

Features:

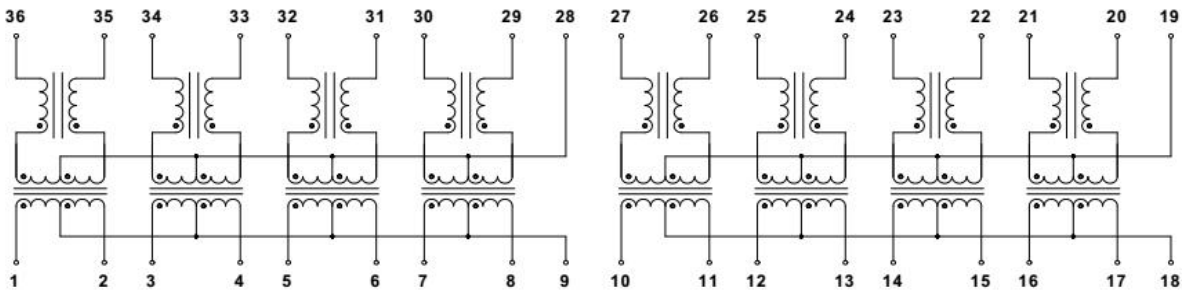


- Designed for Ethernet 100/1000 BASE-T.
- Supports 8 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3af standard for 1000 BASE-T.
- Compliance with ROHS requirements
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -10°C to +85°C.

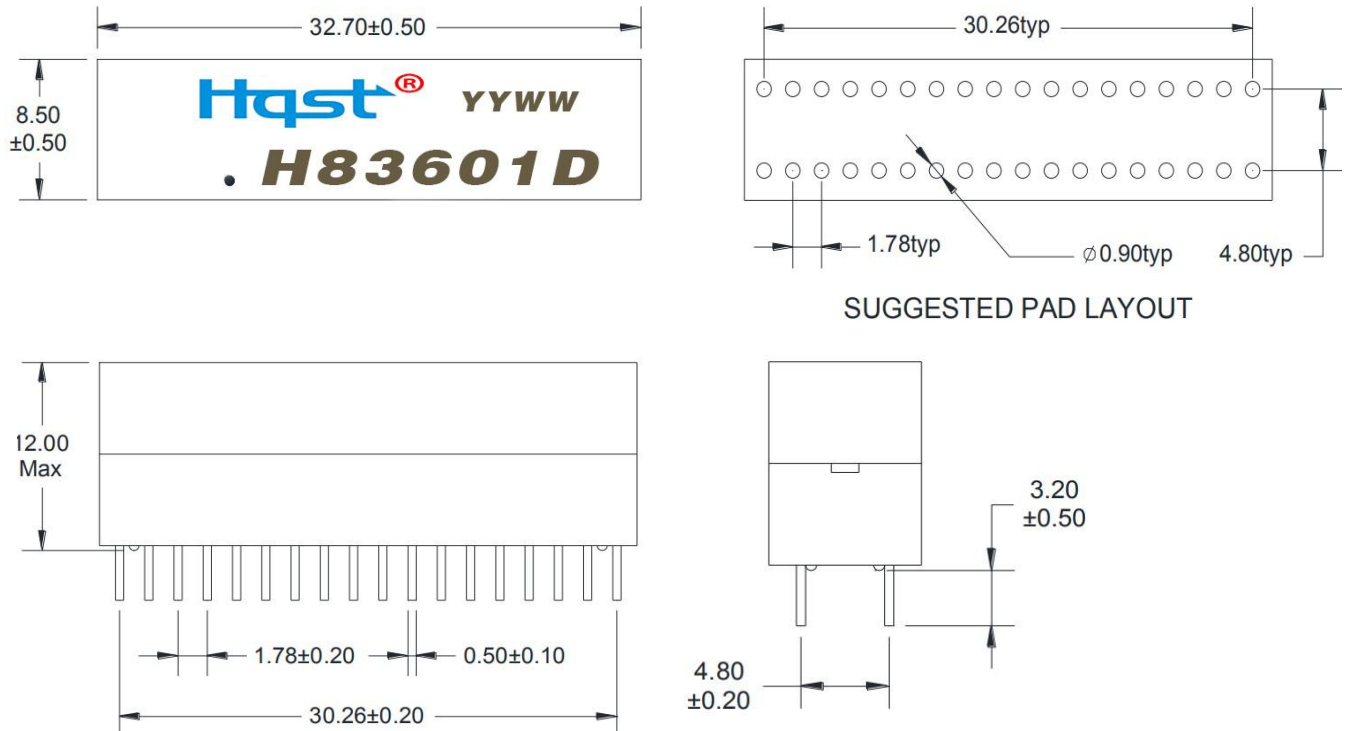
Specifications

| Electrical Specification@25° C Operating Temperature 0 to +70° C |                                    |         |                                      |       |                                     |              |                    |           |                         |                                   |
|------------------------------------------------------------------|------------------------------------|---------|--------------------------------------|-------|-------------------------------------|--------------|--------------------|-----------|-------------------------|-----------------------------------|
| Part NO                                                          | Trun Ratio(±2%)                    |         | OCL<br>primary@100KH<br>z 0.1Vms 8MA |       | Leakage<br>primary@10K<br>Hz 0.1Vms | Cww(Pri:Sec) | DCR(Ω)             |           |                         |                                   |
|                                                                  | TX                                 | RX      |                                      |       |                                     |              | Primary            | Secondary |                         |                                   |
| H83601D                                                          | 1CT:1CT                            | 1CT:1CT | 350uH Min                            |       | 0.5uH max                           | 35PF         | 0.9Max             |           | 1.2Max                  |                                   |
|                                                                  |                                    |         |                                      |       |                                     |              |                    |           |                         |                                   |
| Electrical Specification@25° C Operating Temperature 0 to +70° C |                                    |         |                                      |       |                                     |              |                    |           |                         |                                   |
| Part NO                                                          | Insertion loss(dB<br>max) 1-100MHz |         | Return Loss(db min)MHz               |       |                                     |              | CMRR(dB<br>min)MHz |           | Crosstalk(dB<br>min)MHz | Isolation<br>Voltage(Vrms<br>min) |
|                                                                  |                                    |         | 1-30                                 | 40    | 50                                  | 60-          | 1-60               | 60-100    | 1-100                   |                                   |
| H83601D                                                          | -1.2                               |         | -18                                  | -14.4 | -13                                 | -12          | -40                | -35       | -40                     | 1500                              |

Schematic:



**Mechanical:**



**REEL**

