



Errata

Changes to Component Recommendations for the Power Line Design Support Kit, Revision 2.0 – Design Model Numbers 10750-20-271, 17050-20-272, 17060-20-272

25 May 2005

Affected product

Power Line Design Support Kit (PL DSK) Revision 2.0. This errata pertains to reference designs in model numbers: 17050-20-271, 17050-20-272, and 17060-20-272.

Problem description

The vendor list for transistors Q2 and Q3 in Echelon's reference circuits is incorrect. ON Semiconductor is the approved source for transistors Q2 and Q3.

Transistors from Infineon and Philips were erroneously included as acceptable alternatives. These parts do not meet Echelon's performance requirements.

Solution

The following table shows the correct Q2 and Q3 transistors and should be used for circuit design purposes.

Q2	Dual NPN/PNP	Dual NPN/PNP	OnSemi BC847BPDW1T1 ⁽¹⁾
Q3	Dual NPN	Dual NPN	OnSemi BC847BDW1T1 ⁽¹⁾

(1) Only use a listed part for these locations. Do NOT substitute any other part.

Sanyo has notified Echelon that it has discontinued certain versions of its 2SD1642T-TD NPN and 2SB1124T-TD PNP transistors. Echelon's reference designs use variations of these transistors containing the suffix SSC for reference designators Q4 and Q5 (see table below). Sanyo *will continue to manufacture* the SSC versions of the transistors even though these parts may no longer appear on Sanyo's Web site.

Q4	NPN	NPN	Zetex FCX690B ⁽¹⁾ , or Sanyo 2SD1624T-TD-SSC ⁽¹⁾
Q3	Dual NPN	Dual NPN	Zetex FCX790A ⁽¹⁾ , or Sanyo 2SB1124T-TD-SSC ⁽¹⁾

(1) Only use a listed part for these locations. Do NOT substitute any other part.

Please direct any inquiries about Sanyo's SSC transistors to:

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Problem resolution

The reference designs in the Power Line Support Kit (PL DSK) will be modified to include the above corrections.

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