



Product Change Notification / LIAL-27ZUED435

Date:

03-Aug-2020

Product Category:

8-bit Microcontrollers, Capacitive Touch Sensors, Simple and Complex Programmable Logic

PCN Type:

Manufacturing Change

Notification Subject:

CCB 3296.001 Final Notice: Qualification of MTAI as an additional assembly site for selected Atmel products available in 44L TQFP 10x10x1mm package

Affected CPNs:

[LIAL-27ZUED435_Affected_CPN_08032020.pdf](#)
[LIAL-27ZUED435_Affected_CPN_08032020.csv](#)

Notification Text:

PCN Status: Final Notice

PCN Type: Manufacturing Change

Microchip Parts Affected: Please open one of the icons found in the Affected CPNs section above.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change: Qualification of MTAI as an additional assembly site for selected Atmel products available in 44L TQFP 10x10x1mm package.

Pre Change:

Assembled at ASE using palladium coated copper with gold flash (CuPdAu) or palladium coated copper (PdCu) or Gold (Au) bond wire, CRM-1076WA or CRM-2288A die attach, G631 or G700 mold compound and C7025 lead frame material or Assembled at LPI using palladium coated copper with gold flash (CuPdAu) or Gold (Au) bond wire, CRM-1033BF die attach , G700 mold compound material and C7025 lead frame material

Post Change:

Assembled at ASE using palladium coated copper with gold flash (CuPdAu) or palladium coated copper (PdCu) or Gold (Au) bond wire, CRM-1076WA or CRM-2288A die attach, G631 or G700 mold compound and C7025 lead frame material or Assembled at LPI using palladium coated copper with gold flash (CuPdAu) or Gold (Au) bond wire, CRM-1033BF die attach , G700 mold compound and C7025 lead frame material or Assembled at MTAI using Gold (Au) bond wire, 3280 die attach, G700 mold compound and C7025 lead frame material

Pre and Post Change Summary:

| | Pre Change | | | | | Post Change | | | | | |
|----------------------------|---------------|------|-----------|--|----|---------------|------|-----------|--|----|---|
| Assembly Site | ASE Inc (ASE) | | | Lingsen Precision Industries, LTD. (LPI) | | ASE Inc (ASE) | | | Lingsen Precision Industries, LTD. (LPI) | | Microchip Technology Thailand (HQ) (MTAI) |
| Wire material | CuPdAu | PdCu | Au | CuPdAu | Au | CuPdAu | PdCu | Au | CuPdAu | Au | Au |
| Die attach material | CRM-1076WA | | CRM-2288A | CRM-1033BF | | CRM-1076WA | | CRM-2288A | CRM-1033BF | | 3280 |
| Molding compound material | G631 | | G700 | G700 | | G631 | | G700 | G700 | | G700 |
| Lead frame material | C7025 | | | | | C7025 | | | | | C7025 |
| Moisture Sensitivity Level | MSL -3 | | | | | MSL -3 | | | | | MSL-1 |

Impacts to Data Sheet:

None

Change Impact:None

Reason for Change:To improve on time delivery performance by qualifying MTAI as an additional assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:

August 24, 2020 (date code: 2035)

NOTE: Please be advised that after the estimated first ship date customers may receive pre and post change parts

Time Table Summary:

| | August 2020 | | | | |
|--------------------------|-------------|----|----|----|----|
| Workweek | 32 | 33 | 34 | 35 | 36 |
| Qual Report Availability | X | | | | |
| Final PCN Issue | X | | | | |

| | | | | | |
|-------------------------------|--|--|--|---|--|
| Date | | | | | |
| Estimated Implementation Date | | | | X | |

Method to Identify Change: Traceability code

Qualification Report: Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History: August 3, 2020: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on August 24, 2020

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachments:

[PCN_LIAL-27ZUED435 Qual Report.pdf](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

ATF1500AL-20AU
ATF1500A-10AU
ATF1502AS-7AX44
ATF1502ASL-25AU44
ATF1502AS-10AU44
ATF1502AS-7AX44-T
ATF1502AS-10AU44-T
ATF1504AS-7AX44
ATF1504ASL-25AU44
ATF1504AS-10AU44
ATF1504AS-10AU44-T
ATF1504ASL-25AU44-T
ATF1502ASV-15AU44
ATF1502ASV-15AU44-153
ATF1502ASV-15AU44-T
ATF1504ASVL-20AU44
ATF1504ASV-15AU44
AT89C51RC-24AU
AT89C55WD-24AU
AT89C55WD-24AUR
AT89S8253-24AU
QT6C21-ASG-V3
QT60326-ASG
QT6C13-ASG
QT6C16-ASG
QT6E22-ASG
ATMEGA16-16AUA6
ATMEGA16L-8AUA6
ATMEGA16L-8AQ
ATMEGA16L-8AQRA5
ATMEGA16-16AQR
ATMEGA16L-8AQR
QT6C12B-ASG
ATMEGA16L-8AURA0
ATMEGA16L-8AURA5
ATMEGA16-16AURA5
AT89LP52-20AU
AT89LP51-20AU
AT89LP51ED2-20AU
AT89LP51ID2-20AU
AT89LP51RD2-20AU
AT89LP51RB2-20AU
AT89LP51RC2-20AU
ATXMEGA16D4-AU
ATXMEGA32D4-AUA5
ATXMEGA16D4-AUA1
ATXMEGA16A4-AU

ATXMEGA32D4-AUA0
ATXMEGA32A4-AU
ATXMEGA32D4-AUR387
ATXMEGA16A4-AUR
ATXMEGA32A4-AUR
ATXMEGA128D4-AU
ATXMEGA128A4U-AU
ATXMEGA64D4-AU
ATXMEGA128A4U-AUR
ATXMEGA128D4-AUR
ATXMEGA128D4-AURA0
ATXMEGA64D4-AURA0
ATXMEGA64D4-AUR
ATXMEGA16A4U-AU
ATXMEGA32A4U-AU
ATXMEGA32D4-AUA1
ATXMEGA16D4-AUA0
ATXMEGA16A4U-AN
ATXMEGA32A4U-AN
ATXMEGA16A4U-ANR
ATXMEGA32A4U-ANR
ATXMEGA16A4U-AUR
ATXMEGA32A4U-AUR
ATXMEGA32D4-AURA1
ATXMEGA64A4U-AU
ATXMEGA64A4U-AUR
AT89LP6440-20AU
AT89LP3240-20AU
ATXMEGA32D4-AUA4
ATXMEGA16D4-AUA2
ATXMEGA16C4-AU
ATXMEGA32C4-AU
ATXMEGA32D4-AU
ATXMEGA32D4-AN
ATXMEGA32D4-ANR
ATXMEGA16D4-AURA2
ATXMEGA32D4-AURA4
ATXMEGA16C4-AUR
ATXMEGA32C4-AUR
ATXMEGA16D4-AUR
ATXMEGA32D4-AUR
AT89S51-24AU
AT89LS51-16AU
AT89S52-24AUA0
AT89S52-24AU
AT89LS52-16AU
AT89S52-24AUA1
AT89S52-24AU-HCM
AT89S52-24AUR
AT89LS52-16AUR