



**TRANSFORMER FOR ECHELON® NEURON® ICs**  
**P/N: 8ST5848 DATA SHEET**

**Feature**



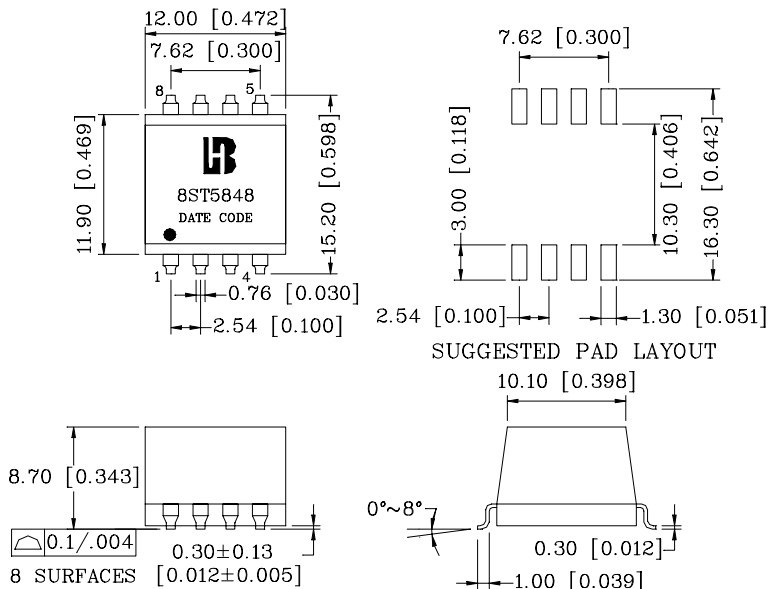
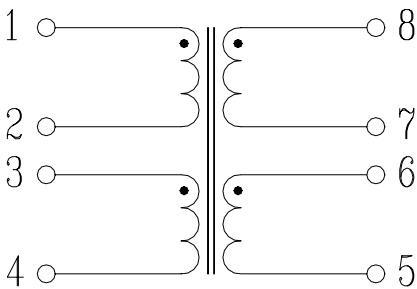
- Developed for Use with 3120™ & 3150™ chips Produced by Motorola and Toshiba.
- For 1.25Mbps twisted pair applications.
- Provides 1500 Vrms isolation for 1 minute.
- Surface mount package.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

**Electrical Specifications @ 25°C**

Part Number	Turns Ratio (±2%)	OCL (mH Min)	DCR (Ω Max)	PRI Pins	HI-POT (Vrms)
8ST5848	1:1	3.5-6.5	1.0	8-5	1500

**Schematic**

**Mechanical**



Units: mm [Inches] Tolerances: xx.x0±0.25 [0.010]  
0.xx±0.05 [0.002]