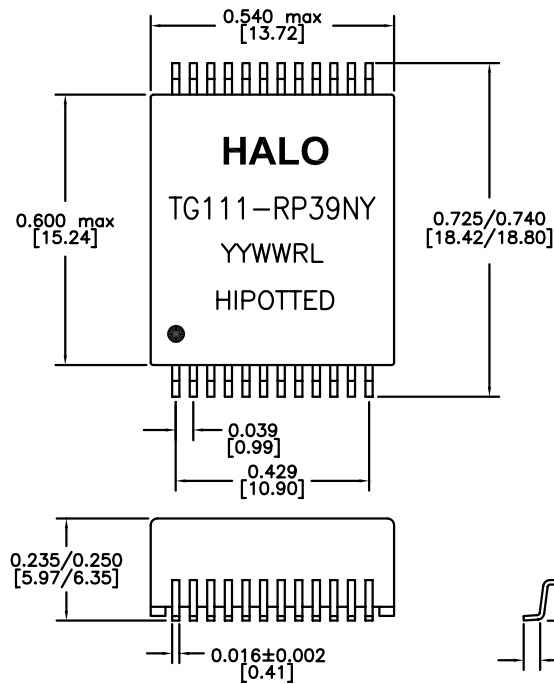
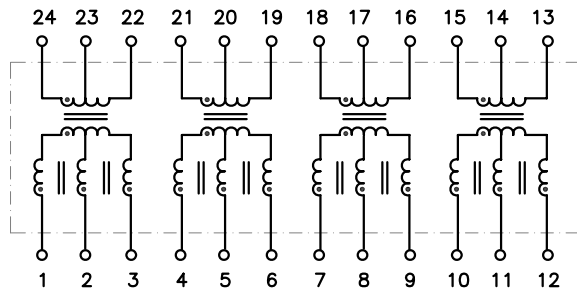




DIMENSIONS: Inch [mm]  
CO-PLANARITY: 0.004 [0.10]  
TOLERANCES:  $\pm 0.005$  INCH IF NOT SPECIFIED



## PART NO. : TG111-RP39NYRL

SINGLE-PORT GIGABIT OR DUAL-PORT FAST ETHERNET  
COMPLIANT WITH IEEE802.3u/ab/af REQUIREMENTS  
350mA CURRENT CARRYING CAPACITY ON EITHER  
TRANSFORMER OR CHOKE SIDE FOR PoE APPLICATIONS

RoHS COMPLIANT

COMPATIBLE TO LEAD-FREE SOLDERING PROCESS  
CONDITION PER IPC/JEDEC J-STD-020C

OPERATING TEMPERATURE 0/70°C

## ELECTRICAL SPECIFICATIONS @ 25° C

|                          |                   |
|--------------------------|-------------------|
| URNS RATIO               | 1CT:1CT $\pm 2\%$ |
| ACL (100KHz,0.1Vrms,8mA) | 350 $\mu$ H min   |
| DCR (TRANSFORMER SIDE)   | 0.9 $\Omega$ max  |
| INSERTION LOSS           |                   |
| 1-100MHz                 | -1.1dB max        |
| RETURN LOSS              |                   |
| 1-40MHz                  | -18dB min         |
| 60MHz                    | -14dB min         |
| 80MHz                    | -12dB min         |
| 100MHz                   | -10dB min         |
| CROSSTALK 1-100MHz       | -40dB typ         |
| CMR 1-100MHz             | -38dB typ         |
| ISOLATION                | 1,500Vrms         |



**HALO/PBL**

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE

TITLE ISOLATION MODULE

FOR PoE APPLICATIONS

PART NO. TG111-RP39NYRL

SCALE NONE

PAGE 1 OF 1

SIGNATURES

DATE

REV.

DESC.

DATE

DRAWN PETER LU

10/6/06

A

FIRST ISSUE

10/6/06

CHECKED LEI KEONG

11/8/07

B

PROD. RELEASE

11/8/07

APPROVED PETER LU

11/8/07

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