



# Product Change Notification



Product Group: Vishay Siliconix/ May 17, 2017/PCN-SIL-4072017

## Automotive Grade Material Upgrade for SO and TSOP ICs

**DESCRIPTION OF CHANGE:** Vishay Siliconix is working towards Automotive Standards for SO8/14/16 and TSOP14/16 packages for its Analog ICs products assembled at Subcontractor Amkor in Philippines by implementing some changes of the material composition.

For all SO8, SO14, SO16, TSOP14 and TSOP16, the following changes will be made in the package assembly. All materials for those packages are now automotive standards:

- Improvement of the package robustness by using RTPPF Lead frames.
- Increase of parts durability by switching from bare copper wires to gold coated palladium copper wires.
- Increased reliability by using G700LS mold compound for improved MSL performance.

**CLASSIFICATION OF CHANGE:** Direct Material

**REASON FOR CHANGE:** Increase of reliability and durability

**EXPECTED INFLUENCE ON PERFORMANCE/QUALITY/RELIABILITY:** There will be no effect on performance, quality or reliability.

**PRODUCT CATEGORY:** ICs

**PART NUMBERS AFFECTED:** See list attached

**VISHAY BRAND(s):** Vishay-Siliconix

**TIME SCHEDULE:** Shipment of products will begin August 17, 2017

**SAMPLE AVAILABILITY:** Please contact your regional Vishay Sales office for sample availability.

**QUALIFICATION DATA:** Additional data available upon request.

**This PCN is for notification purposes only. Your response is not required. If you have any questions, please contact your local Vishay Sales Office.**

**ISSUED BY:** Isabelle Ciacchella, Vishay Siliconix IC Product Marketing.  
E-mail address: [isabelle.ciacchella@Vishay.com](mailto:isabelle.ciacchella@Vishay.com)

**For further information, please contact your regional Vishay office.**

**The Americas**  
Vishay Americas  
2201 Laurelwood Road  
Santa Clara, Ca 95004  
T: 408-970-8000  
F: 408-567-8942  
[business-americas@vishay.com](mailto:business-americas@vishay.com)

**Europe**  
Vishay Electronic GmbH  
Geheimrat-Rosenthal-Strasse 100  
D-95100  
Selb, Germany  
T: 49-9287-71 0  
F: 49-9287-70435  
[Europe@vishay.com](mailto:Europe@vishay.com)

**Asia**  
Vishay Intertechnology Asia Pte. Ltd  
25 Tampines Street 92  
#02-00 Keppel Building  
Singapore 528877  
T: 65-6788-6668  
F: 65-6788-0988  
[business-asia@vishay.com](mailto:business-asia@vishay.com)

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 [www.vishay.com](http://www.vishay.com)

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

Procedure #



# Product Change Notification



Product Group: Vishay Siliconix/ May 17, 2017/PCN-SIL-4072017

DG201BDQ-E3	DG308ADY-T1-E3	DG411DY-E3	DG442BDY-E3
DG201BDQ-T1-E3	DG308BDQ-E3	DG411DY-T1-E3	DG442BDY-T1-E3
DG201BDY-E3	DG308BDQ-T1-E3	DG411HSDY-E3	DG442DY-E3
DG201BDY-T1-E3	DG308BDY-E3	DG411HSDY-T1-E3	DG442DY-T1-E3
DG201BEY-E3	DG308BDY-T1-E3	DG412DQ-E3	DG444BDY-E3
DG201BEY-T1-E3	DG309BDQ-E3	DG412DQ-T1-E3	DG444BDY-T1-E3
DG201HSDQ-E3	DG309BDQ-T1-E3	DG412DY-E3	DG444DY-E3
DG201HSDQ-T1-E3	DG309BDY-E3	DG412DY-T1-E3	DG444DY-T1-E3
DG201HSDY-E3	DG309BDY-T1-E3	DG412HSDY-E3	DG445BDY-E3
DG201HSDY-T1-E3	DG309DY-E3	DG412HSDY-T1-E3	DG445BDY-T1-E3
DG202BDQ-E3	DG309DY-T1-E3	DG413DQ-E3	DG445DY-E3
DG202BDQ-T1-E3	DG401BDY-E3	DG413DQ-T1-E3	DG445DY-T1-E3
DG202BDY-E3	DG401BDY-T1-E3	DG413DY-E3	DG451EQ-T1-E3
DG202BDY-T1-E3	DG401DY-E3	DG413DY-T1-E3	DG451EY-T1-E3
DG211BDQ-E3	DG401DY-T1-E3	DG413HSDY-E3	DG452EQ-T1-E3
DG211BDQ-T1-E3	DG403BDY-E3	DG413HSDY-T1-E3	DG452EY-T1-E3
DG211BDY-E3	DG403BDY-T1-E3	DG413LDQ-T1-E3	DG453EQ-T1-E3
DG211BDY-T1-E3	DG403DY-E3	DG417BDY-E3	DG453EY-T1-E3
DG212BDQ-E3	DG403DY-T1-E3	DG417BDY-T1-E3	DG454EQ-T1-E3
DG212BDQ-T1-E3	DG405BDY-E3	DG417DY-E3	DG454EY-T1-E3
DG212BDY-E3	DG405BDY-T1-E3	DG417DY-T1-E3	DG455EQ-T1-E3
DG212BDY-T1-E3	DG405DY-E3	DG418BDY-E3	DG455EY-T1-E3
DG213DQ-E3	DG405DY-T1-E3	DG418BDY-T1-E3	DG456EQ-T1-E3
DG213DQ-T1-E3	DG408DQ-E3	DG418DY-E3	DG456EY-T1-E3
DG213DY-E3	DG408DQ-T1-E3	DG418DY-T1-E3	DG469EY-T1-E3
DG213DY-T1-E3	DG408DY-E3	DG419BDY-E3	DG470EY-T1-E3
DG221BDY-E3	DG408DY-T1-E3	DG419BDY-T1-E3	DG508BEQ-T1-E3
DG221BDY-T1-E3	DG409DQ-E3	DG419DY-E3	DG508BEY-T1-E3
DG271BDY-E3	DG409DQ-T1-E3	DG419DY-T1-E3	DG509BEQ-T1-E3
DG271BDY-T1-E3	DG409DY-E3	DG441BDY-E3	DG509BEY-T1-E3
DG303BDY-E3	DG409DY-T1-E3	DG441BDY-T1-E3	
DG303BDY-T1-E3	DG411DQ-E3	DG441DY-E3	
DG308ADY-E3	DG411DQ-T1-E3	DG441DY-T1-E3	

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 [www.vishay.com](http://www.vishay.com)

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

Procedure #