Product Change Notification
PCN-050_2022_1-OMTB2209201
Alternative transistors
LA305, LT08-S6, LTC1000, LTC2&400 and LTC500 series + LF 1005-S/SP22 and LT 1005-S/SP22 models
UPDATE with first date code (see in red)

Beijing, 16th October 2023

Based on the JEDEC Standard JESD46 standard (latest release)

Not for publication unless permission is granted by LEM

Dear customer,

To answer to continuous market requirement for improved performances, and in a permanent effort to improve the quality of its products, LEM intends to proceed to some modification on **LA305, LT08-S6, LTC1000, LTC2&400 and LTC500 series + LF 1005-S/SP22 and LT 1005-S/SP22 models.**

Concerned products:

LA 305-S; LA 305-S/SP1; LA 305-S/SP15; LA 305-S/SP16; LA 305-S/SP17; LA 305-S/SP19;
LA 305-S/SP4; LA 305-S/SP5; LA 305-S/SP6; LA 305-S/SP8; LA 305-S/SP9;

LF 1005-S/SP22;
LT 1005-S/SP22;

LT 308-S6; LT 508-S6;

LTC 1000-S; LTC 1000-S/SP1; LTC 1000-S/SP15; LTC 1000-S/SP2; LTC 1000-S/SP25;
LTC 1000-S/SP26; LTC 1000-S/SP28; LTC 1000-S/SP29;
LTC 1000-S/SP5;

LTC 1000-SC/SP27; LTC 1000-SC/SP6;

LTC 1000-SF; LTC 1000-SF/SP10; LTC 1000-SF/SP13;

LTC 1000-SF/SP14; LTC 1000-SF/SP15; LTC 1000-SF/SP19;

LTC 1000-SF/SP23; LTC 1000-SF/SP24; LTC 1000-SF/SP26; LTC 1000-SF/SP29;

LTC 1000-SF/SP3; LTC 1000-SF/SP31; LTC 1000-SF/SP33; LTC 1000-SF/SP34;

LTC 1000-SF/SP4; LTC 1000-SF/SP8;

LTC 1000-SFC/SP1; LTC 1000-SFC/SP2;

LTC 1000-T; LTC 1000-T/SP22;

LTC 1000-TF; LTC 1000-TF/SP14;

LTC 200-S; LTC 200-S/SP1;

LTC 200-SF/SP2;

LTC 350-S; LTC 350-S/SP5;

LTC 350-SF; LTC 350-SF/SP5;

LTC 350-SFC/SP1;

LTC 350-T;

LTC 350-TF;

LTC 400-S;

LTC 400-SF;

LTC 500-S; LTC 500-S/SP3; LTC 500-S/SP5; LTC 500-S/SP6;

LTC 500-SF; LTC 500-SF/SP6; LTC 500-SF/SP7;

LTC 500-SFC/SP2;

LTC 500-T;

LTC 500-TF;

LTC 600-S; LTC 600-S/SP1; LTC 600-S/SP15; LTC 600-S/SP17; LTC 600-S/SP2; LTC 600-S/SP5;

LTC 600-SF; LTC 600-SF/SP20; LTC 600-SF/SP5; LTC 600-SF/SP6;

LTC 600-SFC/SP1; LTC 600-SFC/SP14;

LTC 600-T; LTC 600-T/SP10; LTC 600-T/SP12; LTC 600-T/SP16;

LTC 600-TF; LTC 600-TF/SP18; LTC 600-TF/SP19; LTC 600-TF/SP21;

we confirm you that LEM is now producing **LTC 1000-S model** according to the change explained here after and **from the date code 723278.**

Explanation on the date code:

- "7" means the production center, here LEM Electronics (China) Co., Ltd.
- "23" means the year of the production, here the year 2023
- "278" means the day of the production, here the 278th day of the year 2023 (05th October 2023)

Change:

- ***Description of the technical change:***

  New second sources transistors.

  Current transistors:
  ON-Semi & Fairchild & ST Microelectronics: BD243CG: Transistor GP BJT NPN 100V 6A 65000mW 3-Pin(3+Tab) TO-220AB
  ON-Semi & Fairchild: BD244CG: Transistor GP BJT PNP 100V 6A 65000mW 3-Pin(3+Tab) TO-220AB

  New second sources transistors:
  Micro Commercial Components: TIP41C-BP: Transistor GP BJT NPN 100V 6A 2000mW 3-Pin(3+Tab) TO-220
  Micro Commercial Components: TIP42C-BP: Transistor GP BJT PNP 100V 6A 2000mW 3-Pin(3+Tab) TO-220

  Data sheets of the current and second sources transistors are enclosed in annex files.
  Comparisons between current and second sources transistors are enclosed in annex files.

➢ ***Reason of the technical change:***

Securing the supplying with second sources. Delivery shortage risk.

Impact on the product:

- ☐ On the form: NO
- ☐ On the fit: NO
- ☐ On the function: NO
- ☐ On the reliability: NO
- ☐ On the data sheet: NO
- ☐ On the process: NO
- ☐ On the quality: NO
- ☐ On the functional safety characteristics: NO

Schedule of the modification:

Start of delivery of modified product	**LTC 1000-S: from date code 723278 (05th October 2023)**

Sincerely yours,

Stéphane ROLLIER
Product Manager