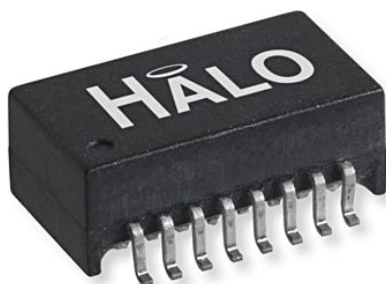


# T3/DS3/E3/STS-1 Modules

Dual Transformer Isolation, SMD Package



## Product Features:

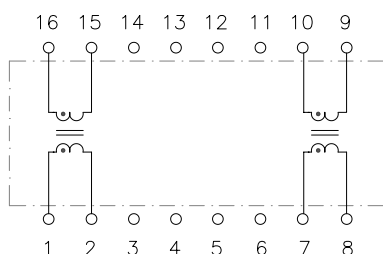
- Standard series of SMD dual transformer Isolation Modules to meet the return loss requirements of G.703 for T3, DS3, E3 and STS-1 applications.
- Non-Standard designs are also available.
- 1500Vrms Hi-Pot
- UL60950 and EN60950 recognized
- Patented Open Frame Construction

Part Number	Schematic	PRI Pins	Turns Ratio $\pm 2\%$ PRI:SEC	PRI OCL ( $\mu\text{H}$ min)	LL ( $\mu\text{H}$ max)	Temp Range
TG01-0406N1RL	A	1-2 & 7-8	1:1 & 1:1	40	0.10	-40 to 85°C
TG20-S001N1RL	A	1-2 & 7-8	1:1 & 1:1.5	40	0.15	-40 to 85°C
TG57-0406N1RL	B	1-2 & 6-8	1:1 & 1CT:1CT	40	0.10	0 to +70°C
TG74-0406N1RL	C	1-2 & 7-8	1:1 & 1:2CT	40 & 19	0.10	0 to +70°C
TG01-0456N1RL	A	1-2 & 7-8	1:1 & 1:1	45	0.12	-40 to 85°C
TG57-0456N1RL	B	1-2 & 6-8	1:1 & 1CT:1CT	45	0.12	-40 to 85°C
TG74-0456N1RL	C	1-2 & 7-8	1:1 & 1:2CT	45 & 35	0.12	-40 to 85°C

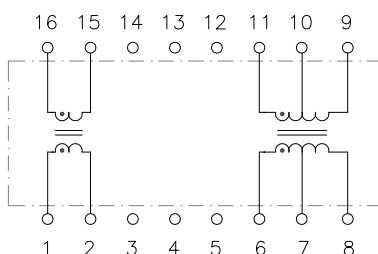
## Notes:

1. Please contact the factory or representative for individual datasheets or additional information.
2. Please contact the factory for "LF" lead free availability.

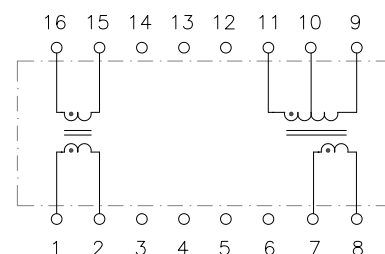
Schematic A



Schematic B

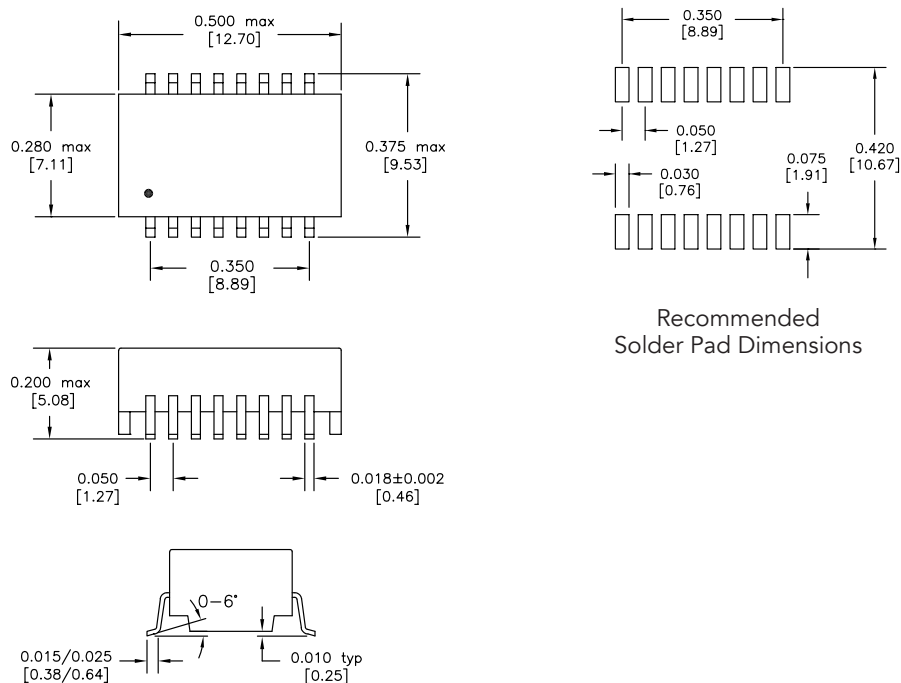


Schematic C



# T3/DS3/E3/STS-1 Isolation Modules

## Package N1



Dimensions: inches [mm]  
Co-Planarity: 0.004 [0.10]

### US Patent Numbers

5,656,985 6,297,721 B1  
6,297,720 B1 6,320,489 B1  
6,344,785 B1 6,662,431 B1



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