

PCN Number:	20130912000		PCN Date:	09/26/2013	
Title:	14x14x1.4 LQFP tray change				
Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037	Dept:	Quality Services
Proposed 1st Ship Date:	09/26/2013	Estimated Sample Availability:	09/26/2013		
Change Type:	<input checked="" type="checkbox"/> Packing/Shipping/Labeling				

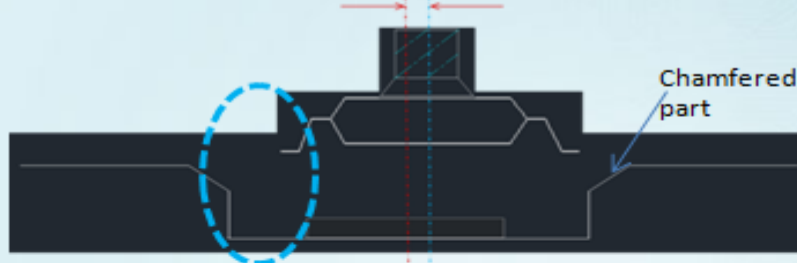
PCN Details

Description of Change:

Qualification of supplier UBOT tray in addition to current Ohkawa and Peak supplier trays. The UBOT trays have slightly different seating height and fence to fence dimensions as shown below:

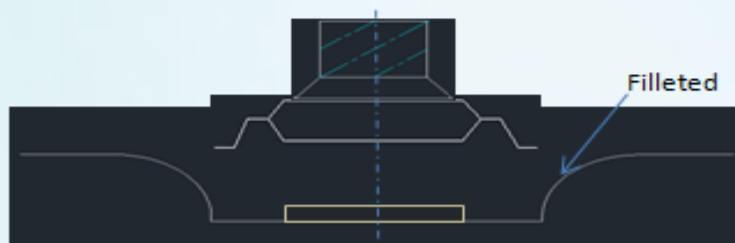
	4078101-001 (Ohkawa)	406825-0002 (Peak)	4221057-0001 (UBOT)
Gram Weight:	150g	150g	158g
Surface Resistivity:	10 exp5 to 11	10 exp5 to 11	10 exp5 to 11
Package Size:	14x14x1.4	14x14x1.4	14x14x1.4
Package Type:	LQFP	LQFP	LQFP
Temperature Rating:	150C	75C	150C
Matrix (Column X Rows):	6x15	6x15	6x15
Raw Material:	PPE	ABS	MPPO
Color	BLACK	BLUE	BLUE

Existing 14x14 QFP Rotating Trays Unit Catch capability



Unit is at center seating position within 0.02" or 20 mils.
Starts to misalign at X or Y Tray Center Position $\pm 0.03"$ to $0.04"$ or 30 mils to 40 mils

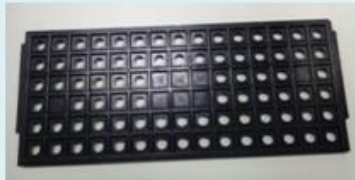
New 14x14 QFP (UBoT)Trays Unit Catch Capability



Unit is at Center Seating position within 0.05" or 50 mils

Items Description	JEDEC Spec.			4078101-0001 (Ohkawa)			4068275-0002 (Peak)			UBOT		
	DIM	Upper Limits	Lower Limits	DIM	Upper Limits	Lower Limits	DIM	Upper Limits	Lower Limits	DIM	Upper Limits	Lower Limits
Overall Length	322.6	322.85	322.35	322.6	322.85	322.35	322.6	322.85	322.35	322.6	322.85	322.35
Layout Length	315.0	315.25	314.75	315.0	315.25	314.75	315.0	315.25	314.75	315.0	315.25	314.75
Layout Width	135.9	136.15	135.65	135.9	136.15	135.65	135.9	136.15	135.65	135.9	136.15	135.65
Layout Length on Top Stack frame	311.15	311.40	311.02	311.15	311.40	311.02	311.15	311.40	311.02	311.15	311.40	311.02
Layout Width on Top Stack frame	132.08	132.33	131.95	132.08	132.33	131.95	132.08	132.33	131.95	132.08	132.33	131.95
Layout Length on Bottom Stack frame	311.66	311.91	311.53	311.66	311.91	311.53	311.66	311.91	311.53	311.66	311.91	311.53
Layout Width on Bottom Stack frame	132.59	132.84	132.46	132.59	132.84	132.46	132.59	132.84	132.46	132.59	132.84	132.46
End Tab Length	92.1	92.35	91.85	92.10	92.35	91.85	92.1	92.35	91.85	92.1	92.35	91.85
Overall Height	7.62	7.75	7.49	7.62	7.75	7.49	7.62	7.75	7.49	7.62	7.75	7.49
Stack Height	1.27	1.40	1.14	1.27	1.40	1.14	1.27	1.40	1.14	1.27	1.40	1.14
Distance of tray singulation from corner of tray	34.3	34.55	34.05	34.3	34.55	34.05	34.3	34.55	34.05	34.3	34.55	34.05
Tray singulation width	25.4	25.65	25.15	25.4	25.65	25.15	25.4	25.65	25.15	25.4	25.65	25.15
Tray Lifting surface height	2.54	2.67	2.41	2.54	2.67	2.41	2.54	2.67	2.41	2.54	2.67	2.41
Pitch M	15.5	15.58	15.32	15.45	15.58	15.32	15.45	15.58	15.32	15.45	15.58	15.32
Pitch M3	21.0	21.13	20.87	21.00	21.13	20.87	21.00	21.13	20.87	21.00	21.13	20.87
Pitch M1	15.4	15.53	15.27	15.40	15.53	15.27	15.40	15.53	15.27	15.40	15.53	15.27
Pitch M2	20.3	20.43	20.17	20.30	20.43	20.17	20.30	20.43	20.17	20.30	20.43	20.17
Live bug fence to fence		N/A		13.84	13.97	13.84	13.89	13.92	13.86	13.85	13.98	13.85
Dead bug fence to fence		N/A		14.60	14.85	14.60	14.13	14.23	14.03	14.60	14.70	14.50
Package seating height (Top)		N/A		1.50	1.57	1.50	1.75	1.8	1.65	1.70	1.62	1.78
Package seating height (Bottom)		N/A		1.27	1.4	1.14	1.15	1.2	1.1	1.07	0.99	1.15

ACTUAL APPEARANCE:



4078101-0001
(Ohkawa)

4068275-0002
(Peak)

UBOT

CURRENT TRAY

PROPOSED TRAY

Reason for Change:			
Business Continuity			
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):			
None			
Changes to product identification resulting from this PCN:			
Not Applicable			
Product Affected:			
AFE0064IPBK	SD2811PBKQ	TM4C123GH6PZI	TMS320F2806PZA
AFE0064IPBKR	SD2811PBKQ/G	TM4C123GH6PZT	TMS320F2806PZQ
C336A047PZQTW	SD2811PBKQDO	TMS320BC51PZ80	TMS320F2806PZS
C336A049PZQTW	SD2811PBKQOP	TMS320BC51PZA57	TMS320F2808LITE
C336A050PZQTW	SDF2811PBKQ	TMS320BC52PZ100	TMS320F2808PZA
CF45101PZ	SE28044PZA	TMS320BC52PZ57	TMS320F2808PZQ
D11644PBK	SE320LF2406APZA	TMS320BC52PZ80	TMS320F2808PZS
D16876PZ-66	SM320BC51PZ80CS	TMS320BC52PZ80G4	TMS320F2809PZA
D16877PZ-66	SM320BC51PZA57CS	TMS320C203PZ	TMS320F2809PZASMA
D36884PZ-66	SM320F206PZ	TMS320C203PZ57	TMS320F2809PZQ
DE017001APZQ	SM320F206PZA	TMS320C203PZ80	TMS320F2809PZS
DE017004APZA	SM320F206PZSU	TMS320C203PZ80G4	TMS320F2810PBKA
DE017005APZQ	SM320F2801PZMEP	TMS320C203PZA	TMS320F2810PBKQ
DE017008APZQ	SM320F2808PZMEP	TMS320C203PZA57	TMS320F2810PBKS
DE111001PBKA	SN74V263-10PZA	TMS320C206PZ80	TMS320F2811PBKA
DEF01000PBKA	SN74V263-15PZA	TMS320C206PZA80	TMS320F2811PBKQ
DHDLF2406APZA	SN74V263-6PZA	TMS320C541PZ1-40	TMS320F2811PBKS
DL17618PZA	SN74V263-7PZA	TMS320F206PZ	TMS320F28PLC85PZT
DM041003APZ	SN74V263PZAEP	TMS320F206PZA	TMS320LBC51PZA57
DM043020BPZA	SN74V273-10PZA	TMS320F28015PZA	TMS320LBC52PZA57
DM047020BPZA	SN74V273-15PZA	TMS320F28015PZQ	TMS320LBC53SPZ80
DM066023BPZA	SN74V273-6PZA	TMS320F28015PZS	TMS320LBC53SPZA57
DM067001APZA	SN74V273-7PZA	TMS320F28016PZA	TMS320LC203PZA
DMF2802PZA-60	SN74V273PZAEP	TMS320F28016PZQ	TMS320LC206PZ80
DMPF2806PZA	SN74V283-10PZA	TMS320F28016PZS	TMS320LC206PZA80
ENICSF2811PBKA	SN74V283-15PZA	TMS320F2801PZA	TMS320LC541BPZ-66
F591606PZ	SN74V283-15PZAG4	TMS320F2801PZA-60	TMS320LC543PZ1-40
F711815APZ	SN74V283-6PZA	TMS320F2801PZQ	TMS320LC543PZ1-50
F712025PZ	SN74V283-7PZA	TMS320F2801PZS	TMS320LF2406APZA
F712033PZG4	SN74V283PZAEP	TMS320F2801PZS-60	TMS320LF2406APZAG4
F721730EPBK	SN74V293-10PZA	TMS320F2802PZA	TMS320LF2406APZS
F721940APZ	SN74V293-15PZA	TMS320F2802PZA-60	TMS320R2811PBKA
GC9001A-PQ	SN74V293-15PZAG4	TMS320F2802PZQ	TMS470AV3388HPZQQ1
HPC3130APBK	SN74V293-6PZA	TMS320F2802PZS	TMS470AV3388IPZQQ1
HPC3130APBKG4	SN74V293-7PZA	TMS320F2802PZS-60	TMS470AVF336HPZQQ1
JUNGLF2406APZA	SN74V293PZAEP	TMS320F2803PZA	TMS470AVF336IPZQ
LF2406APZA-GREE	SPB300AEA0PBK	TMS320F28044PZA	TMS470AVF336IPZQQ1
LX4F232H5QCFIGA3	SSAV3482EPZA	TMS320F28062FPZT	TMS470R1A128PZ-T
LX4F232H5QCFIGB0	SSAV448EPZA	TMS320F28062PZT	TMS470R1A256PZ-T
RAEGL2209PZ	TL16PC564BLVIPZ	TMS320F28062UPZT	TMS470R1A288PZ-T
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S4703388HPZQDL	TL16PC564BPZ	TMS320F28064PZT	TMS470R1F366APZQ

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S470PV348BPZQQ1	TM4C1231E6PZI	TMS320F28066PZT	TSB12C01APZ
S4MF01104SPZQQ1	TM4C1231H6PZI	TMS320F28066UPZT	TSB12C01APZG4
S4MF03107SPZQQ1	TM4C1233D5PZI	TMS320F28067PZT	TSB12LV01APZ
S4MF04201SPZQQ1	TM4C1233E6PZI	TMS320F28068FPZT	TSB12LV01APZG4
S4MF04201SPZSQ1	TM4C1233H6PZI	TMS320F28068MPZT	V62/03639-01XE
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SBF2808PZA	TM4C123BE6PZI	TMS320F28069PZA	V62/06619-01XE
SD2802PZQ-60	TM4C123BH6PZI	TMS320F28069PZT	V62/06619-03XE
SD2810PBKQ	TM4C123GE6PZI	TMS320F28069UPZT	WILOLF2406APZA
SD2810PBKQ/G	TM4C123GE6PZT		

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

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