

Product/Process Change Notification

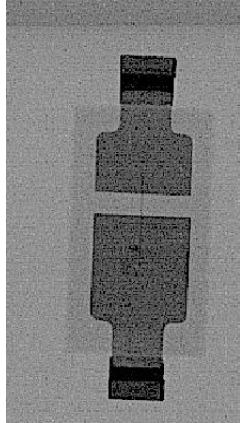
PCN#	Effective Date	Issue Date
2015-03-25C-01	2015/9/25	2015/3/25
PCN Classification		Product Category
Major		Small Signal Switching
Subject		
Changing lead frame		
Affected Product(s)		
1N4148W		
Description of Change(s)		
In order to enhance the effectiveness of the product, to achieve the better electrical conductivity of the copper lead frame		
Content of Change(s)		
Changing lead frame from Iron-nickel to copper		
Impact(s)		
N/A		
Attachment(s)		
Reliability Teat Report. SGS Report. MSDS Report.		

Approval		
Issue by	Alice Lai	e-mail: alice@secosgmbh.com
Development Engineer		Alice Lai
QA Manager		Peter Yang
General Manger		Mathew Liu

For more information, please contact us directly or visit our website <http://www.secosgmbh.com>

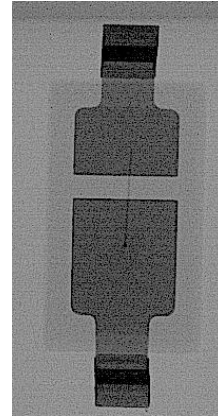
Exterior comparison Chart

Original (Iron-Nickel)



Top View

New (Copper)



Top View

Material comparison Chart

Original (Iron-Nickel)

Material Composition	Iron-Nickel
Cu	
Fe	Balance
Si	≤0.30
Mn	≤0.8
Ni	40.5~42.5
S	≤0.025
P	≤0.025
Zn	
Al	≤0.1
Cr	≤0.1
Pb	
C	≤0.05

New (Copper)

Material Composition	Copper
Cu	Balance
Fe	
Si	
Mn	
Ni	0.7~0.9
S	
P	
Zn	1.0~2.0
Al	0.02-0.09
Cr	
Pb	
C	

