



Title of Change:	TO-92 Package outline drawing update
Effective date:	18 Apr 2021
Contact information:	Contact your local ON Semiconductor Sales Office or Yuna.Im@onsemi.com
Type of notification:	This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.
Change Category:	Assembly Change
Change Sub-Category(s):	Datasheet/Product Doc change

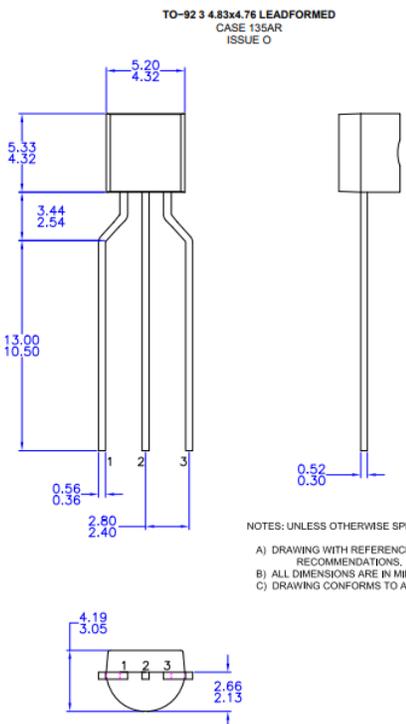
Sites Affected:

ON Semiconductor Sites	External Foundry/Subcon Sites
None	ASESH, China
	Nantong Huada Microelectronics, China

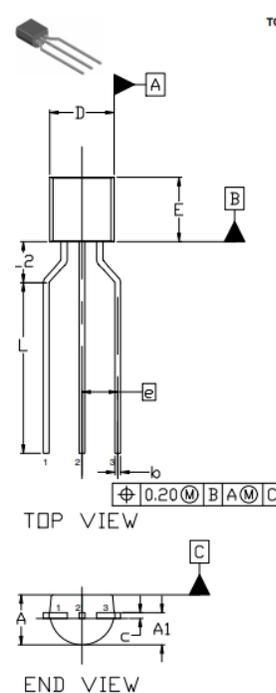
Description and Purpose:

This notification is to inform the Package Outline Drawing (POD) change of TO-92 package dimension A1 max from 2.66 to 2.88. The critical dimension A is not changed and this is to support both Assembly site for capacity improvement.

Symbol (refer ON's drawing)	ONSEMI Case# 135AR		ONSEMI Case# 135AV	
	MIN (mm)	MAX (mm)	MIN (mm)	MAX (mm)
A	3.05	4.19	3.05	4.19
A1	2.13	2.66	2.13	2.88

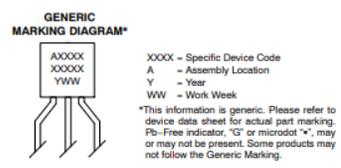


NOTES: UNLESS OTHERWISE SPECIFIED
 A) DRAWING WITH REFERENCE TO JEDEC TO-92 RECOMMENDATIONS.
 B) ALL DIMENSIONS ARE IN MILLIMETERS.
 C) DRAWING CONFORMS TO ASME Y14.5M-1994



NOTES:
 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2009.
 2. CONTROLLING DIMENSION: MILLIMETERS
 3. DIMENSIONS ARE EXCLUSIVE OF BURRS, MOLD FLASH, GATE REMAINS AND TIE BAR PROTRUSIONS.

MILLIMETERS			
DIM	MIN.	NDM.	MAX.
A	3.05	3.60	4.19
A1	2.13	2.50	2.88
b	0.36	0.46	0.56
c	0.30	0.40	0.52
D	4.32	4.75	5.20
E	4.32	4.80	5.33
e	2.54 BSC		
L	10.50	11.75	13.00
L2	2.54	---	3.44





List of Affected Standard Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

SSN1N45BTA	FQN1N50CTA	FQN1N60CTA-G
FQN1N60CTA		

Japanese translation of the notification starts here.
通知の日本語訳はここから始まります。

Note: The Japanese version is for reference only. In case of any differences between the English and Japanese version, the English version shall control.

注：日本語版は参照用です。英語版と日本語版の違いがある場合は、英語版が優先されます。



変更件名:	TO-92 パッケージアウトライン図面の更新
発効日:	18 Apr 2021
連絡先情報:	現地のオン・セミコンダクター営業所または < Yuna.Im@onsemi.com > にお問い合わせください。
通知種別:	本製品速報は通知目的のみのものです。オン・セミコンダクターは本製品速報の発行により本変更を実行します。
変更カテゴリ:	組立の変更
変更サブカテゴリ:	データシート/製品資料の変更

影響を受ける拠点:

オン・セミコンダクター拠点:

外部製造工場 / 下請業者拠点:

ASESH, China

Nantong Huada Microelectronics, China

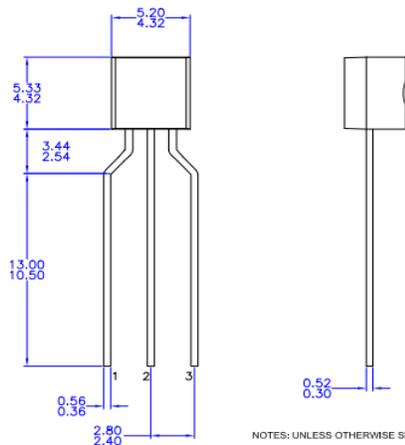
説明および目的:

本通知は、TO-92 パッケージ寸法の A1 最大値を 2.66 から 2.88 へ変更するという、パッケージアウトライン図面 (POD) の変更をお知らせするものです。クリティカル寸法 A には変更はありません、そしてこれは生産能力拡大のために組立 2 拠点をサポートするためのものです。

Symbol (refer ON's drawing)	ONSEMI Case# 135AR		ONSEMI Case# 135AV	
	MIN (mm)	MAX (mm)	MIN (mm)	MAX (mm)
A	3.05	4.19	3.05	4.19
A1	2.13	2.66	2.13	2.88

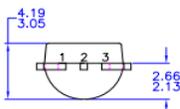
TO-92 3 4.83x4.76 LEADFORMED
CASE 135AR
ISSUE 0

DATE 30 SEP 2016



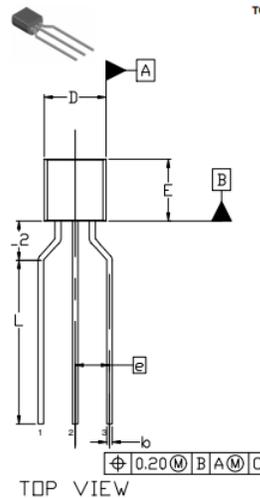
NOTES: UNLESS OTHERWISE SPECIFIED

- A) DRAWING WITH REFERENCE TO JEDEC TO-92 RECOMMENDATIONS.
- B) ALL DIMENSIONS ARE IN MILLIMETERS.
- C) DRAWING CONFORMS TO ASME Y14.5M-1994

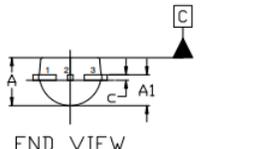


TO-92 3LD 4.75x4.80
CASE 135AV
ISSUE 0

DATE 07 JAN 2021



TOP VIEW



END VIEW

- NOTES:
1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2009.
 2. CONTROLLING DIMENSION: MILLIMETERS
 3. DIMENSIONS ARE EXCLUSIVE OF BURRS, MOLD FLASH, GATE REMAINS AND TIE BAR PROTRUSIONS.

MILLIMETERS			
DIM	MIN.	NOM.	MAX.
A	3.05	3.60	4.19
A1	2.13	2.50	2.88
b	0.36	0.46	0.56
c	0.30	0.40	0.52
D	4.32	4.75	5.20
E	4.32	4.80	5.33
e	2.54 BSC		
L	10.50	11.75	13.00
L2	2.54	---	3.44

GENERIC MARKING DIAGRAM*



XXXX - Specific Device Code
A - Assembly Location
Y - Year
WW - Work Week

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "Q" or microdot "µ", may or may not be present. Some products may not follow the Generic Marking.



製品速報

文書番号: PB23852X

発行日: 18 Apr 2021

影響を受ける部品の一覧:

注: 標準の部品番号(既製品)のみが部品一覧に記載されます。本 PCN に影響を受けるカスタム 部品は、PCN メールのお客様の特定の PCN の付属文書、または PCN カスタマイズポータルに記載されています。

SSN1N45BTA	FQN1N50CTA	FQN1N60CTA-G
FQN1N60CTA		



Appendix A: Changed Products**PCN#: PB23852X**
Issue Date: Apr 18, 2021

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
SSN1N45BTA		SSN1N45BTA		
FQN1N50CTA		FQN1N50CTA		
FQN1N60CTA		FQN1N60CTA		