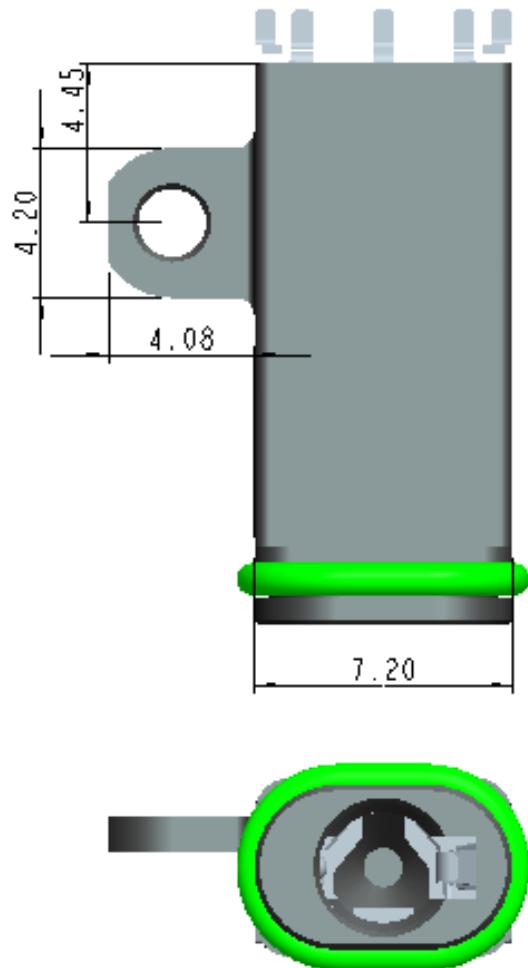
IPx7 = 1m under water for 30 minutes.



Assembly Process - Waterproof audio jack

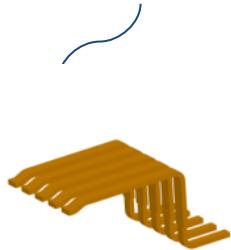


Waterproof Audio Jack - Outside Dimension

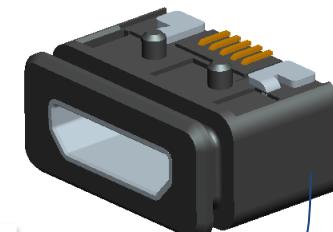
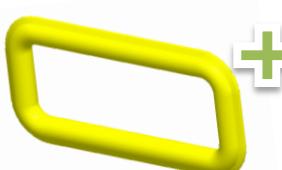
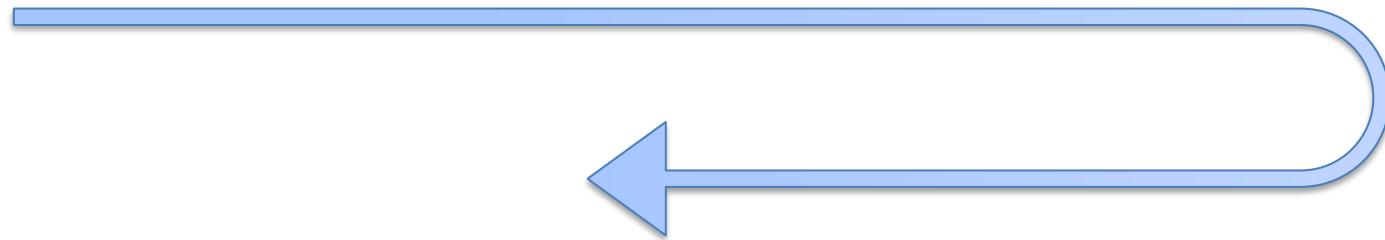
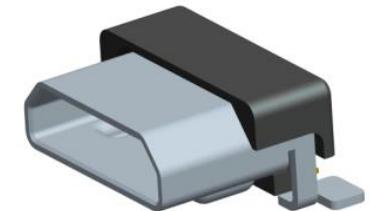
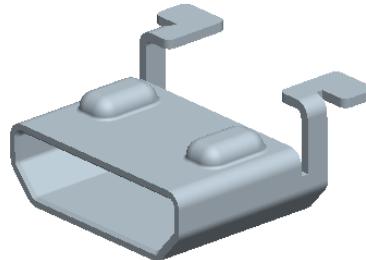
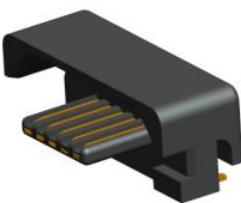


Assembly Process - Waterproof Micro USB

Terminal



Housing insert molding



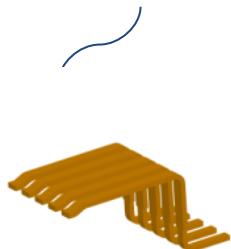
insert molding

O- ring

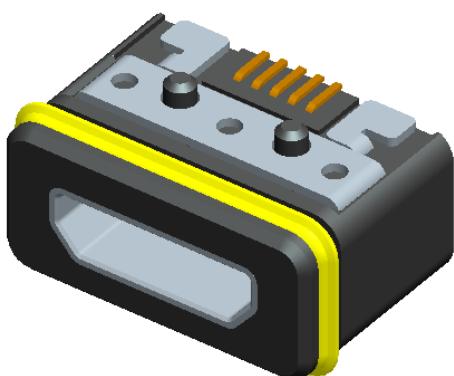
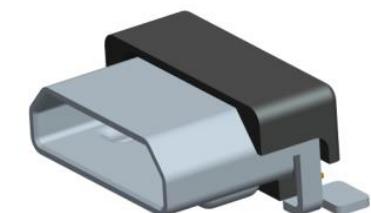
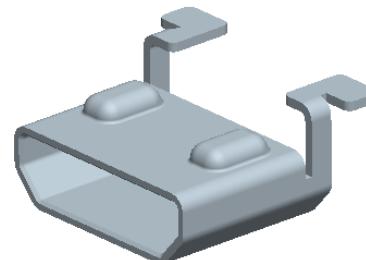
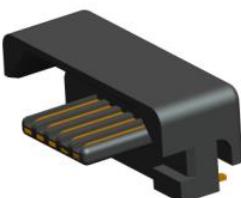
Pad terminal

Assembly Process - Waterproof micro USB

Terminal



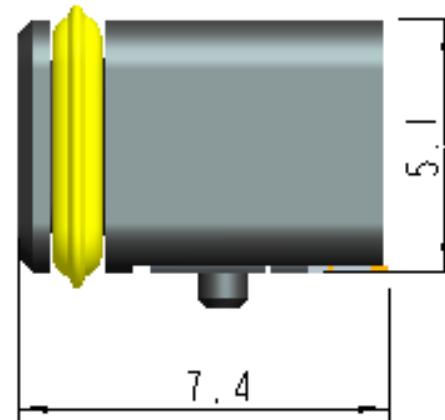
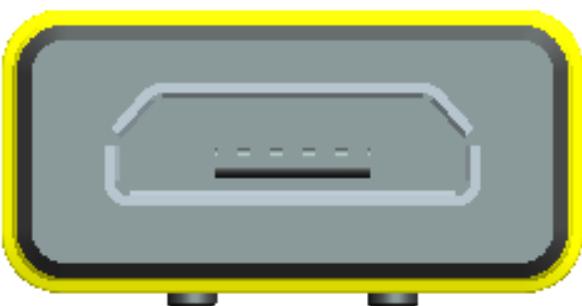
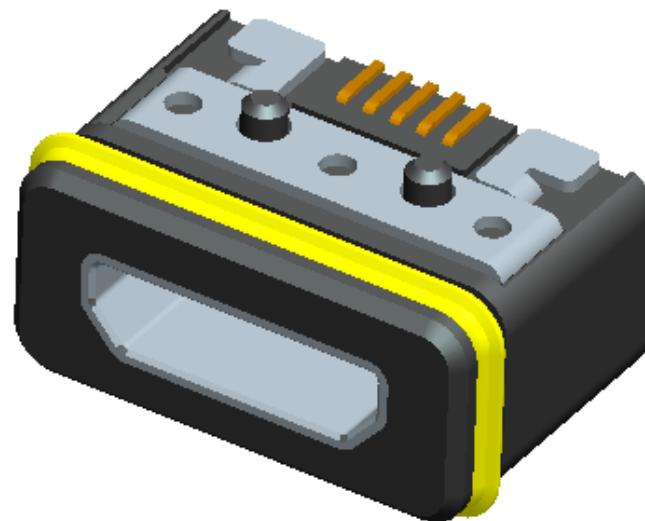
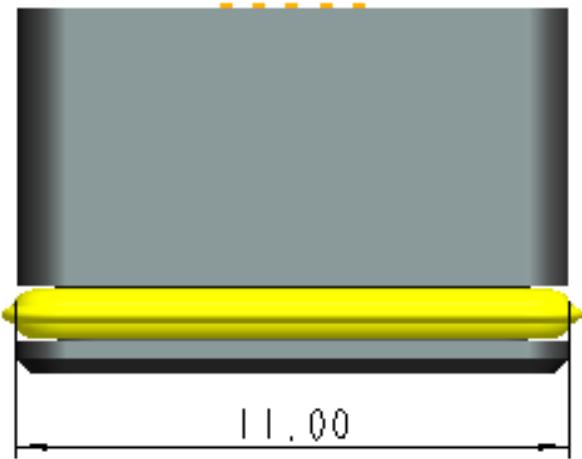
Housing insert molding



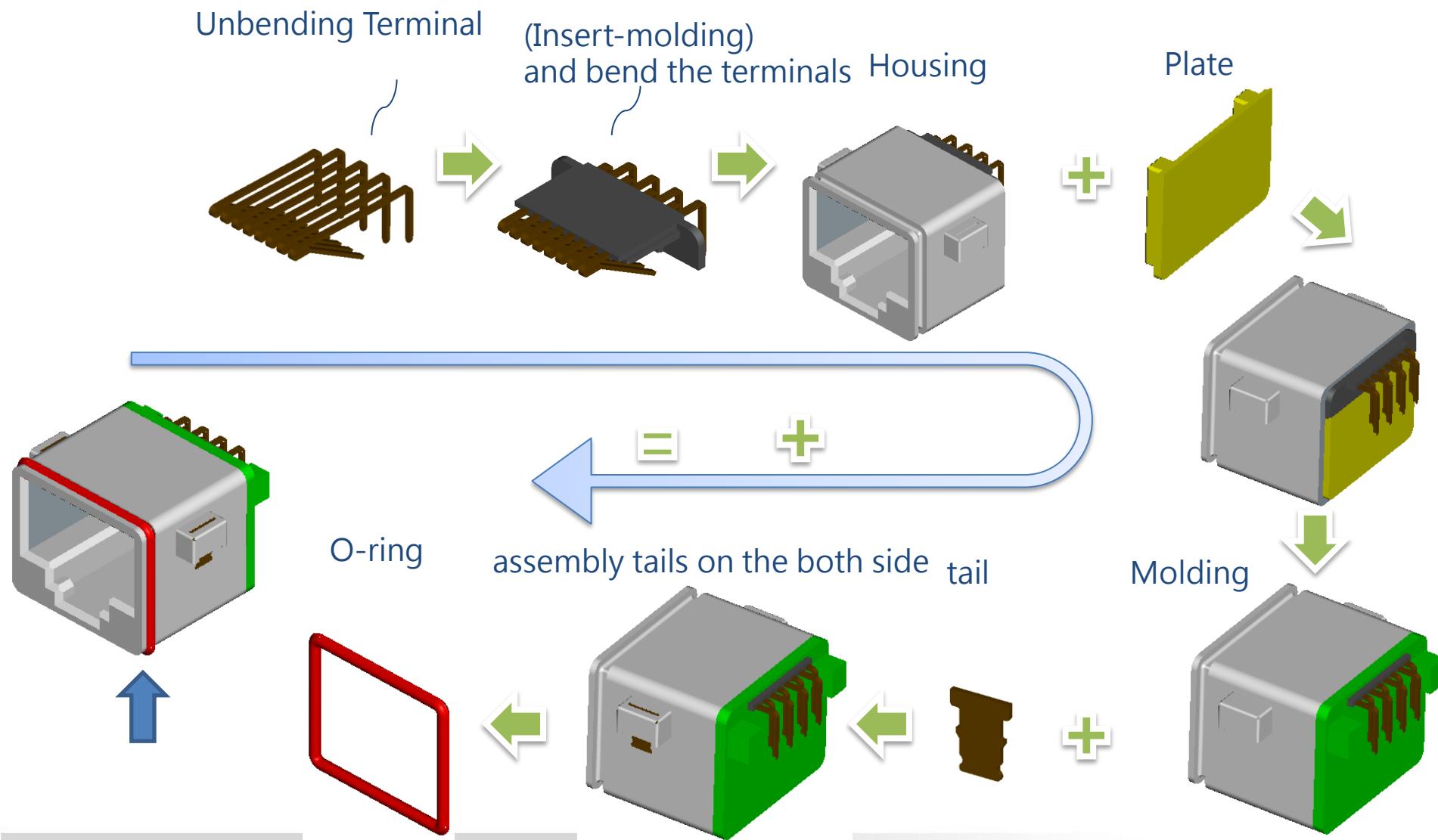
Pad terminal

Insert molding
(include o-ring)

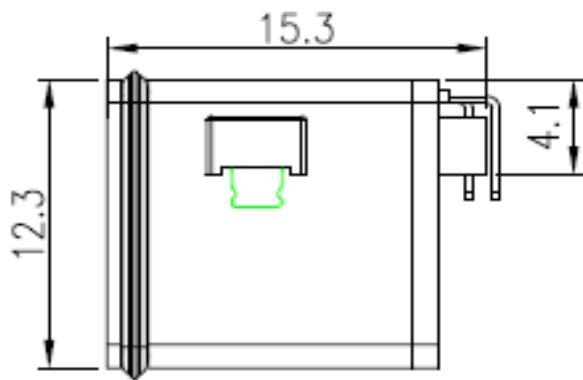
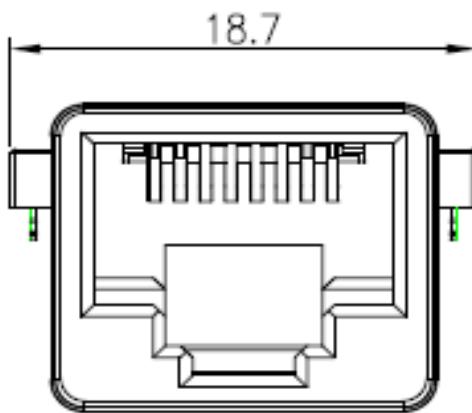
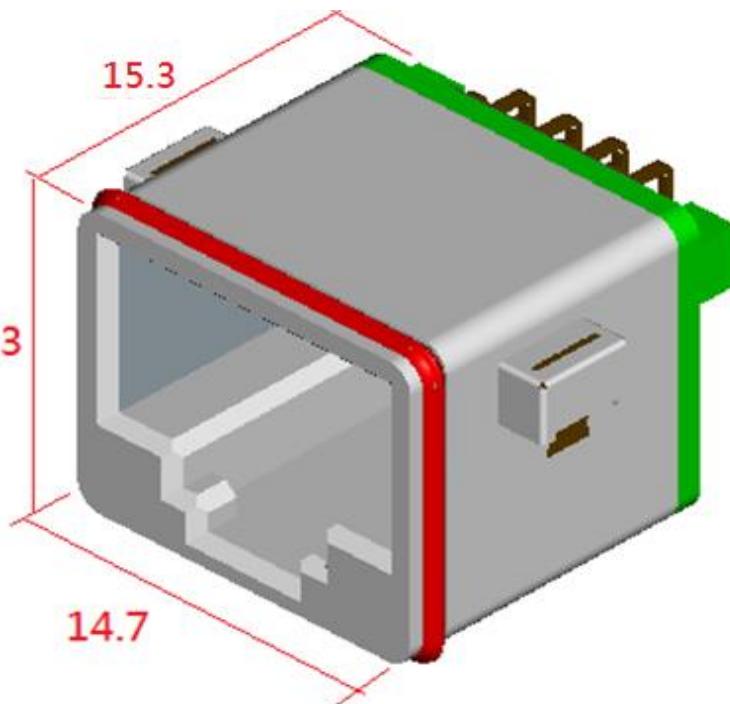
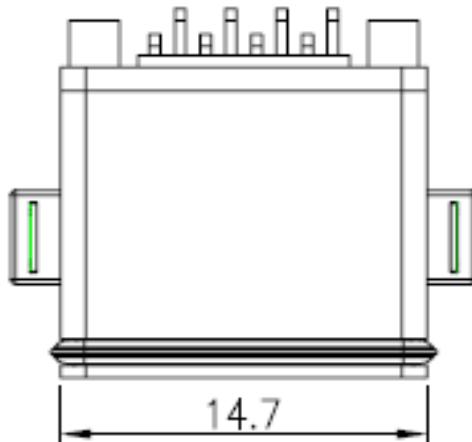
Waterproof Micro USB - Outside Dimension



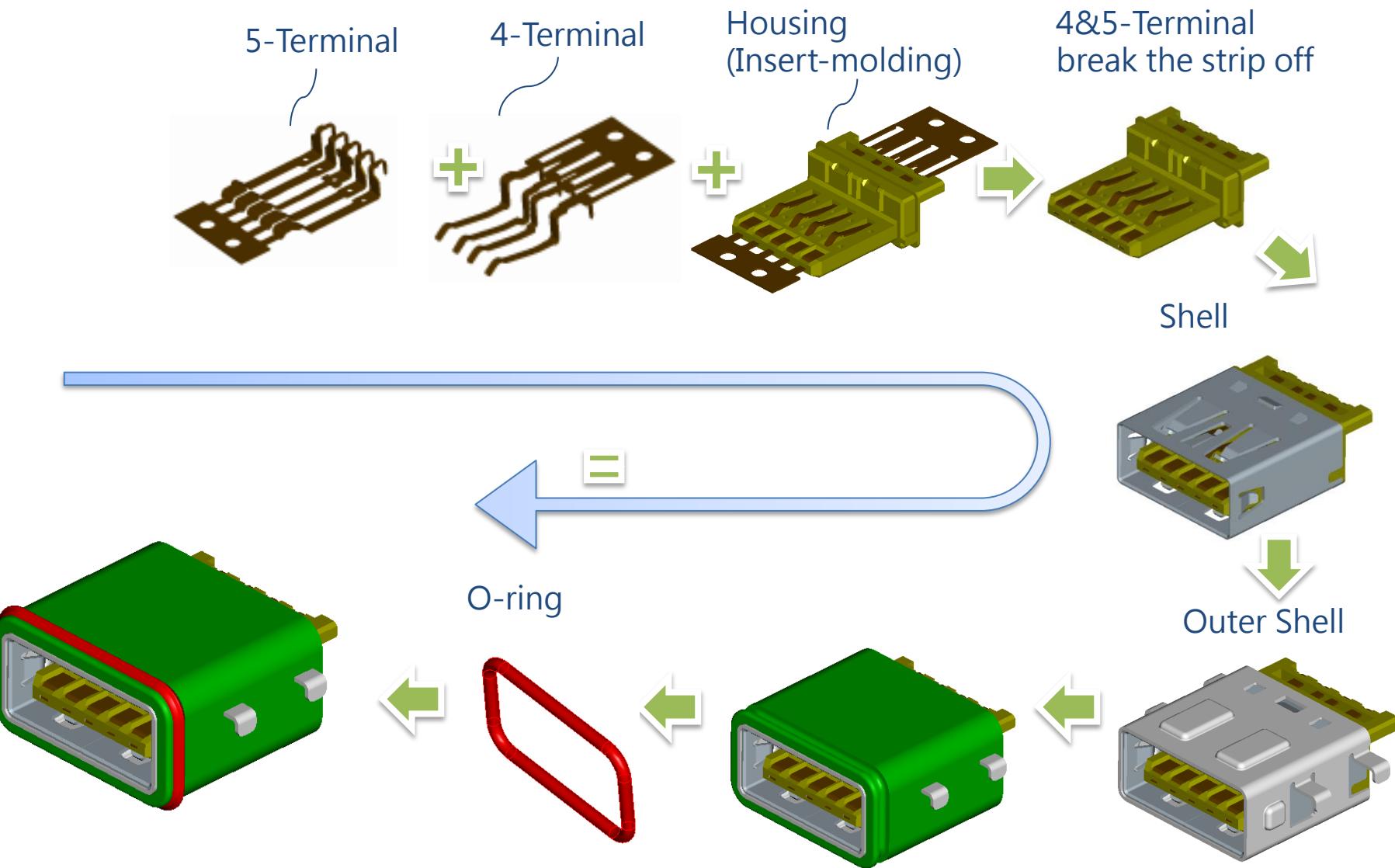
Assembly Process - Waterproof RJ45



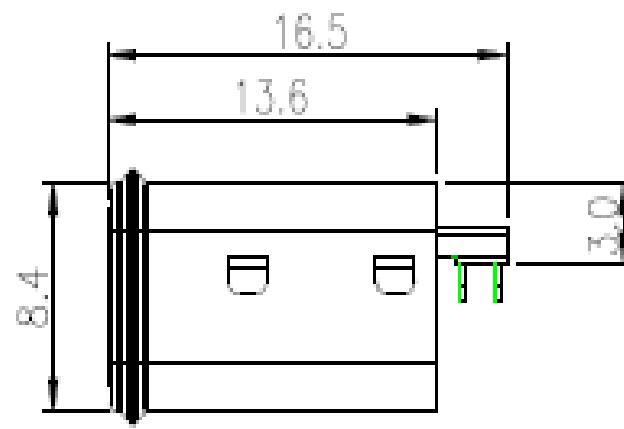
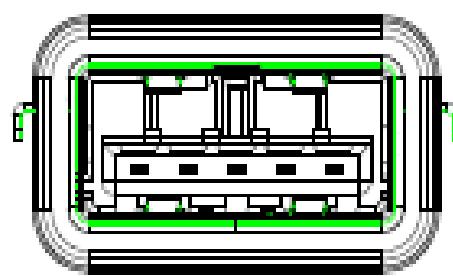
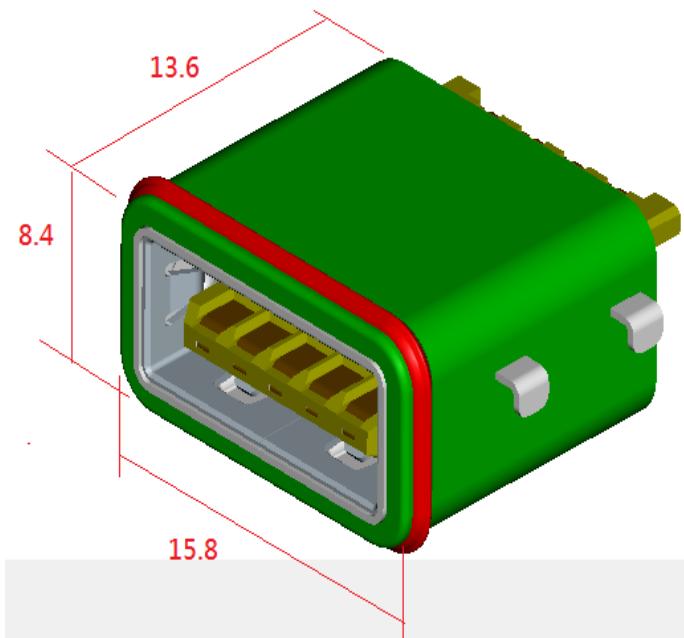
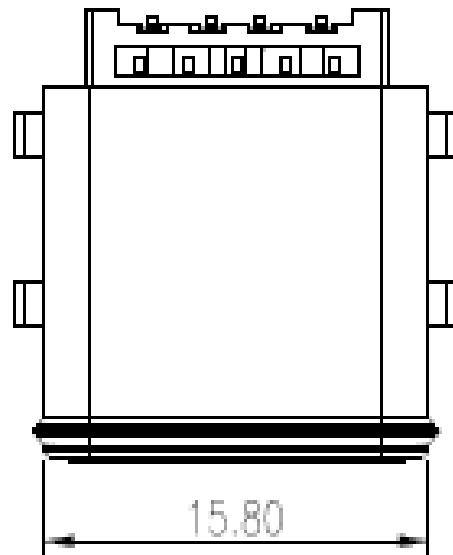
Waterproof RJ45 - Outside Dimension



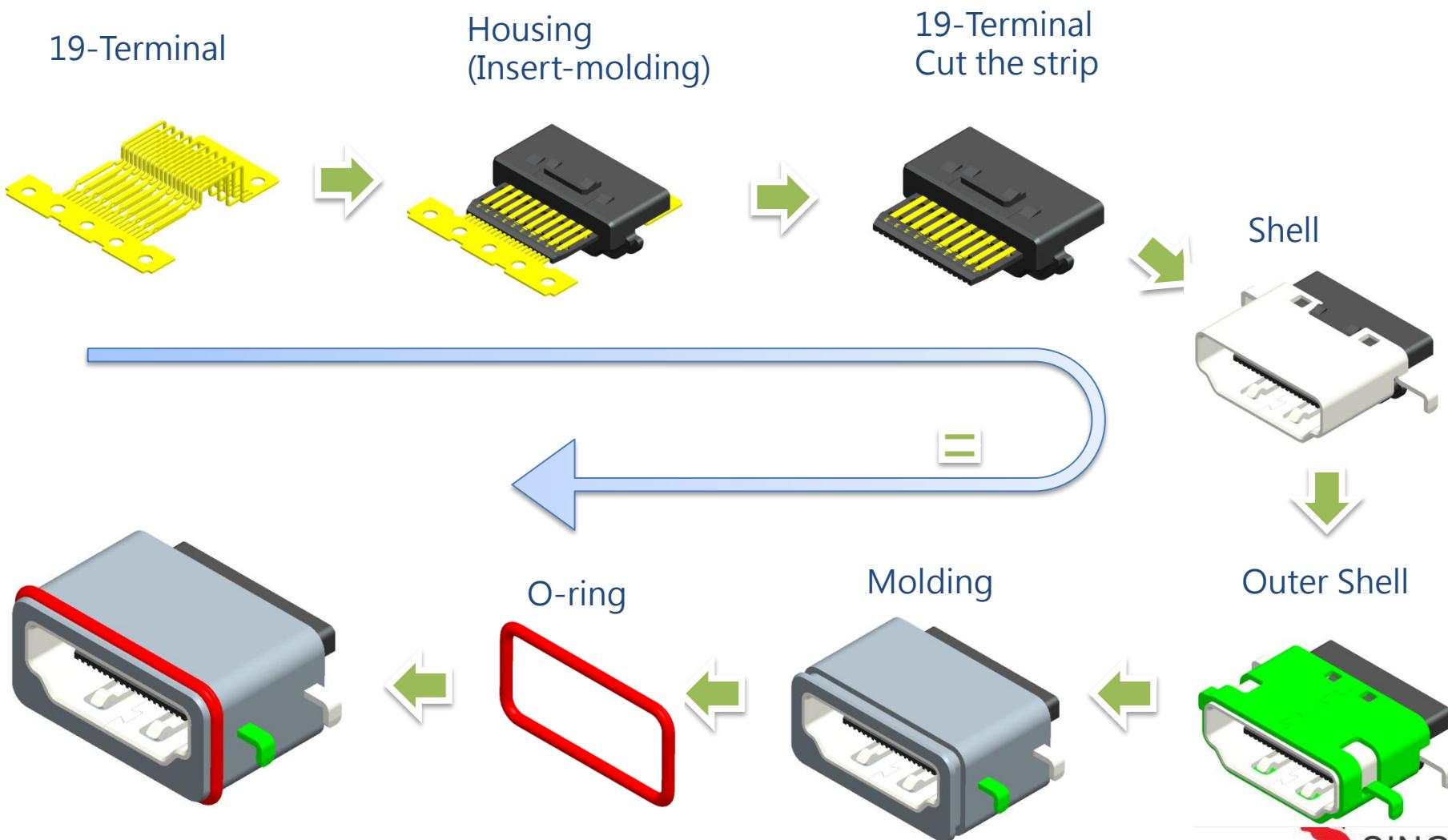
Assembly Process - Waterproof USB 3.0



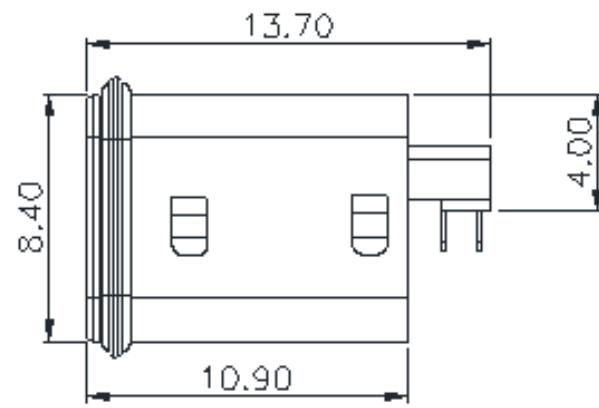
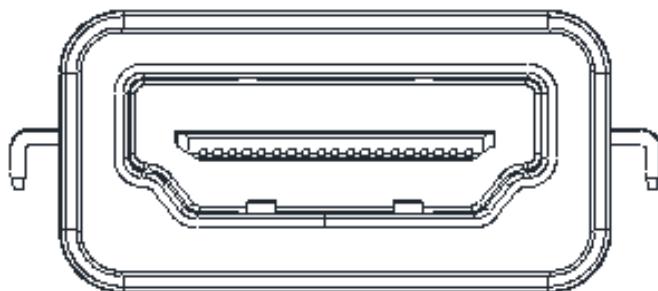
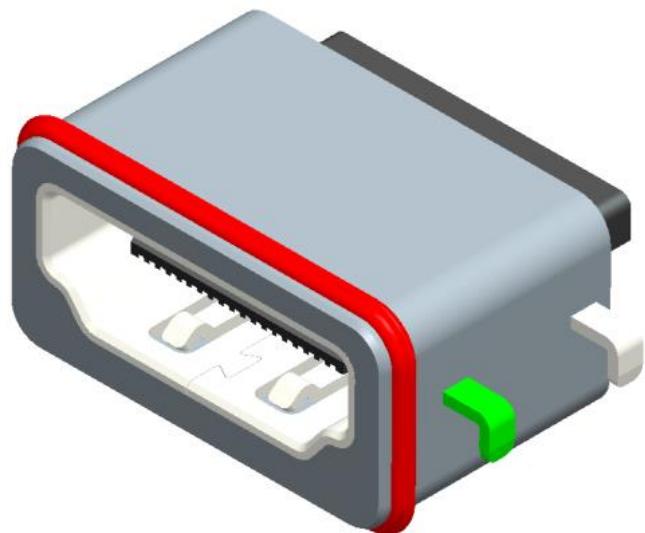
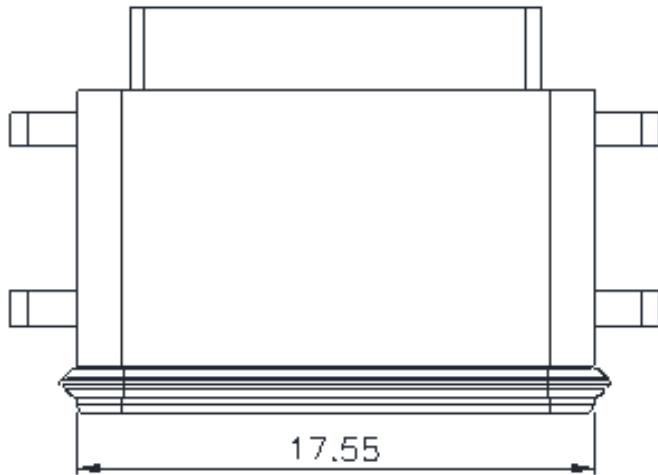
Waterproof USB 3.0 – Outside Dimension



Assembly Process - Waterproof HDMI



Waterproof HDMI - Outside Dimension





The End

Thank You!