

# 10GBASE-TX TRANSFORMER MODULES

Part NO:GX82401SP



## Features:

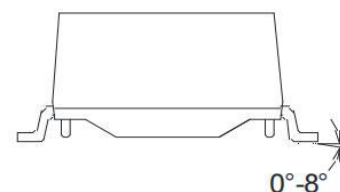
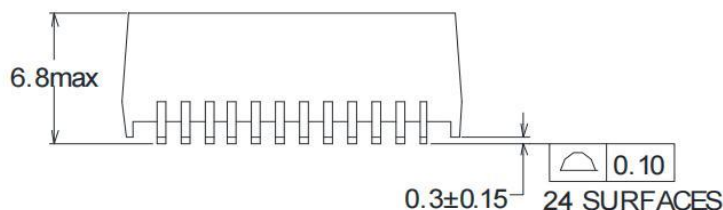
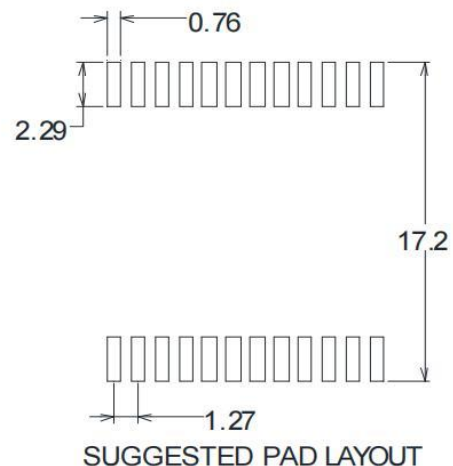
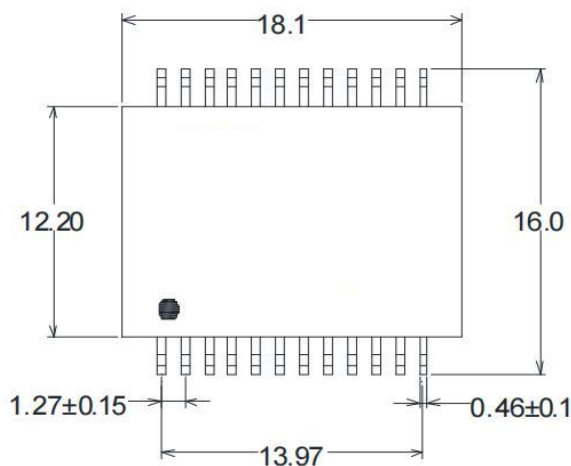
- Meets IEEE802.3 and ANSI3.263 standards
- Suitable For End-span PoE Applications with 2A current Capability(POE 90W)
- RoHS Compliant
- 10G Base-T, Surface Mount Type, Open Header
- Operating temperature range:-40°C to +85°C
- Storage temperature range:-55°C to +125°C

## Specifications

| Electrical Specification@25° C Operating Temperature -40 to +85° C |                         |         |                                        |                        |          |            |        |              |            |
|--------------------------------------------------------------------|-------------------------|---------|----------------------------------------|------------------------|----------|------------|--------|--------------|------------|
| Part NO                                                            | Trun Ratio( $\pm 2\%$ ) |         | OCL<br>primary@1<br>00KHz<br>0.1Vms 2A | Insertion loss(dB max) |          |            | D.C.R  | CMRR(dB Min) |            |
|                                                                    | TX                      | RX      |                                        | 100KHz                 | 1-400MHz | 400-500MHz |        | 1-100MHz     | 100-300MHz |
| GX82401SP                                                          | 1CT:1CT                 | 1CT:1CT | 120uH                                  | -3.0                   | -1.5     | -3.0       | 1.2Max | -35          | -30        |

| Electrical Specification@25° C Operating Temperature -40 to +85° C |                        |                 |                                       |            |                       |            |        |
|--------------------------------------------------------------------|------------------------|-----------------|---------------------------------------|------------|-----------------------|------------|--------|
| Part NO                                                            | Return Loss(dB min)MHz |                 | DIFFERENTIAL MODE<br>REJECTION (CDMR) |            | Cross talk(dB min)MHz |            | Hi-Pot |
|                                                                    | 1-40MHz                | 40.1-500MHz     | 1-125MHz                              | 250-500MHz | 1-100MHz              | 100-500MHz |        |
| GX82401SP                                                          | -18                    | -17+10LOG(f/40) | -32                                   | -22        | -40                   | -30        | 1500V  |

## Mechanical:



**HQST** ELECTRONICS CO., LTD.

<https://shop104373926.taobao.com/>

石门盈盛电子科技有限公司

TEL:0755-21083343 18673625585

<http://wangluobianyaqi.cn/>

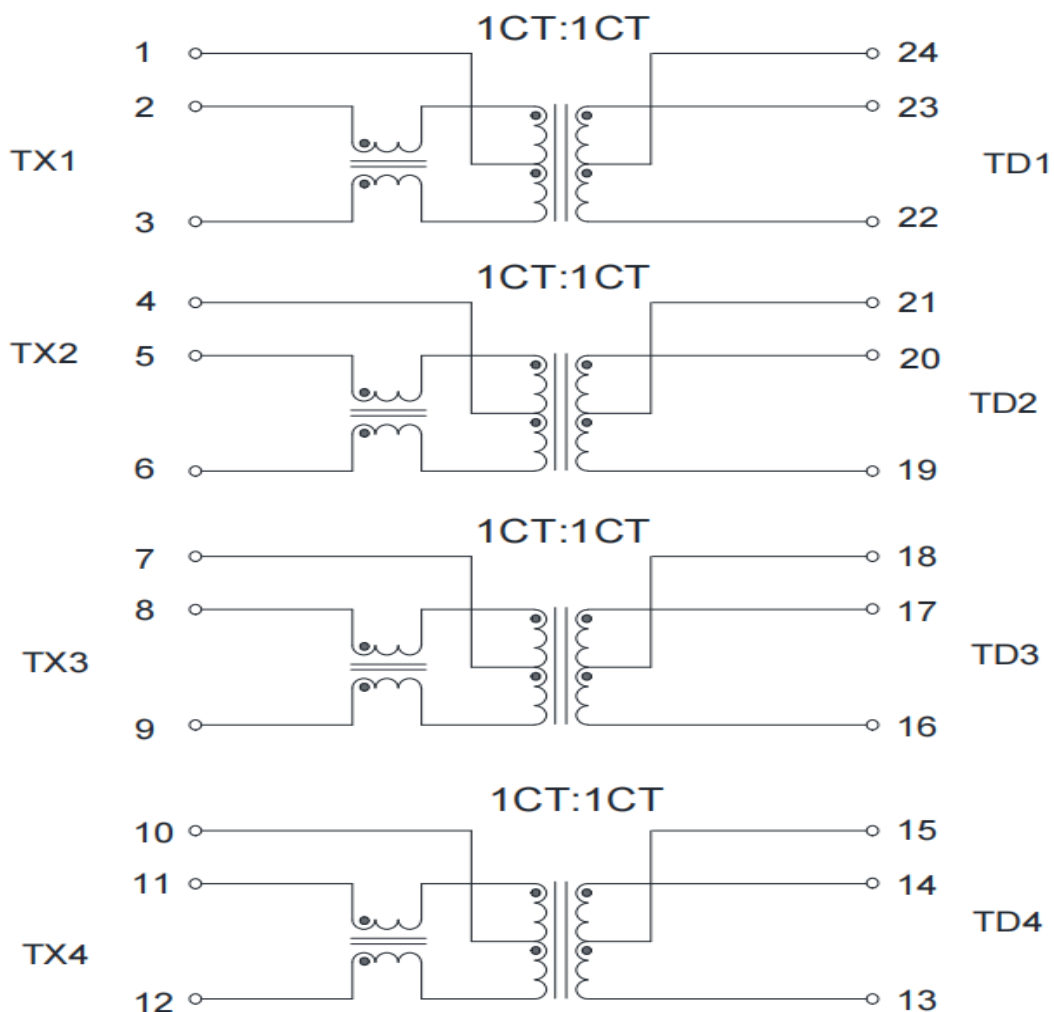
E-mail:hqst008@163.com

# 10G BASE-TX TRANSFORMER MODULES

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## Schematic



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