

T1/E1/CEPT/ISDN-Pri Quad Transformers

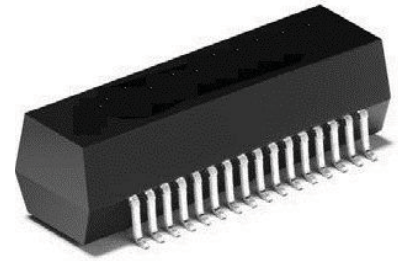
Link-PP Int'l Technology

※ Quad transformers in a surface mount package supports two T1/E1 ports

※ Isolation voltage: 1500 Vrms

※ For RoHS part add suffix NL

※ RoHS "NL" peak solder rating 235°C

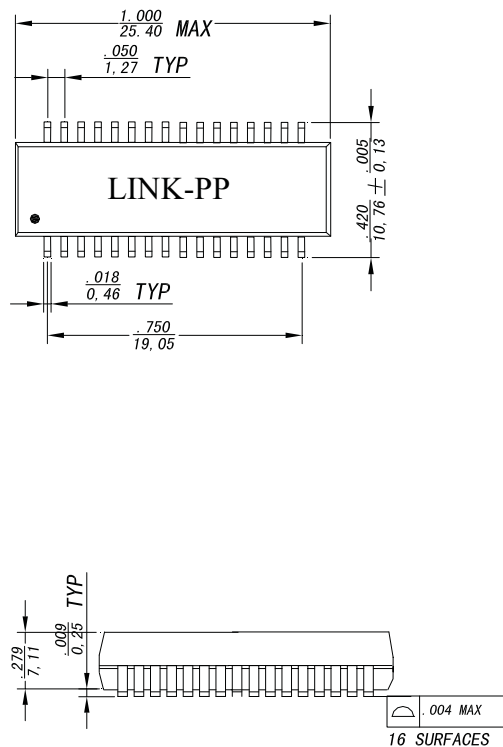


Electrical Specifications @ 25°C --- Operating Temperature 0°C to 70°C

Part Number	Turns Ratio (Pri: Sec±2%)	OCL@ 25°C (mH MIN)	L _L (μH MAX)	C _{ww} (pF MAX)	DCR Pri (MAX)	DCR Sec (MAX)	Package/ Schematic	Primary Pins
LPB81001	1:1.36/1	1.2	0.40	30	0.7	1.0	YB/1	1-3,5-7,10-12,14-16
LPB81005	1:1.58/1.266	1.2	0.50	24	0.6	0.8	YB/1	1-3,5-7,10-12,14-16
LPB81006	1:2CT	1.2	0.35	30	0.6	1.0	YB/1	1-3,5-7,10-12,14-16
LPB81007	1:1.15CT	1.2	0.70	23	0.6	0.8	YB/1	1-3,5-7,10-12,14-16
LPB81008	1:1.36and 1:2	1.2	0.80	35	0.6	1.0	YB/2	1-3,10-12,19-17,28-26
LPB81009	1:1.265/1	1.2	0.80	35	0.6	0.8	YB/1	1-3,5-7,10-12,14-16
LPB81010	1:1.36CT	1.2	0.50	30	0.6	0.8	YB/1	1-3,5-7,10-12,14-16
LPB81016	1:2/1.15	1.2	0.40	30	0.6	1.0	YB/1	1-3,5-7,10-12,14-16
LPB81017	1:2.3/2	1.2	0.80	35	0.6	1.1	YB/3	1-3,28-26,10-12,19-17

Mechanical

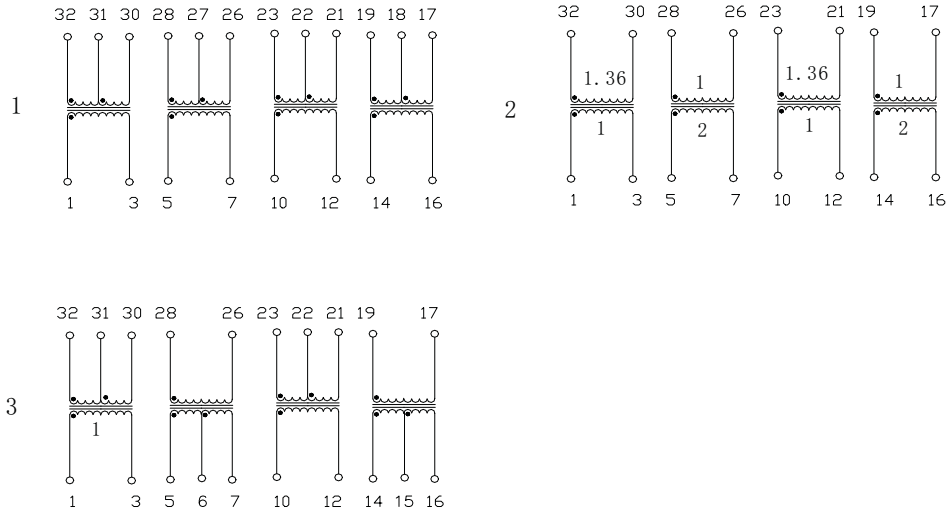
YB



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Schematics



Transformer Selection Guide

IC Manufacturer	IC Part Number	Application	T/R	Trxcom Part No.	Ratio	Pins
LEVEL ONE	LXT332	T1	Transmit	LPB81017	1:2.3	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
			Receive	LPB81006	1:2CT	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
		E1/CEPT	Transmit	LPB81006	1:2	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
			Receive	LPB81006	1:2CT	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
VLSI	VP14Q575	T1	Transmit	LPB81007	1:1.15	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
			Receive	LPB81006	1:2CT	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
		75 Ω/E1	Transmit	LPB81005	1:1.266	(1-3): (32-31), (5-7): (28-27), (10-12): (23-22), (14-16): (19-18)
		120 Ω/CEPT	Transmit	LPB81005	1:1.58	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
		E1/CEPT	Receive	LPB81006	1:2CT	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
AT&T/LUCENT	T7690(5V)	T1	Transmit	LPB81007	1:1.15	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
			Receive	LPB81007	1:1.15CT	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
		E1/CEPT	Transmit	LPB81010	1:1.36	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
			Receive	LPB81010	1:1.36CT	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
PMC-SIERRA	PM4313QDSX	T1	Transmit	LPB81008	1:1.36	(1-3): (32-30), (10-12): (23-21)
			Receive	LPB81008	1:2	(28-26): (5-7), (19-17): (14-16)
		E1/CEPT	Transmit	LPB81008	1:1.36	(1-3): (32-30), (10-12): (23-21)
			Receive	LPB81008	1:2	(28-26): (5-7), (19-17): (14-16)
EXAR	XR-5793/5795	T1	Transmit	LPB81009	1:1.265	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
			Receive	LPB81009	1:1	(1-3): (32-31), (5-7): (28-27), (10-12): (23-22), (14-16): (19-18)
		75 Ω/E1	Transmit	LPB81009	1:1	(1-3): (32-31), (5-7): (28-27), (10-12): (23-22), (14-16): (19-18)
		120 Ω/CEPT	Transmit	LPB81009	1:1.265	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
		E1/CEPT	Receive	LPB81009	1:1	(1-3): (32-31), (5-7): (28-27), (10-12): (23-22), (14-16): (19-18)
CRYSTAL	CS61582/3/4(5V)	T1	Transmit	LPB81016	1:2	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
			Receive	LPB81016	1:1.15	(1-3): (32-31), (5-7): (28-27), (10-12): (23-22), (14-16): (19-18)
		E1/CEPT	Transmit	LPB81016	1:2	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)
			Receive	LPB81016	1:1.15	(1-3): (32-31), (5-7): (28-27), (10-12): (23-22), (14-16): (19-18)
	CS61584(3V)	T1/E1/CEPT	Trans/Rec	LPB81016	1:2	(1-3): (32-30), (5-7): (28-26), (10-12): (23-21), (14-16): (19-17)