

PoE+ and Magnetics in Jack

IEEE802.3at – San Francisco – July 2007

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Relative Costs PoE / PoE+

- Physics
 - Increased offset current increases magnetic volume, by the square
 - Decreasing inductance reduces core size, linearly
- This effects only the power carrying magnetics, 2 of the 4 channels in Gigabit
- Larger magnetics require either tooling a larger package, or re-tooling in an existing package size.

Short Term / Long Term

- Short Term
 - NRE Recovery
 - Tooling
 - Low volume purchases
 - Non-optimized
- Long Term
 - Increased material – not significant
 - Market size