

# Part Number: AE-SB40011

## 10/100 BASE QUAD PORT TRANSFORMER

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- Compliant with IEEE 802.3 standard.
- RoHS compliant.
- Operating temperature range:-0°C to +70°C.
- Storage temperature range:-0°C to +85°C.

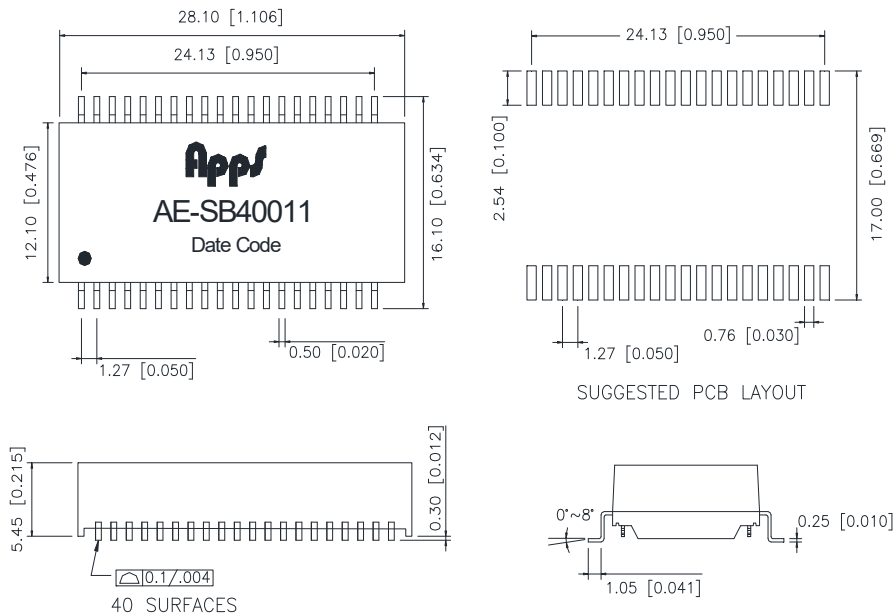
### Electrical Specifications @ 25°C

| Part Number | Turns Ratio(±5%) |         | OCL(uH Min)<br>@100KHz/0.1V<br>with 8.0mA DC | Insertion Loss<br>(dB Max)<br>0.3-100MHz | HI-POT<br>(Vrms) | DCMR<br>(dB Min) |       |        |
|-------------|------------------|---------|----------------------------------------------|------------------------------------------|------------------|------------------|-------|--------|
|             | TX               | RX      |                                              |                                          |                  | 30MHz            | 60MHz | 100MHz |
| AE-SB40011  | 1CT:1CT          | 1CT:1CT | 350                                          | -1.0                                     | 1500             | -40              | -35   | -30    |

### Continue

| Part Number | Return Loss<br>(dB Min) |       |       |          |        | Cross Talk<br>(dB Min) |       |        |
|-------------|-------------------------|-------|-------|----------|--------|------------------------|-------|--------|
|             | 1~30MHz                 | 40MHz | 50MHz | 60~80MHz | 100MHz | 30MHz                  | 60MHz | 100MHz |
| AE-SB40011  | -18                     | -14.4 | -13.1 | -12      | -10    | -43                    | -37   | -33    |

### Mechanicals:



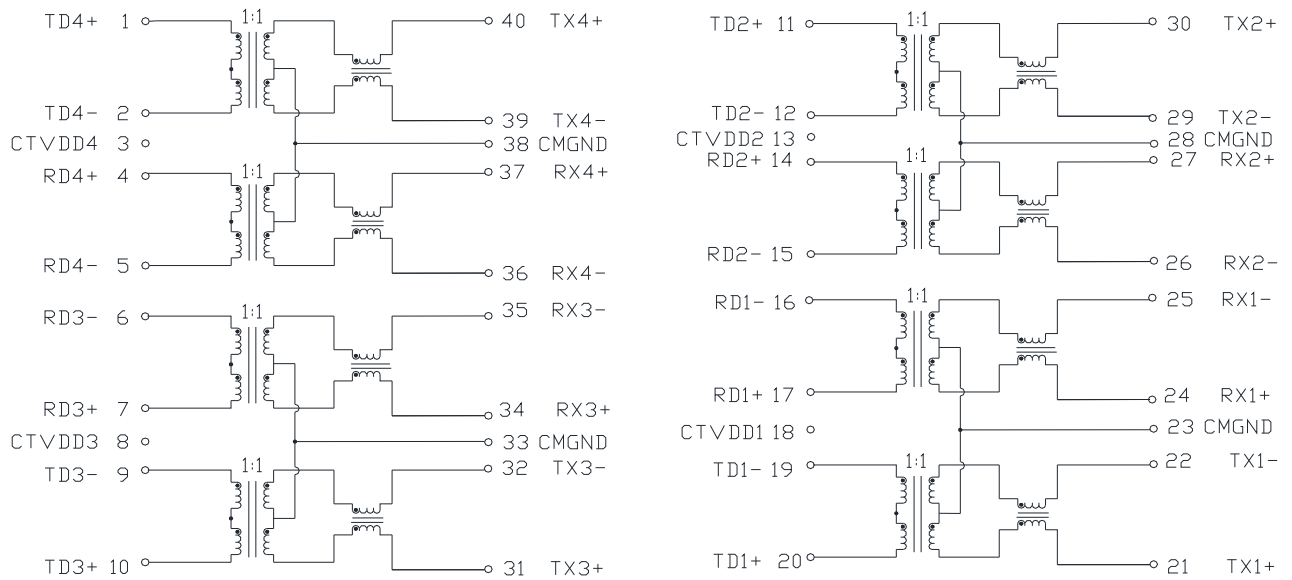
Dimension: mm[Inch]±0.25[0.010]

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**Schematics:**



**Package:**

