

Whisker Testing Report

JESD201 Class	2
Family	Surface Mount
Package outline	DO-214AB (SMC)
P/N	S3G-E3
Mfg loc	VGSC
Plating line	PL07
Plating type	Strip plating
Plating solution	Rohm & Haas ST-300T
PB %	<5ppm

Report Date	03/04/15
Finish	Mattin tin
Underlayer	None
Underlayer Spec	N/A
Min thickness (Uinch)	315.00
Actual thickness (Uinch)	543.00
Min thickness (Um)	8.00
Actual thickness (Um)	13.79
Mitigation	Annealing 150°C 1hour
DC	43

SPEC: MAX allowable Tin whisker length 45um

Lot No.	Precondition	TC -55C/85C 10min		
		500C	1000C	1500C
1	Pbfree reflow	7.74	9.62	17.9
2	No reflow	12.8	24.9	25.7
3	Snpb reflow	16.6	20.6	32.1

SPEC: MAX allowable Tin whisker length 40um

Lot No.	Precondition	Temp./Humi. 30C/60%RH			
		1000H	2000H	3000H	4000H
1	Pbfree reflow	0	0	0	0
2	No reflow	0	0	0	0
3	Snpb reflow	0	0	0	0

SPEC: MAX allowable Tin whisker length 40um

Lot No.	Precondition	High Temp./Humi. 55C/85%RH			
		1000H	2000H	3000H	4000H
1	Pbfree reflow	0	28	30.7	30
2	No reflow	0	0	34.3	33.6
3	Snpb reflow	0	21.2	28.3	24.5