

# Onboard Contact 0G-684296

#### **NEW**



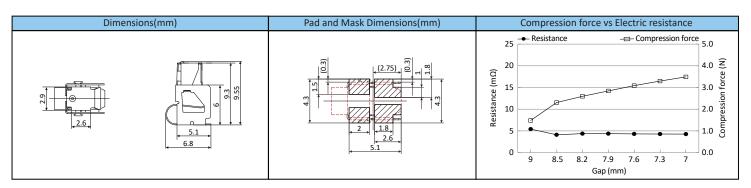
### SMT-type EMC grounding contactfor PCB's in engine compartments



- Spring mechanism withstands10 million compressions from engine vibrations
- Unique dimple design allows for continued eletrical contact
- Operating temperature from -40°C ~ +150°C, ideal for automotive applications

#### Specifications

Applications	Ground Contact for SMD	
Material	Beryllium Copper (t0.15mm)	
Recommended Gap (mm)	7.0 ~ 9.0	
Surface Treatment	Sn reflow plating (Primary plating Cu)	
Operating Temperature (°C)	-40 ~ 150	



#### Compression Test

Deflection: H=7.0mm~7.6mm
Compression count: 10 million times
Compression speed: 100 times/sec
Test method: Height measured and visual
check after compressed to 7.0mm~7.6mm
10 million deflections.



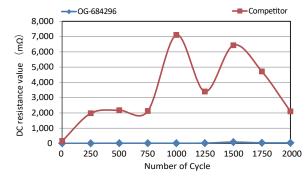
	Before	After
External status		
Height (mm)	9.619	9.601
Recovery rate (%)		99.8

#### Heat-shock Test

Temperature switch: -40°C/150°C (0.5 hour each) Number of cycle: 2000 cycles

Metal plate: Aluminum (ADC 12)

Test method: Sample is compressed by metal plate while heat is applied. DC resistance value is measured.



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