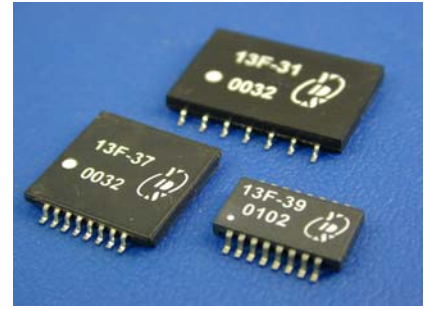




### FEATURES

- Half port and single port designs for maximum layout flexibility
- Low profile packages from 0.094" (2.39 mm) to 0.078" (1.98 mm) for PC Card
- Recognized By UL 60950-1



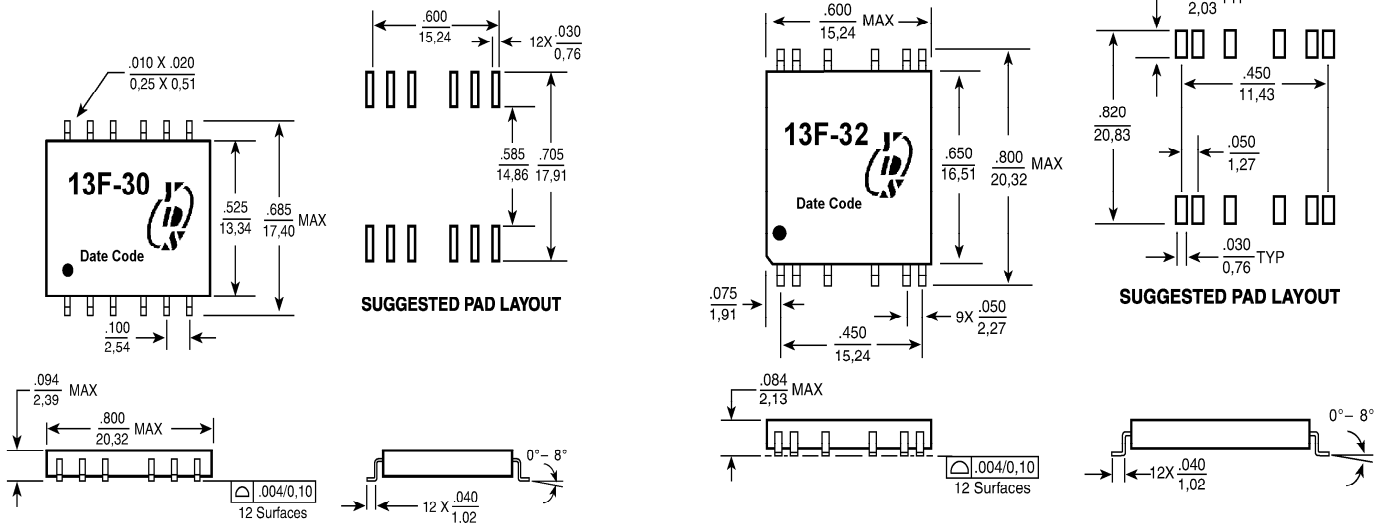
### ELECTRICAL SPECIFICATIONS @25°C-Operating temperature 0°C TO 70°C

Part Number	Turns Ratio (±5%)		Insertion Loss (dB MAX.)	Return Loss (dB MIN)			Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot V <sub>rms</sub> MIN
	Transmit	Receive		30 MHz	60 MHz	80 MHz	30 MHz	50 MHz	100 MHz	30 MHz	62 MHz	100 MHz	
13F-30	1CT:1CT	1CT:1CT	-1.3	-18	-13	-11	-40	-35	-30	-40	-40	-35	1500
13F-31	1.414CT:1CT	1CT:1CT	-2.0	-18	-12	-10	-30	-30	-30	-40	-40	-35	1500
13F-32	1CT:1CT	1CT:1CT	-1.3	-18	-13	-11	-30	-30	-30	-40	-35	-30	1500
13F-35	1CT:1CT	1CT:1CT	-1.3	-16	-12	-11	-30	-30	-30	-40	-35	-30	1500
13F-37	1CT:1CT	1CT:1CT	-1.1	-17	-12	-10	-30	-30	-30	-40	-35	-30	1500
13F-38	1CT:1CT	1CT:1CT	-1.0	-17	-12	-10	-30	-30	-30	-40	-35	-30	1500
13F-38A	1CT:1	1CT:1CT	-1.0	-18	-14	-12	-40	-35	-30	-50	-45	-40	1500
13F-38D	1CT:1	1CT:1CT	-1.0	-18	-14	-12	-40	-35	-30	-50	-45	-40	1500
13F-39	1CT:1CT	1CT:1CT	-0.9	-16	-12	-11	-35	-33	-20	-50	-45	-40	1500
13F-39A	1CT:1CT	1CT:1CT	-0.9	-16	-12	-11	-	-	-	-	-	-	1500
13F-39B	1CT:1CT	1CT:1CT	-0.9	-18	-12	-11	-40	-	-30	-45	-45	-37	1500
13F-39C	1:1CT	1CT:1CT	-1.0	-18	-15	-12	-	-	-	-38	-38	-38	1500
13F-39D	1CT:1CT	1CT:1CT	-1.0	-18	-12	-12	-40	-35	-30	-45	-40	-35	1500
13F-39E	1CT:1CT	1CT:1CT	-1.1	-16	-12	-10	-30	-30	-30	-38	-38	-38	1500
13F-39G	1CT:1CT	1CT:1CT	-1.2	-16	-12	-10	-31	-27	-21	-45	-37	-33	1500
13F-39H	1CT:1CT	1CT:1CT	-1.0	-	-	-	-	-	-	-	-	-	1500

### MECHANICAL

#### 13F-30,13F-31

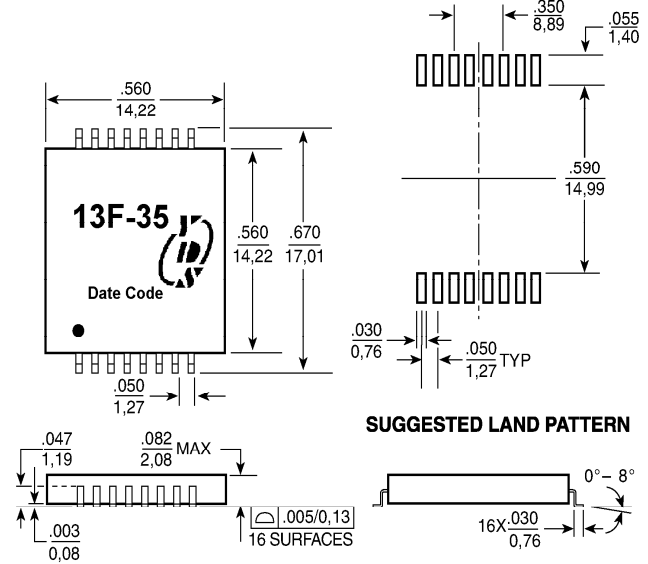
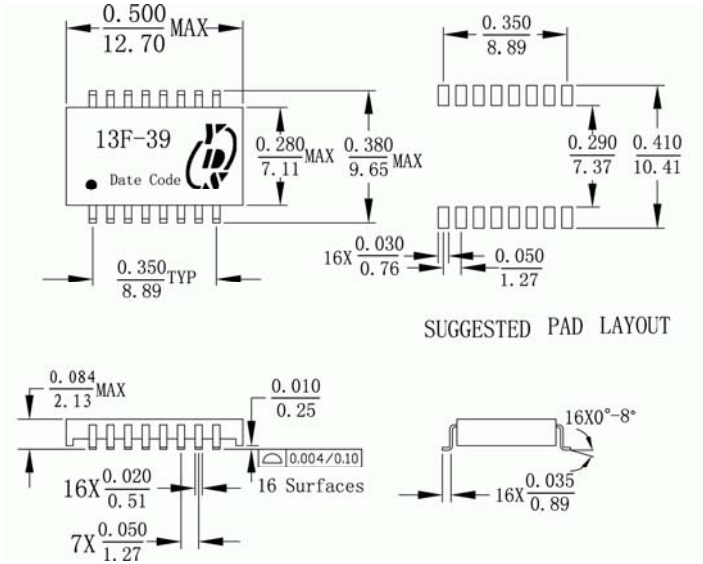
#### 13F-32



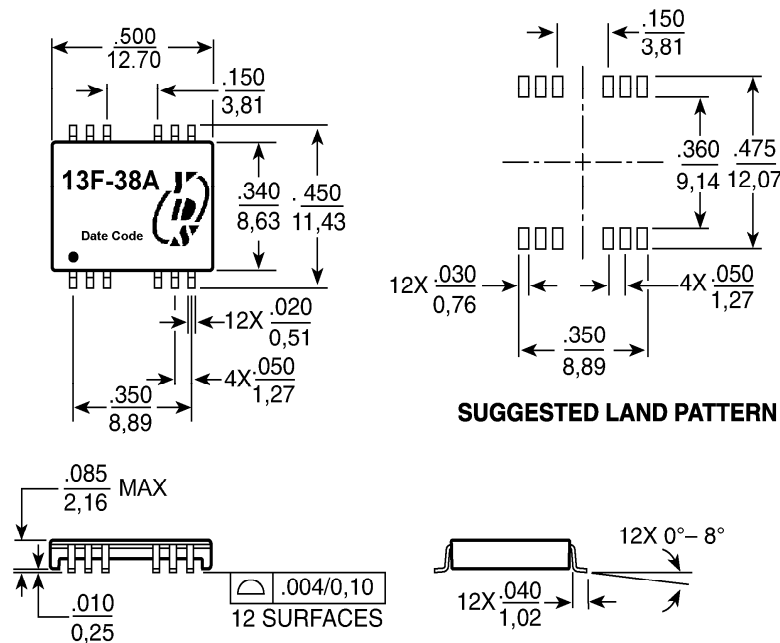


13F-39,13F-39B,13F-39C,13F-39D,13F-39E

13F-35,13F-37,



13F-38,13F-38A,13F-38TD,13F-39C,13F-38D,13F-39A



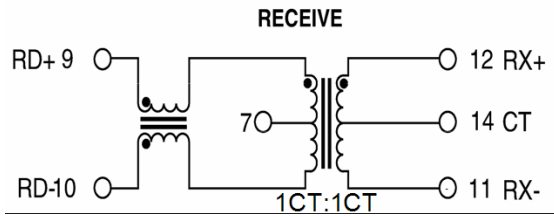
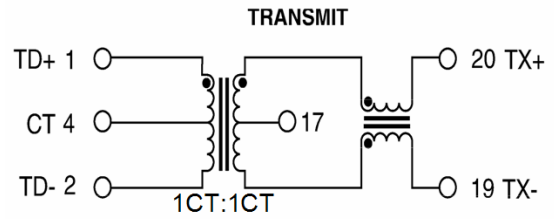
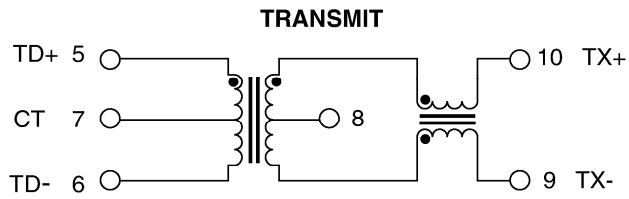
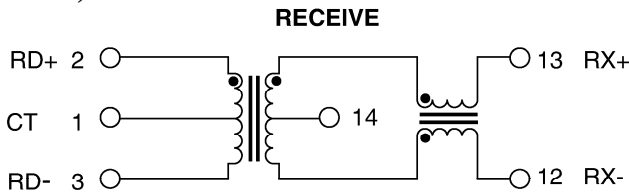
Dimensions:  $\frac{\text{Inches}}{\text{mm}}$  Unless otherwise specified, all tolerances are  $\pm \frac{0.010}{0.25}$

**SCHEMATIC**

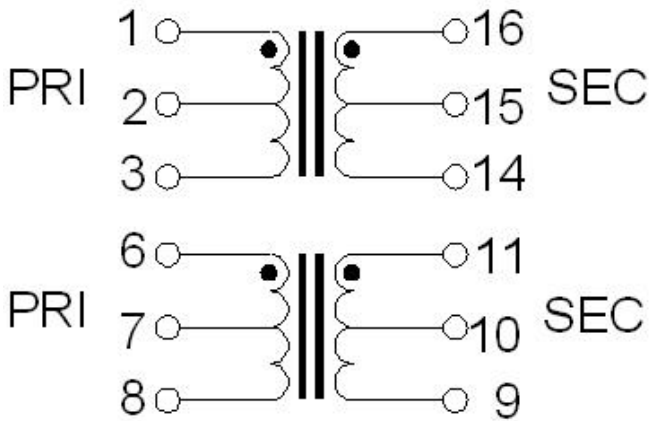


13F-32

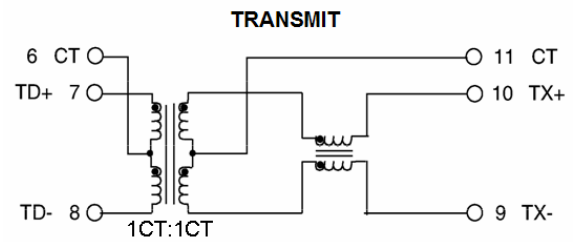
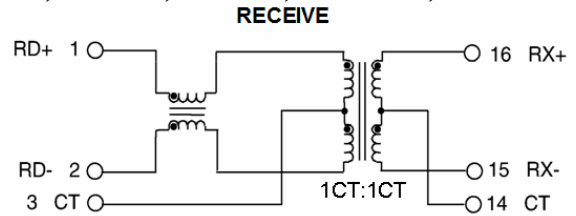
13F-30,13F-31



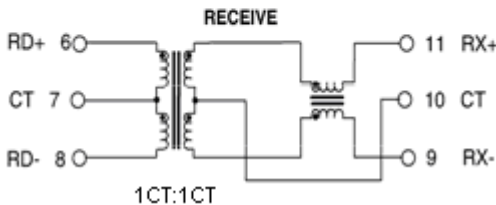
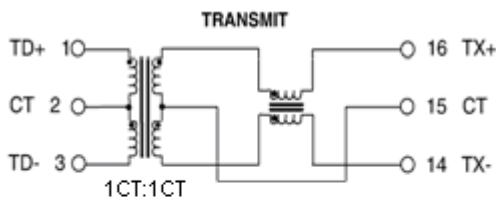
13F-34



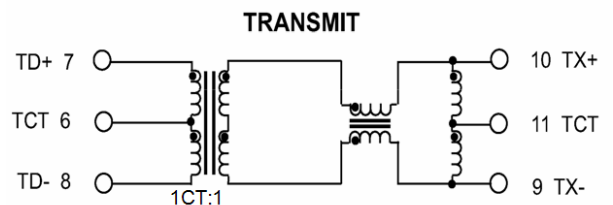
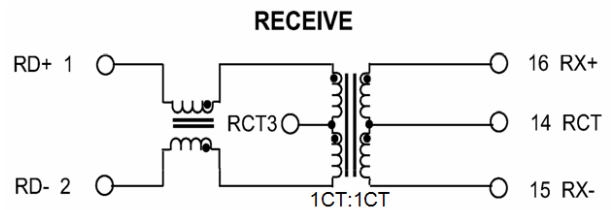
13F-35,13F-37,13F-39,13F-39B,



13F-38

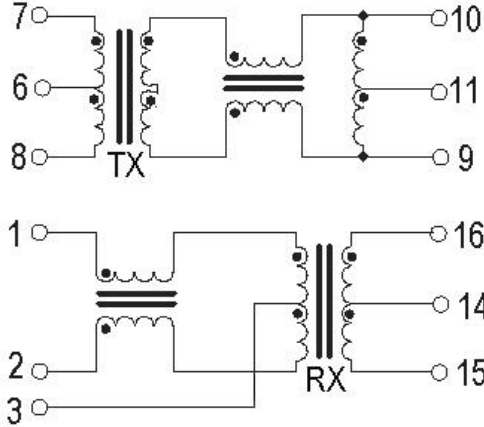


13F-38A

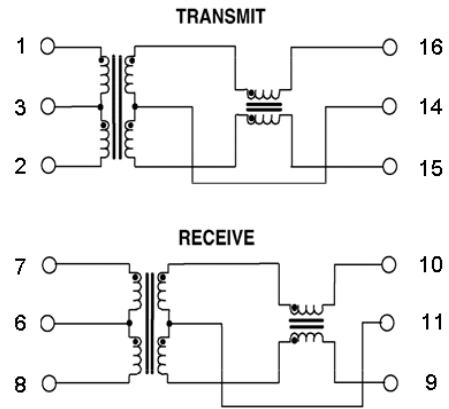




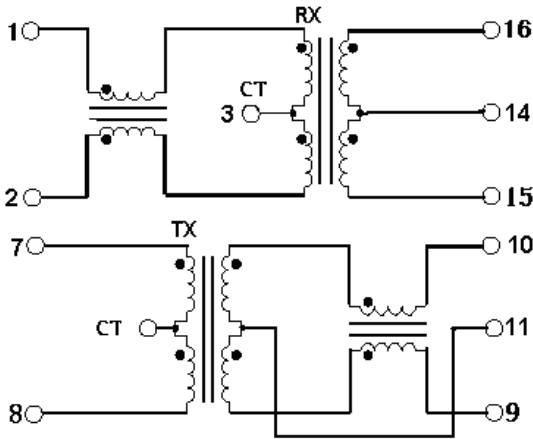
13F-38D



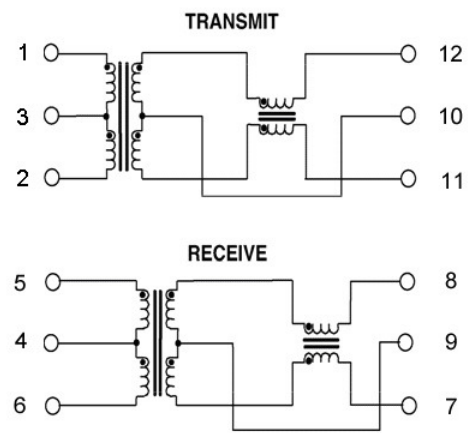
13F-39E



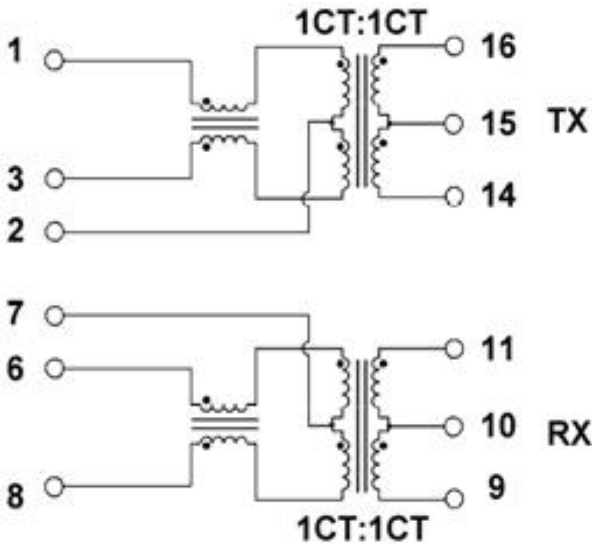
13F-39C



13F-39G



13F-39D



13F-39H

