

Cut-Through Card Model CTC-239S

SECTION	PAGE #
1. GENERAL.....	1
2. APPLICATIONS.....	1
3. CIRCUIT DESCRIPTION.....	1
4. INSTALLATION.....	2
5. CUSTOMER SERVICE.....	2
6. WARRANTY AND REPAIRS.....	2
7. SPECIFICATIONS.....	2

1. GENERAL

The CTC-239S is a 239-type plug-in card that allows network and customer transmission paths to be connected through a T1 line repeater housing.

Document Status

Whenever this practice is updated, the reason will be stated in this paragraph.

Product Features

- 4-wire transmission path connection
- Fits standard 239-type repeater card slots
- Passive, non-powered operation

2. APPLICATION

When installed in a T1 repeater slot, the CTC-239S provides a metallic cut-through of transmission pairs from input to output. The card eliminates the need for manual splicing of cable pairs in applications that require bypassing of line repeaters.

3. CIRCUIT DESCRIPTION

Signals pass through the CTC-239S from input side to output side as shown in Figure 2.

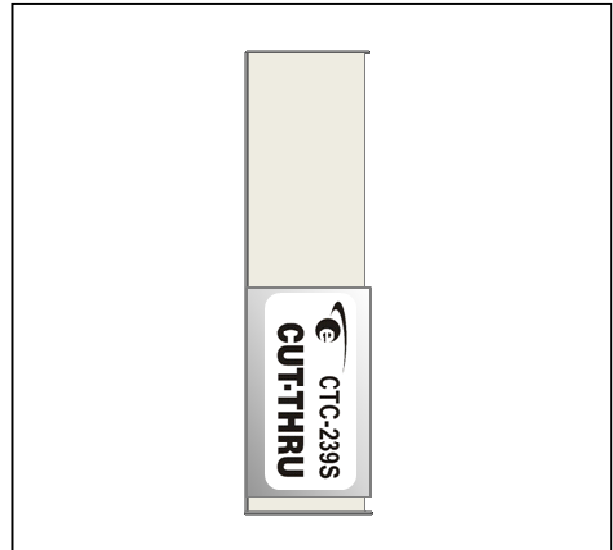


Figure 1. Front view of CTC-239S

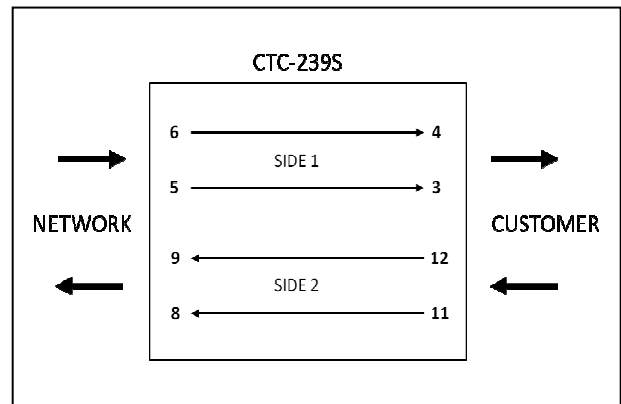


Figure 2. CTC-239S block diagram

4. INSTALLATION

The CTC-239S mounts in one position of a 239-type repeater housing or shelf. Electrical connections are made through the 12-pin card edge connector. Pin designations are outlined in Table 1.

PIN	DESCRIPTION
6	Side 1 Input - Tip
5	Side 1 Input - Ring
4	Side 1 Output - Tip
3	Side 1 Output - Ring
12	Side 2 Input - Tip
11	Side 2 Input - Ring
9	Side 2 Output - Tip
8	Side 2 Output - Ring

Table 1. CTC-239S pin designations

5. CUSTOMER SERVICE

If technical or customer assistance is required, please contact Enginuity at the following address or phone number:

Enginuity Communications
3545 Stern Avenue
St. Charles, Illinois 60174
Toll Free: 1-800-980-3266
Voice: (630) 444-0778
www.enginuitycom.com

6. WARRANTY & REPAIRS

Warranty

Enginuity warrants this product for five (5) years from date of purchase. Any attempt to repair or modify the equipment by anyone other than an authorized Enginuity representative will void the warranty.

Repair and Return

Enginuity equipment will be repaired or replaced without cost during the warranty period if the product is defective for any reason other than abuse, improper use, or improper installation. Before returning defective equipment, first request a Return Material Authorization (RMA) number from Enginuity. Once an RMA number is obtained, return the unit, freight prepaid, along with a brief description of the problem, to:

Enginuity Communications
3545 Stern Avenue
St. Charles, Illinois 60174
ATTN: Repair & Return Dept.

Replacements will be shipped in the fastest manner consistent with the urgency of the situation. Repair or replacement of faulty equipment beyond the warranty period is available for a nominal charge. Contact Enginuity for details.

7. SPECIFICATIONS

Mounting: 239-type T1 repeater slot

Size: 2.7" H x 0.6" W x 6.2" D

Weight: 0.1lb (1.6oz).