

# 10/100BASE-TX ETHERNET OVER IP TRANSFORMER MODULES

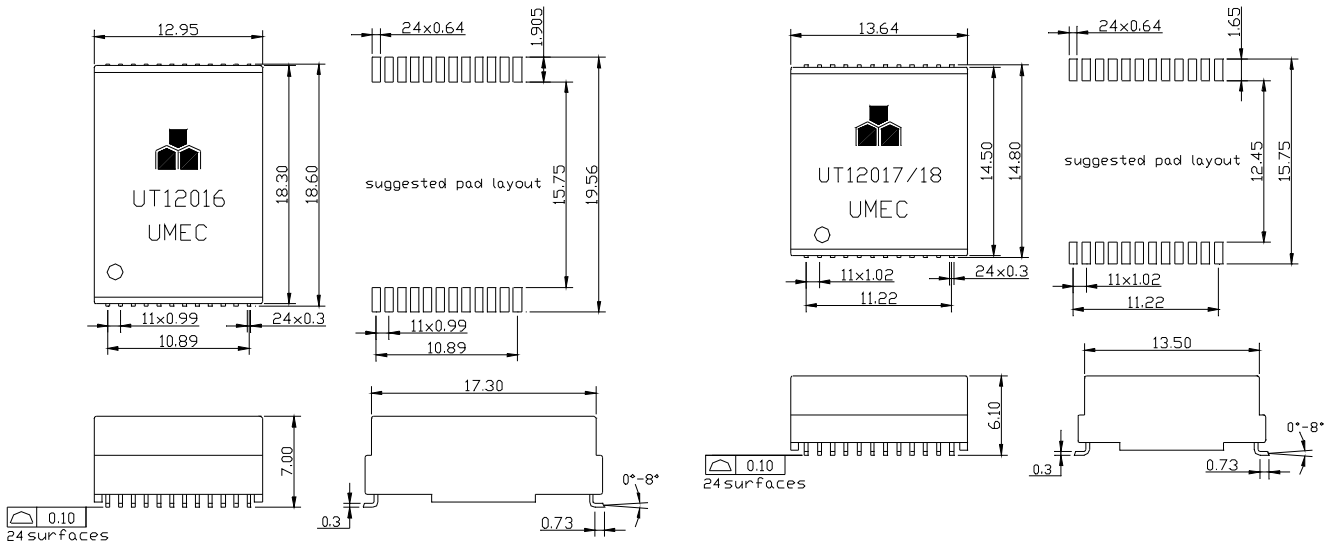
- Compliant performance meet IEEE 802.3af/ANSI X3.263 standard Including 350uH min. OCL with 8mA DC bias.
- Operating temperature: 0°C to 70°C
- 350mA current capability.
- Designed for IP phone or switch applications.
- Non-RoHS soldering peak temperature 230±5°C IR Reflow.
- RoHS compliant soldering peak temperature 245°C(+0/-5°C) IR Reflow
- Isolation voltage: 1500Vrms

## ELECTRICAL SPECIFICATIONS @25°C

Model No.	Ports	Insertion Loss (dB Max.)	Return Loss (dB Min. @ 100Ω)				Cross Talk (dB Min.)			Differential to Common Mode Rejection Ratio (dB Min.)			Common to Common Rejection Ratio (dB Min.)	DC Resistance Balance ≤(%)
			1-30MHz	40MHz	50MHz	60-80MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	1-100MHz	
UT12013	1	-1.2	-16	-14	-13	-12	-45	-40	-35	-43	-37	-33	-35	3.5
UT12016	2	-1.2	-16	-14	-13	-12	-43	-37	-33	-43	-40	-33	-35	3.5
UT12017	2	-1.2	-16	-14	-13	-12	-43	-37	-31	-43	-37	-33	-35	3.5
UT12018	2	-1.2	-16	-14	-13	-12	-43	-37	-33	-40	-35	-30	-35	3.5
UT12019	2	-1.1	-16	-14	-13	-12	-43	-37	-33	-43	-37	-33	-35	3.5
UT12020	4	-1.2	-16	-14	-13	-12	-45	-40	-35	-43	-37	-33	-35	3.5

Note: For RoHS compliant products, the Ordering Code: TG-Model No. ex. TG-UT12013

## Mechanicals



Tolerances:±.25mm

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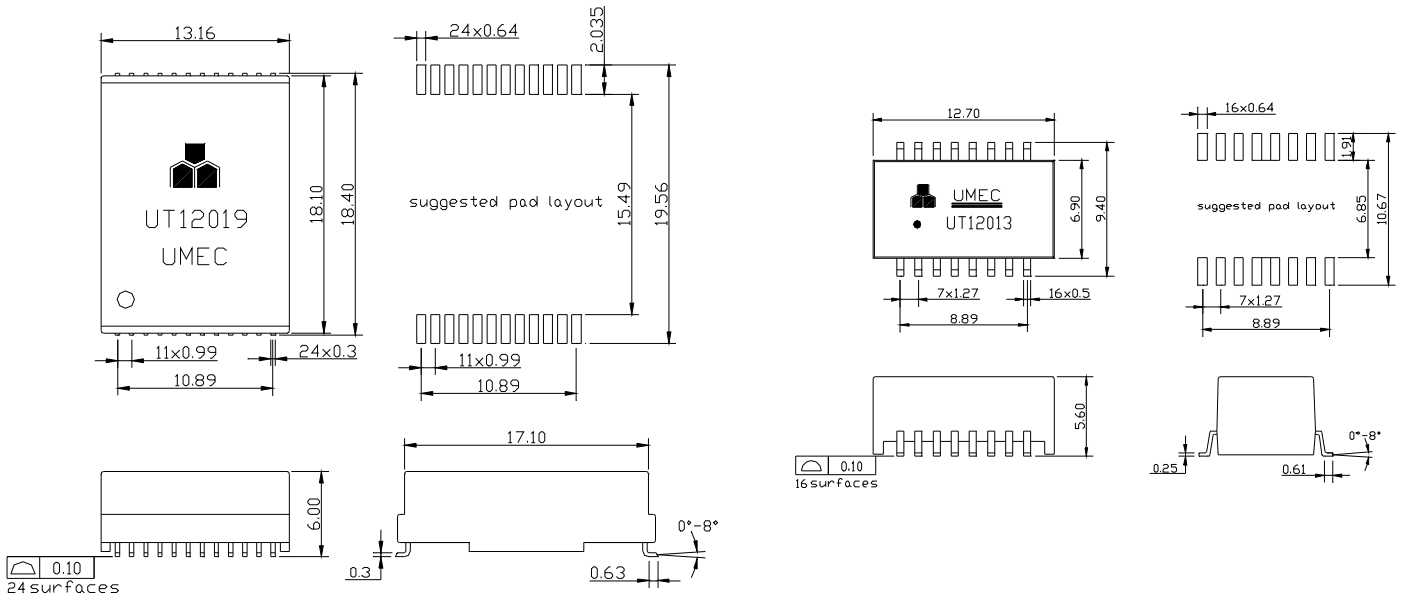


UNIVERSAL MICROELECTRONICS CO.,LTD.  
TEL:886-4-23590096 FAX:886-4-23590129

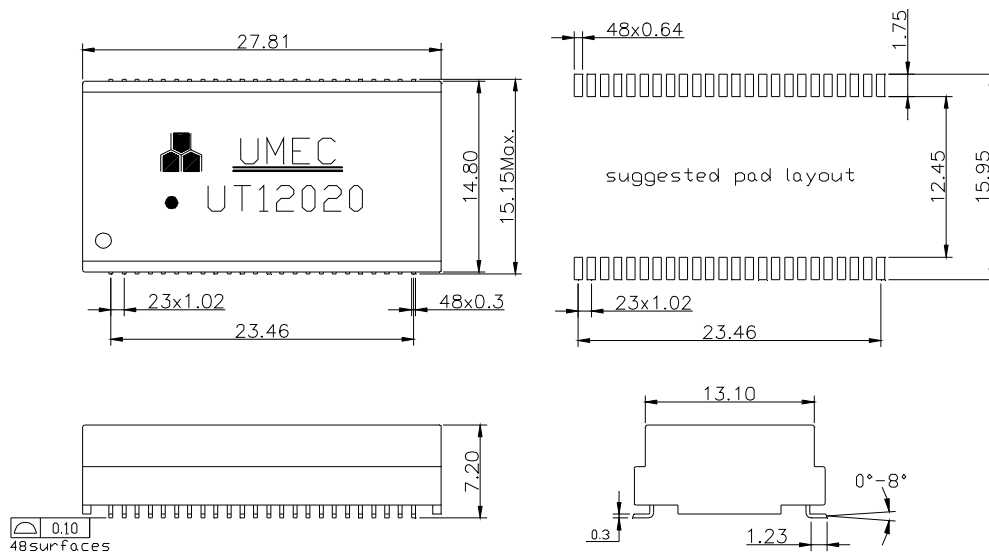
3,27TH RD.,TAICHUNG INDUSTRIAL PARK,  
TAICHUNG,TAIWAN,R.O.C

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Mechanicals (continued)



Tolerances: ±.25mm



Tolerances: ±.25mm

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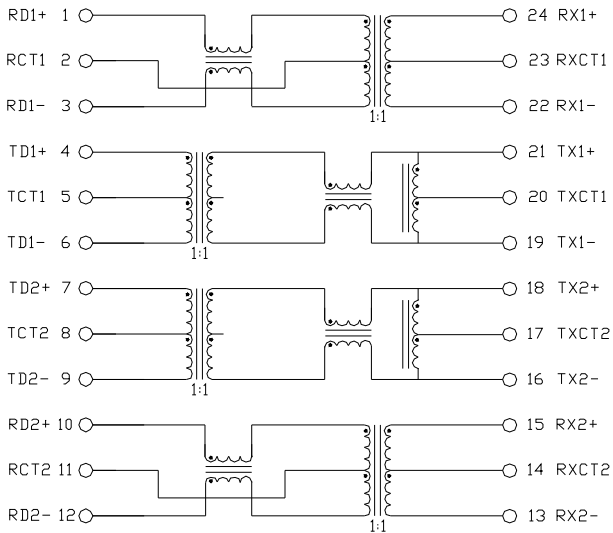
UNIVERSAL MICROELECTRONICS CO., LTD.  
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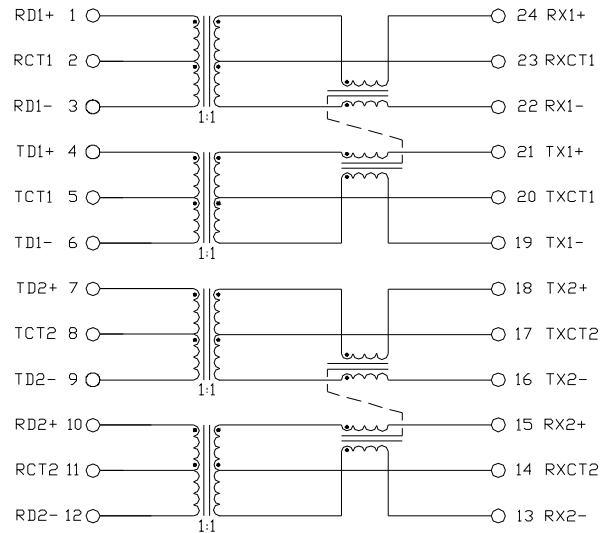
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## Schematics

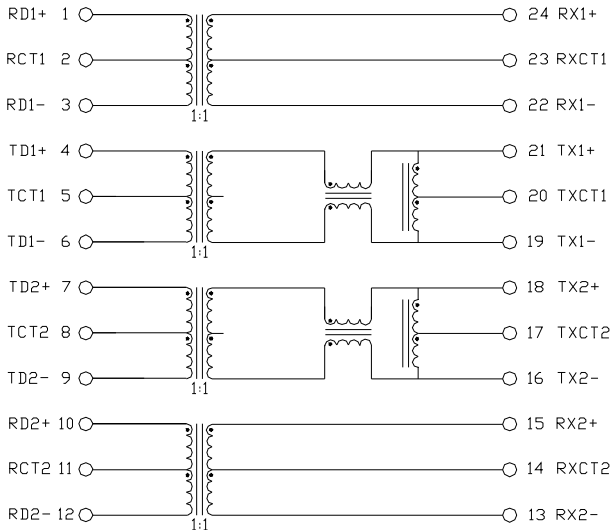
UT12016



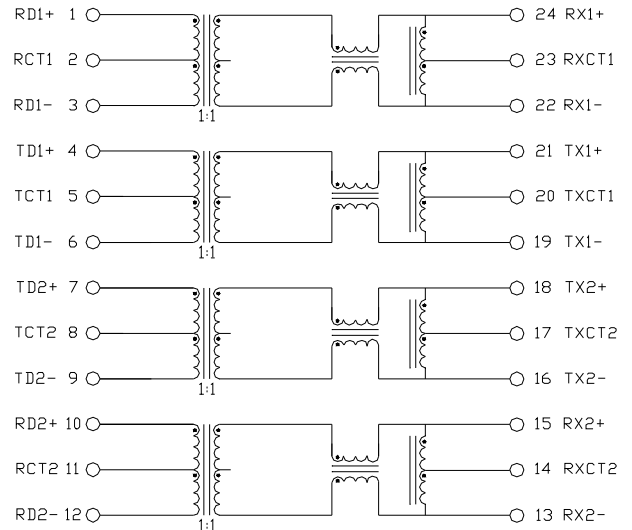
UT12017



UT12018



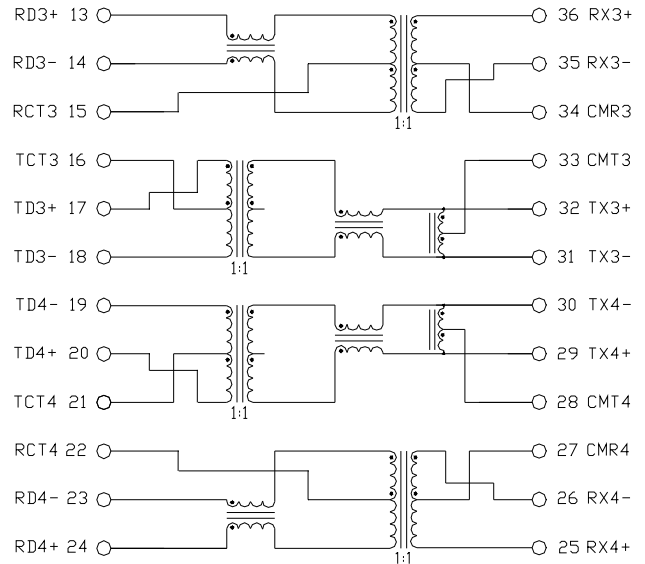
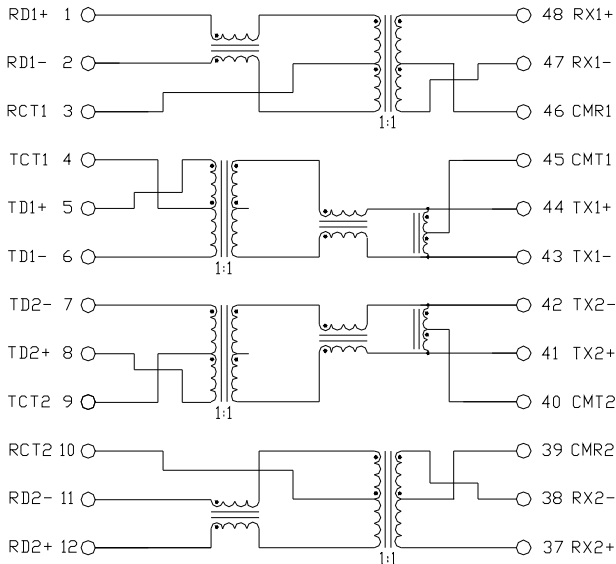
UT12019



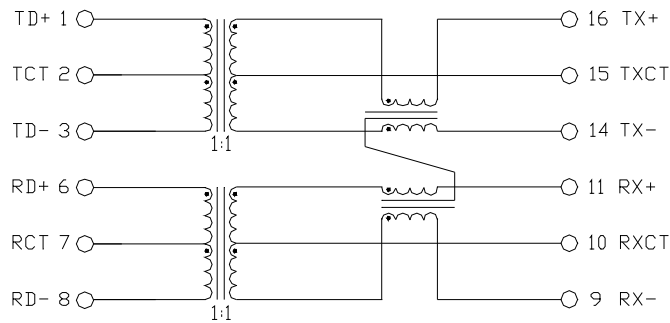
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Schematics (continued)

UT12020



UT12013



\*Specifications are subject to change without prior notice.

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