

64 KBPS Interface Transformers

Link-PP Int'l Technology

- ※ Single and dual transformer modules for ITU G.703 codirectional applications
- ※ Provide 1500 Vrms minimum isolation
- ※ For RoHS part add suffix NL
- ※ RoHS NL peak solder rating 235°C

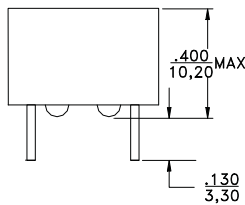
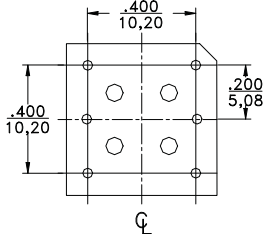
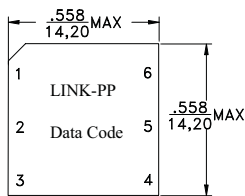


Electrical Specifications @ 25°C --- Operating Temperature 0°C to 70°C								
Part Number	Turns Ratio (±3%)	OCL (mH MIN)	L _L (μH MAX)	C _{WV} (pF MAX)	DCR Pri (Ω MAX)	DCR sec (Ω MAX)	Package/ Schematic	Matched To
LPS85535	1:2CT	20.0	5.0	130	2.65	5.0	A	EXAR XR6164 XR-T6165, XR-T6166
LPS85540	1CT:1	10.0	5.0	100	2.60	2.6	B	--
LPS87015	1:2CT&1:2CT	20.0	5.0	130	2.80	5.6	C	--

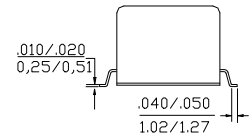
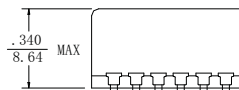
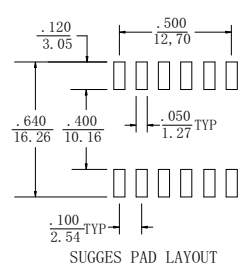
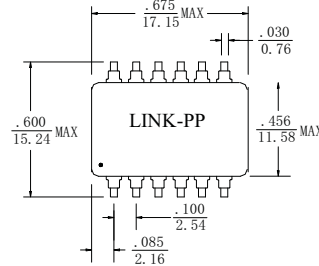
Mechanicals

LPS85535 LPS85540

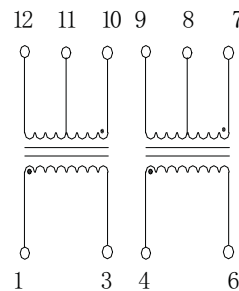
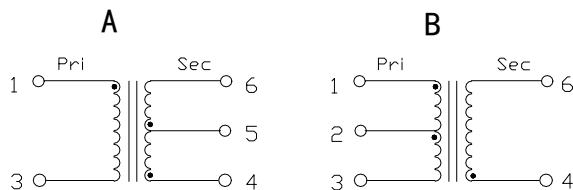
LPS87015



Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$



Schematics



Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$

The CCITT recommendations G.703 describe the physical and electrical characteristics of digital interfaces at 64 Kbps. LPS85535 listed above has been designed for the codirectional interface and matches the driver/receiver chips from EXAR

(XR6146, XR-T6165, and XR-T6166). The characteristics of these transformers allow the pulse to comply with the pulse masks in the 120 Ω systems.