

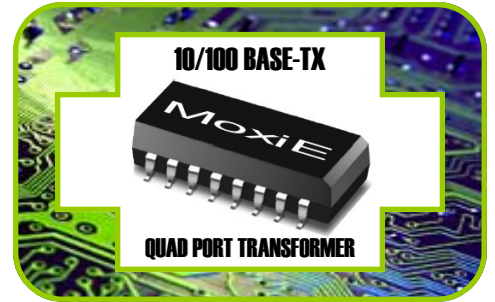
# MOX-LAN-QP4B-1200

## SURFACE MOUNT QUAD PORT PORT TRANSFORMER

MoxiE's LAN-QP4B-1200 series of surface mount single port transformers are designed with a compact footprint and a low profile.

### FEATURES:

- UL certified.
- Low cost.
- Meets IEEE 802.3 & ANSI X3.263 standards.
- 350μH OCL with 8mA bias.
- RoHS compliant.
- Wide range of turns ratios to accommodate various designs.
- MoxiE Inductor Corporation custom designs available.



## NOTES

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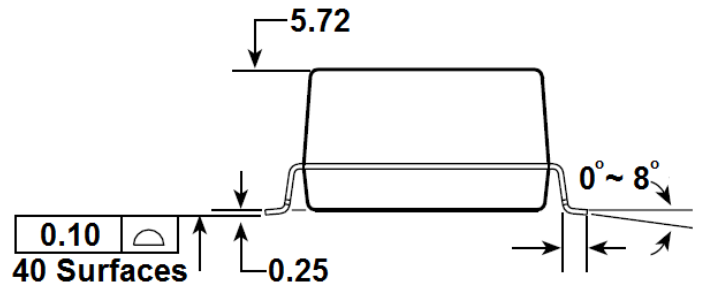
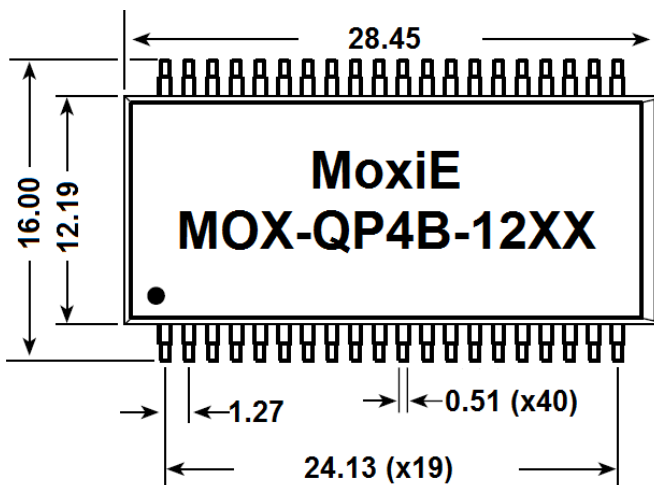
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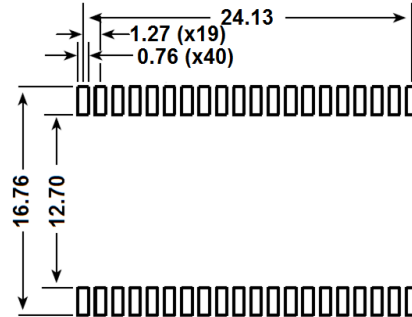


## MECHANICAL DIMENSIONS





## LANDING PATTERN



## ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Insertion Loss Maximum	Return Loss dB (Min)	Return Loss dB (Min)	Return Loss dB (Min)	Return Loss dB (Min)	Cross Talk dB (Min)	Cross Talk dB (Min)	Cross Talk dB (Min)	Cross Talk dB (Min)	DCMR* dB (Typ)	DCMR* dB (Typ)	Hi-Pot (Vrms)
	100KHz~100MHz (dB Maximum)	2~30 (MHz)	40 (MHz)	50 (MHz)	60~80 (MHz)	1 (KHz)	30 (MHz)	60 (MHz)	100 (MHz)	1~60 (MHz)	60~200 (MHz)	VRMS Min.
MOX-LAN-QP4B-1240	-1.0	-18	-14.4	-13.1	-12	-65	-50	-40	-35	-40	-35	1500
MOX-LAN-QP4B-1264	-1.0	-18	-14.4	-13.1	-12	-55	-45	-40	-33	-37	-25	1500
MOX-LAN-QP4B-1234	-1.4	-18	-14.4	-13.1	-12	-55	-45	-40	-33	-37	-25	1500
MOX-LAN-QP4B-1241	-1.0	-16.5	-16	-15.5	-12	-60	-43	-38	-33	-43	-27	1500

\*DIFFERENTIAL TO COMMON MODE REJECTION (dB Typical)

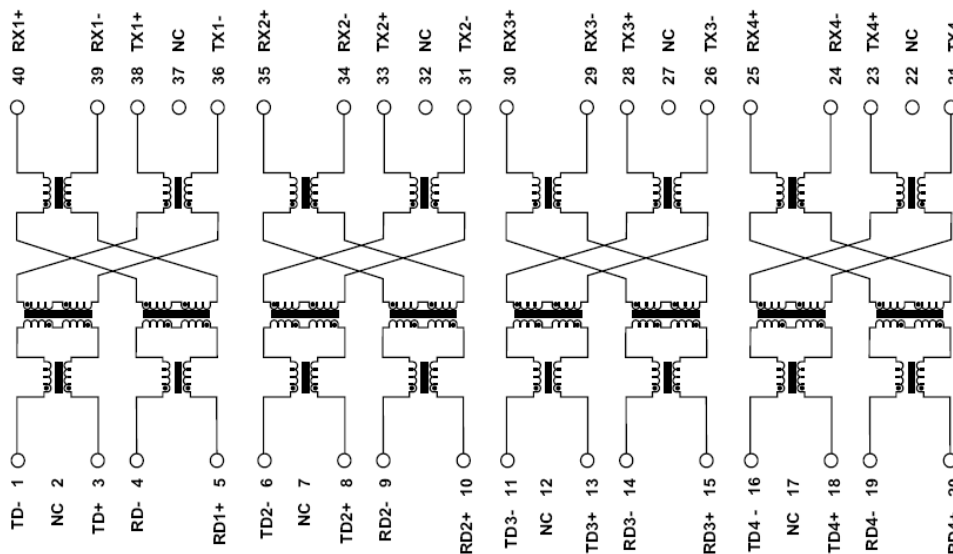
### MoxiE Notes:

- Operating temperature -40°C to +85°C.
- MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4
- Meets RoHS-6 peak reflow rating of 245°C.
- RoHS-6 Compliant: MoxiE Product does not contain 5 out of the 6 banned substances specified in the RoHS directive.
- Some internal connections may contain lead in high-temperature solder (solder alloys containing more than 85% lead).
- Packaging: Tube
- MoxiE Inductor Corporation specifications are subject to change without notice.
- MoxiE Inductor Corporation LAN-QP4B transformers are UL certified.



## SCHEMATICS

### MOX-LAN-QP4B-1240 & MOX-LAN-QP-1241



### MOX-LAN-QP-1234 & MOX-QP-1264

