

1590 Buckeye Drive
Milpitas, CA 95035-7418

May 24, 2017

Subject: GHT as New Plating Subcontractor for SFA Semicon (Suzhou) Co.,Ltd

Dear Valued Customer:

We would like to inform you that all 20 DIP and 32 SOP packages, which are assembled by SFA Semicon (Suzhou) Co.,Ltd., will have a new Plating Subcontractor and the details are as follows:

Packages	Plating Method		Plating Site	
	From	To	From	To
20 DIP	Pure Tin	Pure Tin	Welnew/HMX	Welnew/HMX/ GHT
32 SOP	Pure Tin	Pure Tin	Welnew/HMX	Welnew/HMX/ GHT

Attached is the qualification and whisker monitor data. SFA Semicon (Suzhou) Co.,Ltd will implement the above change starting in July 2017. Samples are available upon request.

Should you have questions regarding this matter or need additional assistance, please contact S3CS@zilog.com

Thank you for your continued interest in IXYS products and services.

Sincerely,

Sonia Daley
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Director of Quality and Reliability
Zilog- an IXYS company

TEST RESULTS

A: Assembly

TEST	SPEC	32 SOP	20 DIP
		REJ/SS	REJ/SS
Marking Quality after Plating	No anomaly	-	0/240
Visual after Plating	No anomaly	0/200	0/240
Visual after Trim	No anomaly	0/200	0/240
Plating Thickness	Thickness: 5.08 um - 25.4 um	10.61 um - 14.13 um	12.09 um - 14.75 um
	Sn Composition: 99% - 100%	99.58% - 99.76%	99.51% - 99.67%
CSAM	No delamination	0/30	0/48
Solderability	No anomaly	0/11	0/11
Remark	Pass/Fail	Pass	Pass

B: Whisker Monitor

TEST	CONDITION	DURATION	PACKAGE			SPEC	REMARK
			8L SOP	PLCC	DIP		
Ambient Storage	25°C, 60%RH	720 hours	No whisker	No whisker	No whisker	40 um max	Pass
		2160 hours	No whisker	No whisker	No whisker	40 um max	Pass
High Temperature Humidity	60°C, 90%RH	720 hours	13 um	No whisker	No whisker	40 um max	Pass
		2160 hours	12 um	16 um	No whisker	40 um max	Pass
Temperature Cycling	-55°C ~ 85°C	500 cycles	23 um	18 um	No whisker	40 um max	Pass
		1000 cycles	24 um	22 um	No whisker	45 um max	Pass
		1500 cycles	24 um	23 um	No whisker	45 um max	Pass