



## Product Change Notification / NTDO-14VNDA558

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### Date:

23-Aug-2022

### Product Category:

Analog Multiplexer/Switch ICs

### PCN Type:

Manufacturing Change

### Notification Subject:

CCB 4892 Final Notice: Qualification of UAT as a new bumping site for HV2601BD-M936, HV2701BD-M936, HV2705BD-M936 and HV2605BD-M936 catalog part numbers in 42L BMP DICE package.

### Affected CPNs:

[NTDO-14VNDA558\\_Affected\\_CPN\\_08232022.pdf](#)

[NTDO-14VNDA558\\_Affected\\_CPN\\_08232022.csv](#)

### Notification Text:

**PCN Status:**Final Notification

**PCN Type:**Manufacturing Change

**Microchip Parts Affected:**Please open one of the files found in the Affected CPNs section.  
Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

**Description of Change:**Qualification of UAT as a new bumping site for HV2601BD-M936, HV2701BD-M936, HV2705BD-M936 and HV2605BD-M936 catalog part numbers in 42L BMP DICE package.

### Pre and Post Change Summary:

	Pre Change	Post Change
<b>Bumping Location</b>	FlipChip International (FCI)	Unisem Advance Tech (UAT)
<b>Solder Ball Material</b>	SAC 266	SAC 405
<b>Solder Ball Pitch</b>	600 um	600 um
<b>Solder Ball Size</b>	300 um	300 um
<b>Polymer Material</b>	PBO	PBO
<b>Polymer Thickness</b>	4.5um	7um
<b>UBM Deposition Method</b>	Sputtered	Sputtered + Plated
<b>UBM Thickness</b>	Al-NiV-Cu	0.1um sputtered Ti + 0.2um sputtered Cu + 8.6um plated Cu
<b>UBM Opening Diameter</b>	300 um	270 um
<b>RDL Deposition method</b>	Sputtered	0.1um sputtered Ti + 0.2um sputtered Cu + 4um Plated Cu
<b>RDL Thickness</b>	Ti-Al-Ti	0.1um sputtered Ti + 0.2um sputtered Cu + 4um Plated Cu

**Impacts to Data Sheet:**None

**Change Impact:**None

**Reason for Change:**To improve productivity by qualifying UAT as a new bumping site.

**Change Implementation Status:**In Progress

**Estimated First Ship Date:**October 7, 2022 (date code: 2241)

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

**Time Table Summary:**

	February 2022					>	August 2022					>	October 2022				
Workweek	6	7	8	9	10		32	33	34	35	36		41	42	43	44	45
Initial PCN Issue Date			X														
Qual Report Availability										X							
Final PCN Issue Date										X							



Affected Catalog Part Numbers (CPN)

HV2601BD-M936

HV2701BD-M936

HV2705BD-M936

HV2605BD-M936