Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

REV. Status

PRELIMINARY
11/06/00 BT

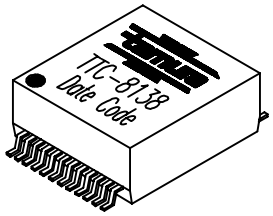
PRELIMINARY 1
DELETED DCR
ON PG. 1, &
ADDED PAD
LAYOUT ON
PG. 2.
11/27/00 LL

PRELIMINARY

Gigabit Ethernet, 1000 Base–T
24 pin SOIC

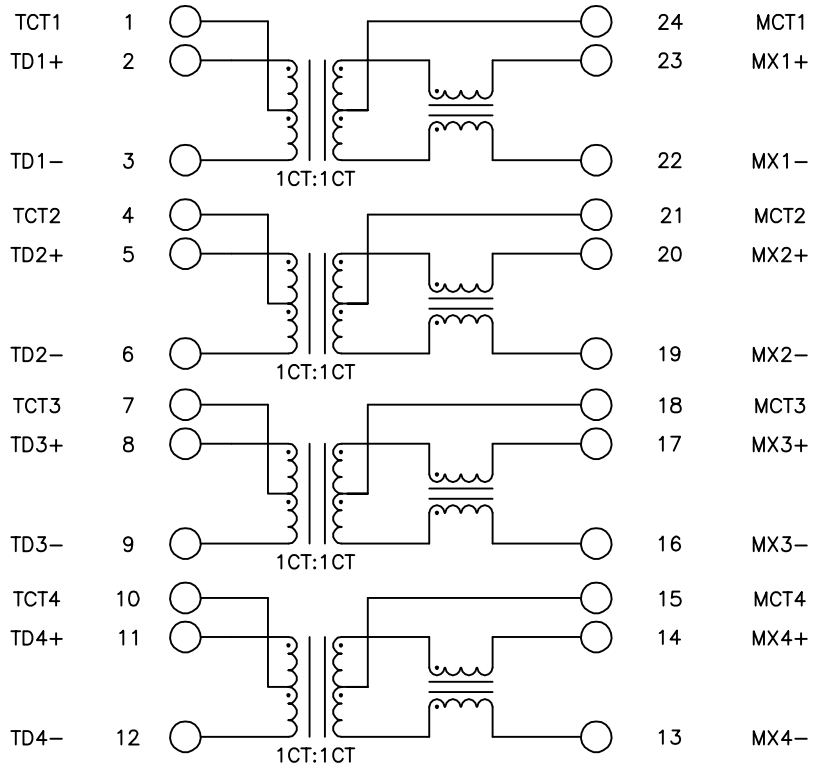
MODEL NUMBER
TTC–8138

- Supports 4 pairs of Category UTP5 cable
- Complies with IEEE 802.3ab Standard
- Surface Mount Device withstands IR reflow profile process
- Operating temperature: 0°C to 70°C
- Enhanced Common Mode Attenuation



Electrical Specification @ 25°C

Insertion Loss (dB Max)	Return Loss (dB Min)			Differential Mode Rejection Ratio (dB Min)	Common Mode Rejection Ratio (dB Min)	Leakage Inductance (µH Max)	Crosstalk (dB Min)	OCL (µH Min)	Hipot (Vrms)
1–100 MHz	0.1–30 MHz	60–80 MHz	100 MHz	30–100 MHz	30–100 MHz		1–100 MHz	8mA DC Bias	
–1	–18	–12	–10	–33	–30	0.5	–35	350	1500



PREPARED BY: D. Rund

ENGINEER: L. Le

QUALITY CONTROL: D. Kelley

APPROVED: J. Coleman

DWG CONTROL NO. P–A1–12655
ACAD\TTC\A1126551.DWG

REV PR1

GIGABIT ETHERNET, 1000 BASE–T
24 PIN SOIC

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590–6624
(909) 699–1270 FAX 9096769482

TTC–8138
MODEL SPECIFICATION

DIM: mm(In) | SCL: NONE | SH: 1 OF 2

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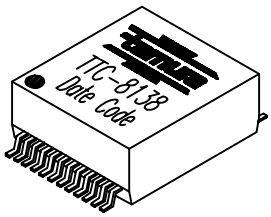
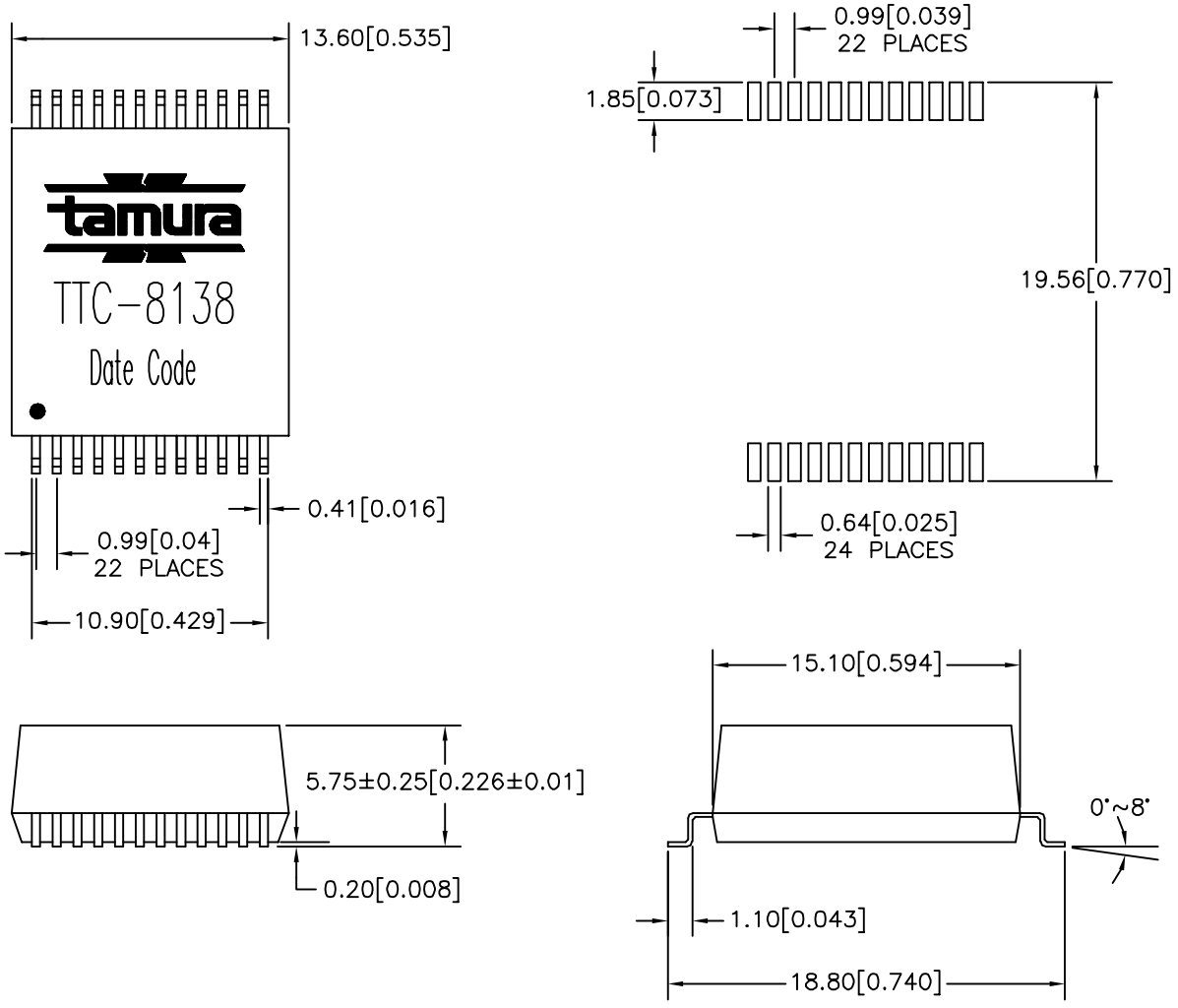
REV. Status
PRELIMINARY 11/06/00 BT
PRELIMINARY 1 DELETED DCR ON PG. 1, & ADDED PAD LAYOUT ON PG. 2. 11/27/00 LL

Gigabit Ethernet, 1000 Base–T
24 pin SOIC

MODEL NUMBER
TTC–8138



PRELIMINARY



NOTE: Unless otherwise specified, all dimensions are mm[in] with tolerance of ±0.25[0.010]

PREPARED BY: D. Rund				
ENGINEER: L. Le	DWG CONTROL NO. P–A1–12655 ACAD\TTC\A1126552.DWG	REV PR1	GIGABIT ETHERNET, 1000 BASE–T 24 PIN SOIC	TTC–8138 MODEL SPECIFICATION
QUALITY CONTROL: D. Kelley	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590–6624 (909) 699–1270 FAX 9096769482	DIM: mm(In) SCL: 3/1 SH: 2 OF 2
APPROVED: J. Coleman	PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.			