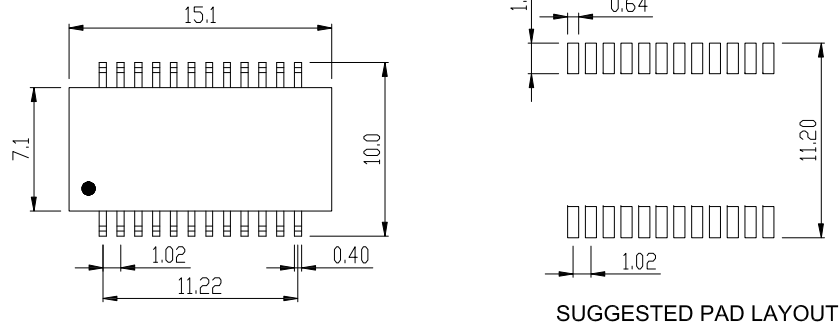


ROHS ENVIRONMENTAL PROTECTION

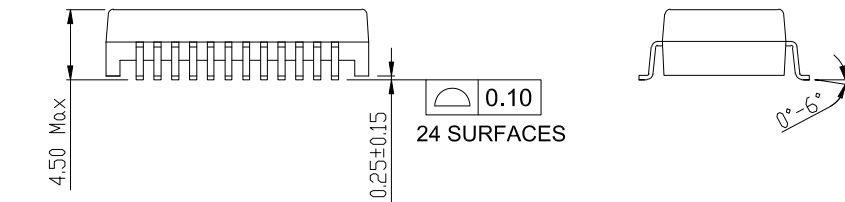
REV.	DESCRIPTION	ECN NO.	APPD.
R1	NEW RELEASE		

MECHANICAL



100/1000 BASE-T SINGLE PORT SURFACE MOUNT LAN TRANSFORMER

- Meet IEEE 802.3 & ANSI X3.263 Standards.
- This is a RoHS compliant component, All engineering changes must have prior approval by the design center
- Plastic: Thermoset plastic material with flammability rating UL 94V-0 or better
- Solderability: Conforms to ANSI/J-STD-002,245°C reflow peak temperature per IPC/EIA J-STD-003A
- J-STD-020 Moisture sensitive level 1.
- Operation temperature: 0°C~+70°C
- Storage condition: -20°C ~ 125°C, 20~80%RH.

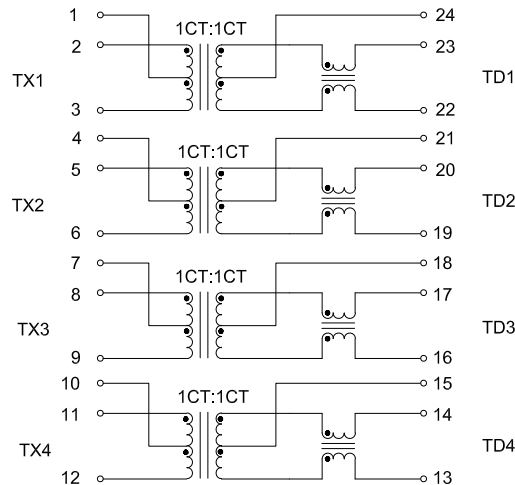


Dimensions: mm unless otherwise specified, tolerances as following.
 .X = ±0.25
 .XX = ±0.13

ELECTRICAL SPECIFICATIONS @ +25°C UNLESS OTHER SPECIFIED

Inductance (OCL)	350 uH Min @ 100KHz/0.1V with 8mA DC Bias	
Hi-Pot	1500 Vrms	
Turns Ratio	1CT:1CT ± 5%	
DCR (Diff. pair)	PHY side = 0.90 OHM MAX, Cable side = 1.20 OHM MAX	
Cw/w	PHY side : Cable side = 28pF Typ @ 100KHz/0.1V	
OCL Balance	1uH MAX @ 100KHz/0.1V	
Insertion Loss	1~100 MHz: -1.1 dB Max	
Return Loss	1~40 MHz	40~100 MHz
	-18 dB Min	-18+20*log(f/30) dB
Cross Talk	1~40 MHz	40~100 MHz
	-35 dB Min Ref.	-33+20*log(f/50) dB
CMRR	1~100 MHz	
	-30 dB Min Ref.	

SCHEMATIC



LT 2 4 S 2 0 0 1 D - X

Pin Number	24: 24PIN
Termination Method to PCB	S: SMT

Packing	T: Tube
	R: Tape & Reel

QUALITY SYMBOLS ■ : CRITICAL ▽ : ZERO DEFECT ☒ : MAJOR S.P.C	UNIT: mm SCALE: NTS	Size: A3
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TOLERANCE UNLESS OTHERWISE SPECIFIED: DECIMALS: X: ±0.5 X.X: ±0.3 X.XX: ±0.2 ANGLES: X: ±2° X.X: ±1°	
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Yee YEESHINE TECHNOLOGY DONGGUAN CHINA				
APPROVED	CHECKED	DRAWN	PART NO.	LT24S2001D-X
23MAR2016	23MAR2016	22MAR2016	DESCRIPTION	100/1000 Base-T Single Port SMT Isolation Transformer
K.L.	Jack Liu	Jack Liu	CUSTOMER COPY	SHEET 1 OF 1 DRAWING NO. YEE160126 REV R1