



100/1000M Base Transformer

Features

- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3 standard for 1000Base-T
- Surface Mount Type
- RoHS compliant

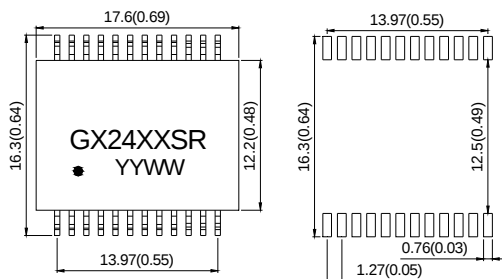
Electrical Specification@25°C Operating Temperature -40 to 85°C											
Part No.	Insertion loss	Return loss				CMRR		Cross talk		Isolation	Package
	(dB Max)	(dB Typical .)				(dB Min .)		(dB Min .)		Voltage	
	MHz	MHz				MHz		MHz		(Vrms Min)	
	1-100	1-30	40	50	60-100	0.1-60	60-100	0.1-60	60-100		
GX2401SR	-1.0	-18	-16	-16	-10	-35	-30	-33	-33	1500	A
GX2402SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	E
GX2403SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	B
GX2403PR	-1.0	-18	-14.4	-13.1	-12	-35	-30	-33	-33	1500	F
GX2404SR	-1.0	-18	-14.4	-13.1	-12	-40	-45	-37.5	-33	1500	B
GX2405SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	B
GX2406PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	G
GX2409SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	A
GX2411SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	A
GX2411PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	H
GX2412PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	H
GX2413PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	H
GX2414PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	C
GX2415SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	B
GX2417SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	D
GX2418PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	H
GX2419PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	G
GX2421SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	B
GX2423SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	I
GX2423PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	H
GX2426PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	H
GX2427SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	E
GX2427PR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	C
GX2428SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	D
GX2431SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	J
GX2432SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	B
GX2435SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	B
GX2437SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	A
GX2439SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	B
GX2442SR	-1.0	-18	-14	-13.1	-10	-35	-30	-33	-33	1500	K



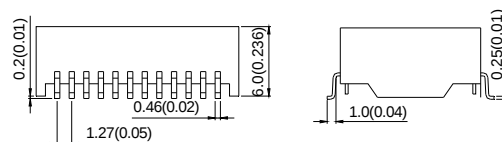
100/1000M Base Transformer

Dimension: mm(inch)+/-0.25(0.01)

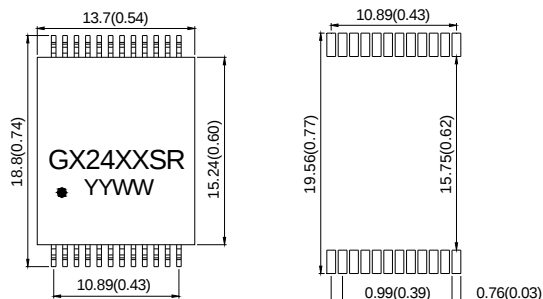
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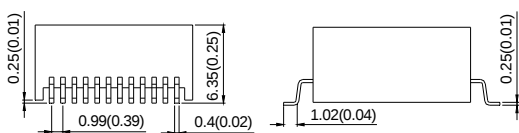
SUGGESTED PAD LAYOUT



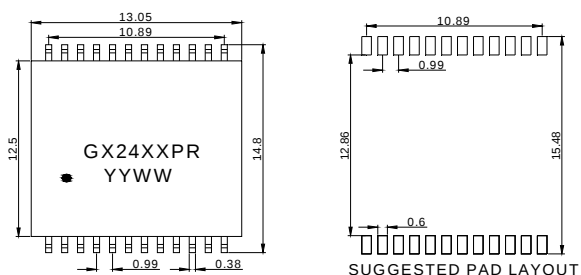
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SUGGESTED PAD LAYOUT



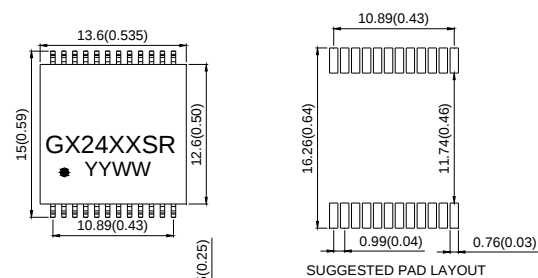
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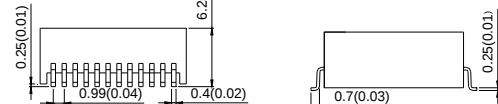
SUGGESTED PAD LAYOUT



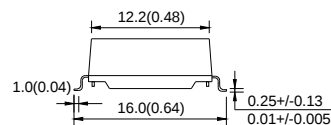
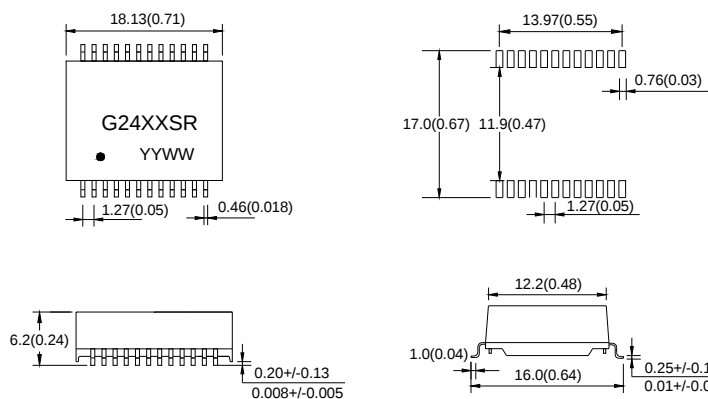
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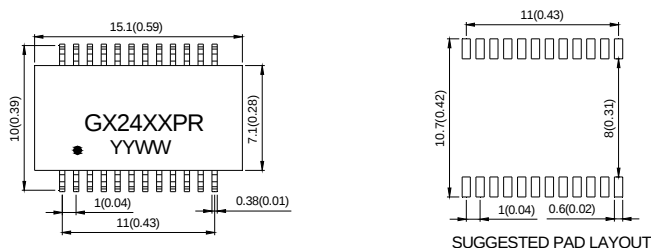
SUGGESTED PAD LAYOUT



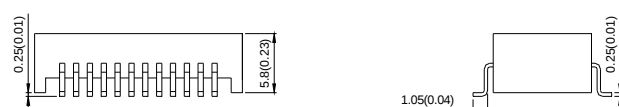
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F



SUGGESTED PAD LAYOUT

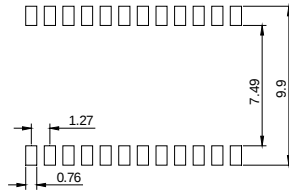
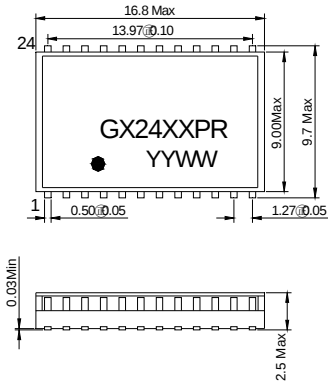




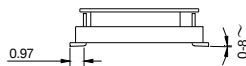
100/1000M Base Transformer

Dimension: mm(inch)+/-0.25(0.01)

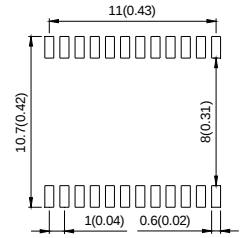
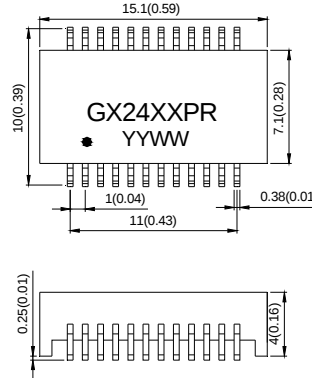
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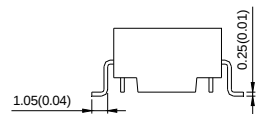
Suggested PCB Layout



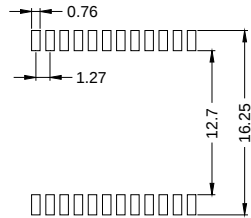
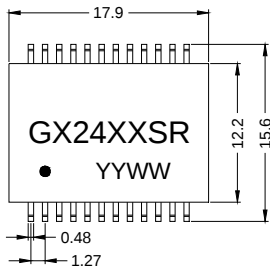
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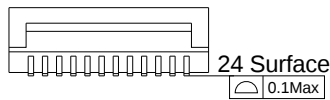
SUGGESTED PAD LAYOUT



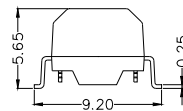
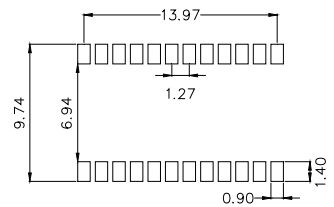
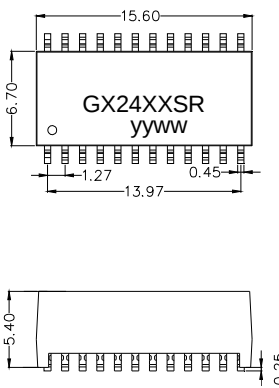
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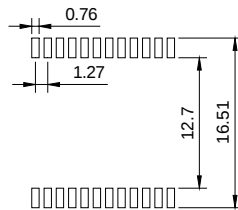
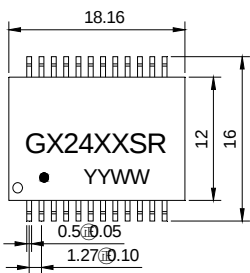
Suggested PCB Layout



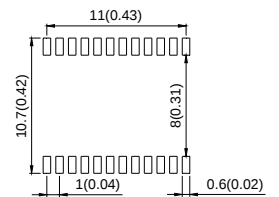
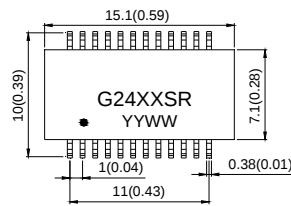
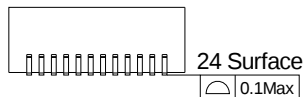
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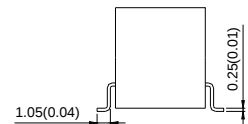
K



Suggested PCB Layout



SUGGESTED PAD LAYOUT

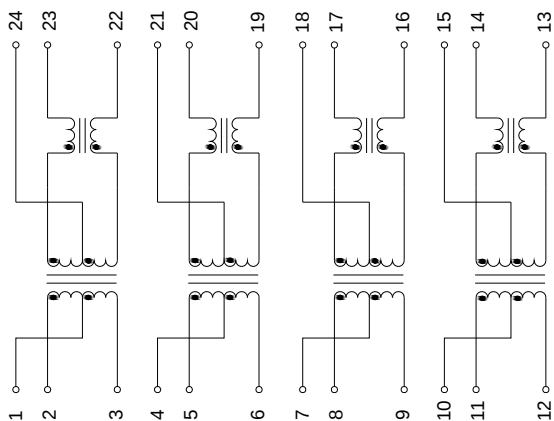




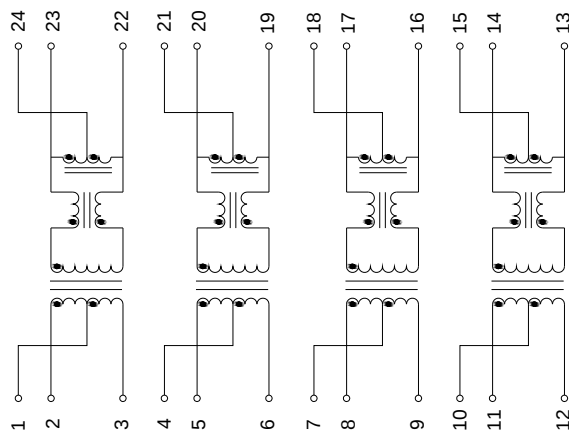
100/1000M Base Transformer

Schematic

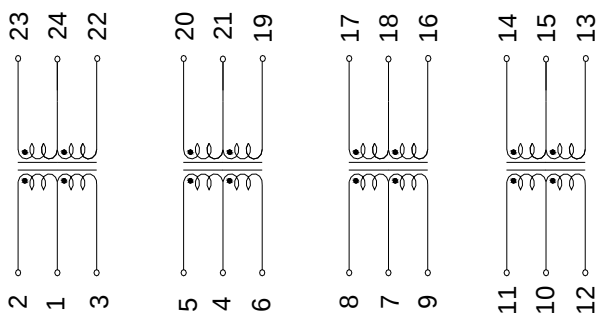
GX2401SR,GX2404SR,GX2413PR,GX2427SR
GX2431SR



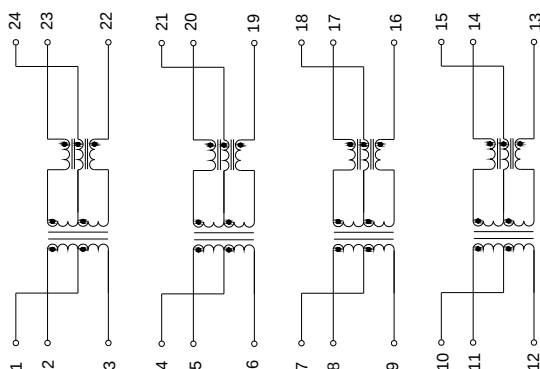
GX2402SR,GX2403SR



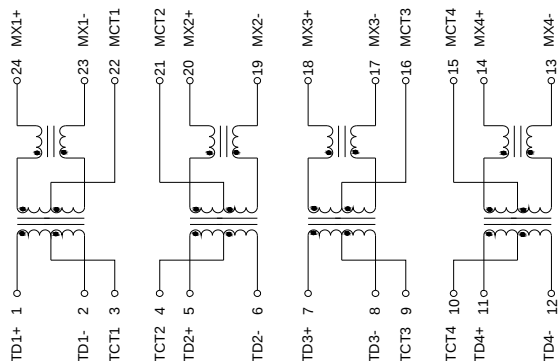
GX2403PR,GX2418PR



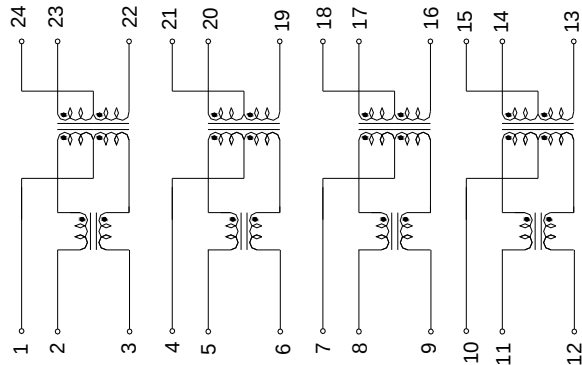
GX2405SR



GX2406PR,GX2415SR,GX2419PR,GX2432SR



GX2411SR,GX2412PR,GX2428SR

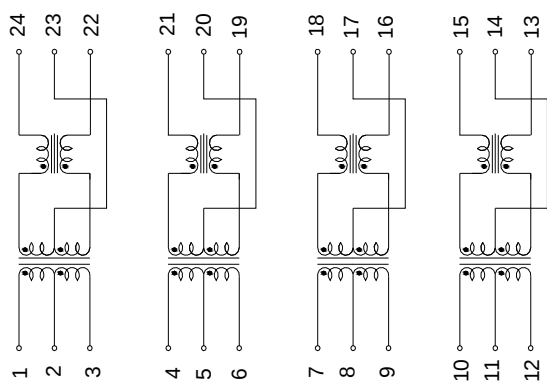




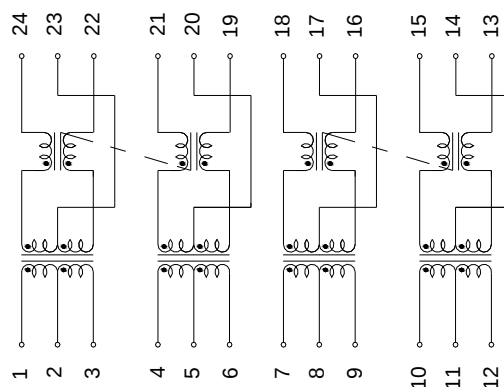
100/1000M Base Transformer

Schematic

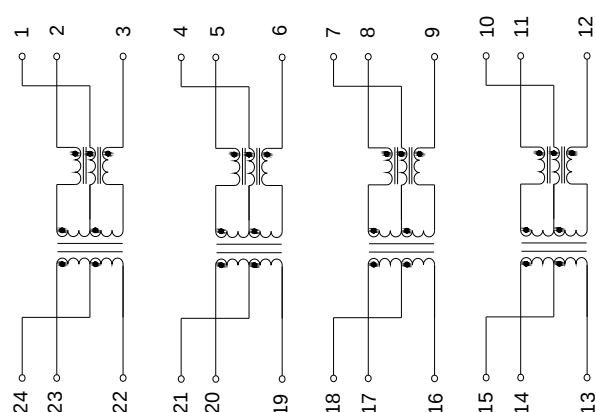
GX2411PR,GX2427PR



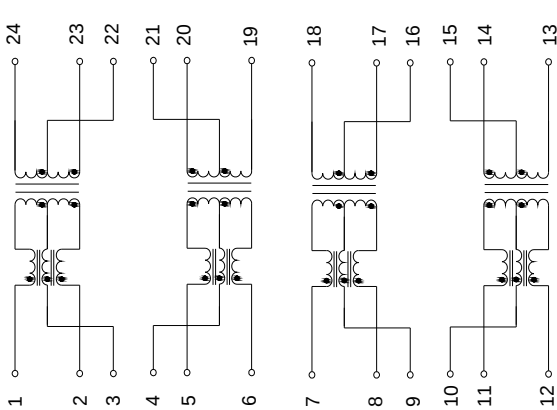
GX2417SR



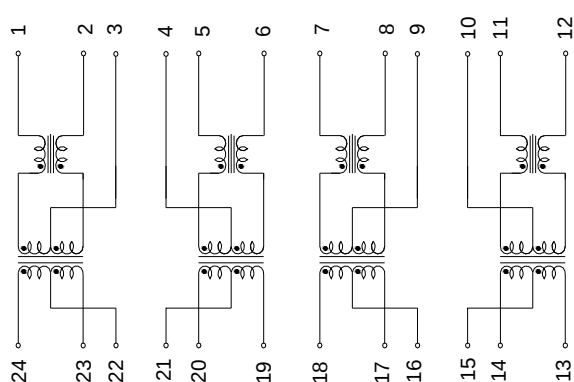
GX2421SR,GX2423SR,GX2423PR



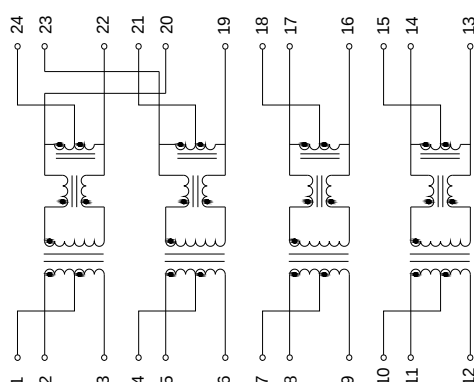
GX2426PR



GX2435SR



GX2437SR

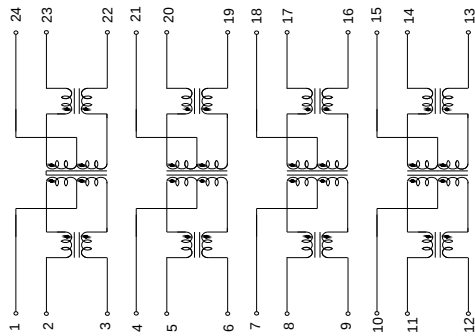




100/1000M Base Transformer

Schematic

GX2439SR



GX2442SR

