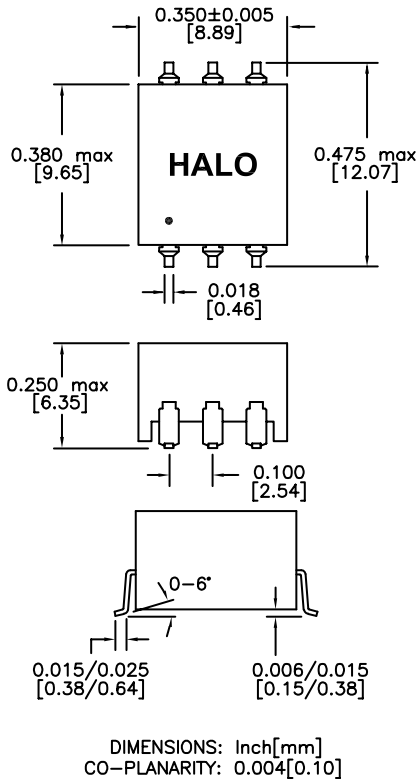


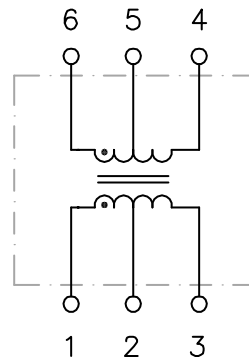
The TGRTI-NA series, reinforced insulation, 6 pin transformers provide the isolation and voltage outputs required for low cost DC/DC converter circuits. Designed specifically for the high voltage isolation DC/DC converters in Texas Instruments ISO721 and ISO722 high-speed digital isolator applications. UL60950, IEC60950, EN60950 and DEMKO recognized. Other packages are available with isolation voltages ranging from 500 to 4.5kVrms.



**NA SMD Package**



**Circuit Diagram**



**Patented Construction**

- US Pat Nbrs: 5,656,985  
6,297,721 B1  
6,297,720 B1  
6,320,489 B1  
6,344,785 B1

Electrical Specifications @ 25°C  
Operating Temp: -40 to +85°C  
Pri Pins: 1-3  
Pri OCL: 960µH typ.  
Pri DCR: 0.8  
E T Constant: 15 V-µs min.

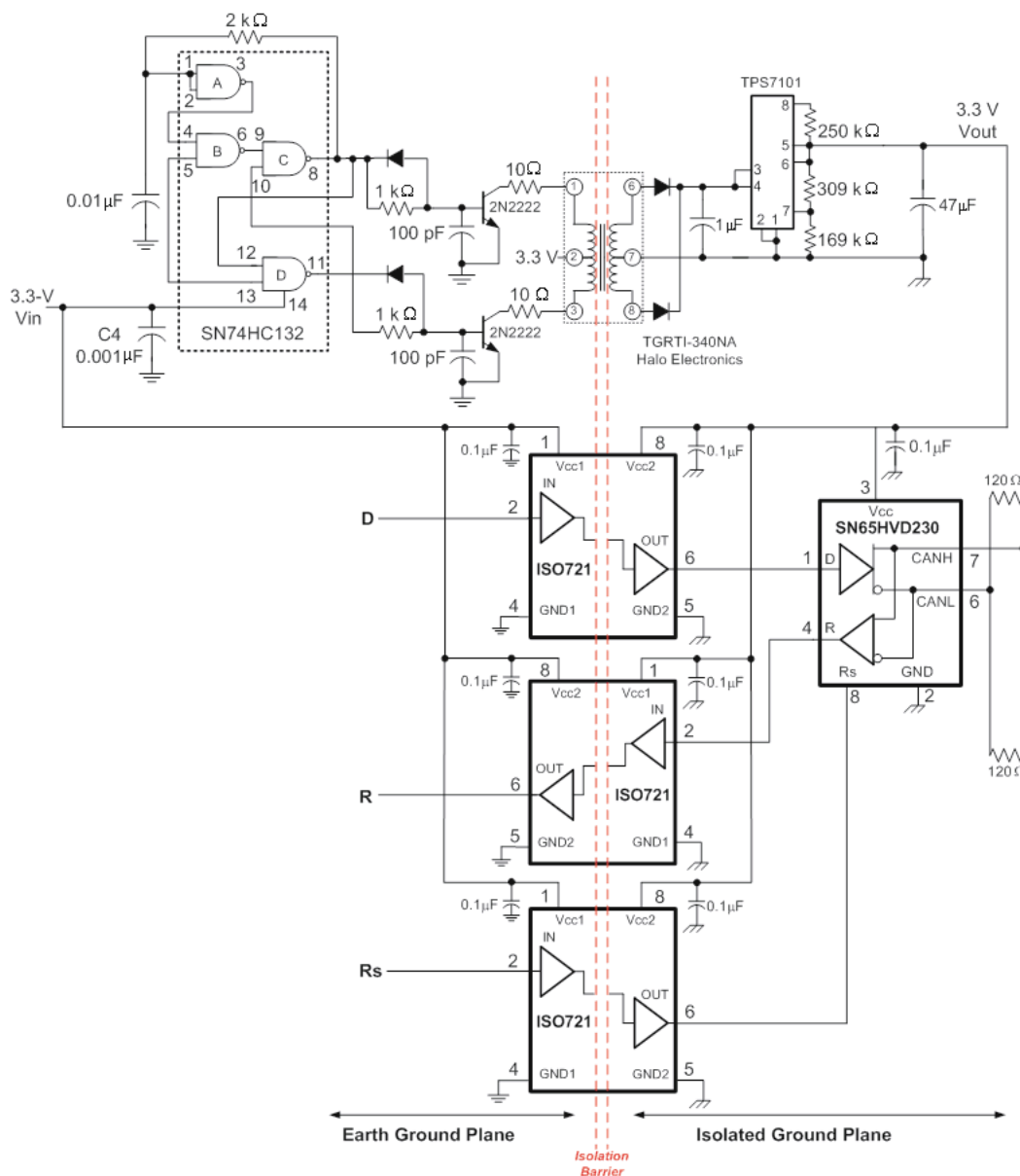
Part Number	Turns Ratio +/-3%	Isolation
SMD	PRI : SEC	Vrms
TGRTI-310NA	1CT:0.5CT	3,000
TGRTI -320NA	1CT:0.375CT	3,000
TGRTI -330NA	1CT:0.75CT	3,000
TGRTI -340NA	1CT:1.33CT	3,000
TGRTI -350NA	1CT:1CT	3,000

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### Typical Applications

#### Isolated 3.3-V CAN Interface



The TGRTI-NA series, reinforced insulation, 6 pin transformers provide the isolation and voltage outputs required for low cost DC/DC converter circuits. Designed specifically for the high voltage isolation DC/DC converters in Texas Instruments ISO721 and ISO722 high-speed digital isolator applications. UL60950, IEC60950, EN60950 and DEMKO recognized. Other packages are available with isolation voltages ranging from 500 to 4.5kVrms.



## Typical Applications

### Isolated 3.3-V 485 Half-Duplex Interface

