

Delton Electronics Inc.

OUT-GOING INSP.REPORT

Customer	康 佳
Customer P/N	835002923
Part Number	08KC79018E0A
D/C	0738
Quantity	20 PCS

Check by	Rui rui_Wang	Approved by	Andy_Song
Prepared by	Yufang_Cui	Build Date	2007.09.22

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QA Check-list

No.	Contents	Item	Check	Requirement	Result	Comments
1	VISUAL	1-1. All Item	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	To depend on Visual Requirement	OK	PASS
2	Dimension Measurement	2-1. Outside	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	To depend on customer information	OK	PASS
		2-2. Hole Size	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	To depend on customer information	OK	PASS
		2-3. Slot Width	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	To depend on customer information	OK	PASS
		2-4. Board Thickness	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	To depend on customer information	OK	PASS
		2-5. Au/Ni Thickness	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	To depend on customer information	OK	PASS
		2-6. Dielectric Thickness	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	To depend on customer information	OK	PASS
3	Impedance Measurement	3-1.singer impedance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	To depend on customer information	OK	PASS
		3-2. Differential impedance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A	N/A	N/A
4	Reliability Test	4-1. Thermal Stress	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No excessive voids, crack	OK	PASS
		4-2. Solderability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	>95%	OK	PASS
		4-3. Ionic Contamination Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	$\leq 4.5\mu\text{g NaCl/sq.in}$	1.3ug NaCl/sq.in	PASS

DISPOSITION:

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A. VISUAL(外觀檢驗)													
ITEM	REQUIREMENT		RESULT		AC	RE	ITEM	REQUIREMENT		RESULT		AC	RE
MATERIAL	FR-4		FR-4		√		PEELING TEST	NO PEEL OFF		PASS		√	
BOARD THK	0.03937+/-0.00394"		0.03820~0.04010"		√		DATE CODE	YYWW		0738		√	
LINE WIDTH	0.003940"	MIN	0.00410"	MIN	√		UL MARK	DTI BV-1		DTI BV-1		√	
SPACING	0.003925"	MIN	0.00422"	MIN	√		O/S TEST	100%TEST		PASS		√	
ANNULAR RING	0.002"	MIN	0.002"	MIN	√		WARP&TWIST	≤0.60%		0.13~0.48%		√	
SOLDER MASK	Green		Green		√								
LEGEND	White		White		√								
B. HOLE SIZE: (UNIT -INCH) "*"表示NON-PTH (孔徑)													
NO	REQUIREMENT	TOLERANCE(+)	TOLERANCE(-)	RESULT	AC	RE	NO	REQUIREMENT	TOLERANCE(+)	TOLERANCE(-)	RESULT	AC	RE
1	0.00984	0.003	0.003	0.00984 ~ 0.01000	√		26						
*2	0.01378	0.002	0.002	0.01300 ~ 0.01378	√		27						
*3	0.01969*0.05906	0.002	0.002	0.02000 * 0.06000	√		28						
4	0.01969*0.04331	0.003	0.003	0.02000 * 0.04200	√		29						
5	0.01969*0.07874	0.003	0.003	0.02000 * 0.07900	√		30						
*6	0.02756*0.06693	0.002	0.002	0.02700 * 0.06700	√		31						
*7	0.03543	0.002	0.002	0.03400 ~ 0.03543	√		32						
*8	0.04724	0.002	0.002	0.04600 ~ 0.04724	√		33						
*9	0.15748	0.002	0.002	0.15600 ~ 0.15748	√		34						
10	END!						35						
11							36						
12							37						
13							38						
14							39						
15							40						
16							41						
17							42						
18							43						
19							44						
20							45						
21							46						
22							47						
23							48						
24							49						
25							50						

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C. OUTSIDE DIMENSION:(UNIT - MM)													
NO	REQUIREMENT	TOLERANCE(+)	TOLERANCE(-)	RESULT	AC	RE	NO	REQUIREMENT	TOLERANCE(+)	TOLERANCE(-)	RESULT	AC	RE
1	4.00	0.10	0.10	4.00 ~ 4.03	v		26	119.70	0.10	0.10	119.70 ~ 119.76	v	
2	1.00	0.10	0.10	0.98 ~ 1.00	v		27	END!					
3	2.00	0.10	0.10	2.00 ~ 2.00	v		28						
4	4.90	0.10	0.10	4.88 ~ 4.90	v		29						
5	2.00	0.10	0.10	1.98 ~ 2.00	v		30						
6	4.90	0.10	0.10	4.88 ~ 4.90	v		31						
7	2.00	0.10	0.10	2.00 ~ 2.01	v		32						
8	4.20	0.10	0.10	4.20 ~ 4.22	v		33						
9	4.20	0.10	0.10	4.20 ~ 4.23	v		34						
10	4.20	0.10	0.10	4.20 ~ 4.23	v		35						
11	2.00	0.10	0.10	1.98 ~ 2.00	v		36						
12	4.90	0.10	0.10	4.88 ~ 4.90	v		37						
13	1.00	0.10	0.10	0.98 ~ 1.00	v		38						
14	2.80	0.10	0.10	2.79 ~ 2.80	v		39						
15	10.77	0.10	0.10	10.77 ~ 10.79	v		40						
16	1.00	0.10	0.10	1.00 ~ 1.02	v		41						
17	1.00	0.10	0.10	1.00 ~ 1.05	v		42						
18	2.90	0.10	0.10	2.90 ~ 2.95	v		43						
19	3.00	0.10	0.10	3.00 ~ 3.05	v		44						
20	34.80	0.10	0.10	34.80 ~ 34.85	v		45						
21	39.00	0.10	0.10	39.00 ~ 39.03	v		46						
22	208.00	0.10	0.10	208.00 ~ 208.07	v		47						
23	184.00	0.10	0.10	184.00 ~ 184.06	v		48						
24	174.00	0.10	0.10	174.00 ~ 174.04	v		49						
25	129.70	0.10	0.10	129.70 ~ 129.76	v		50						
D. MICROSECTION:(UNIT-INCH)							E. REMARK						
ITEM	REQUIREMENT		RESULT		AC	RE	1						
Cu	SURFACE Cu \geq 0.0013		0.00140~0.00153"		v		2						
	HOLE Cu \geq 0.0009		0.00100~0.00121"		v		3						
OSP							4						
Ni	98.43 u"	MIN	136.95~167.88 u"		v		5						
Au	1.97 u"	MIN	2.69~4.00 u"		v		6						

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Plated Microsection Inspection Report

廠內料號	Work Time	No.	銅厚(Tenting)				Total Copper (總銅平均值)		Tin(錫)		Rough- ness (粗糙度)	Lamination		
Side(面)			Hole(孔)			(疊合結構)						(疊合規格)	實際量測值	
客戶料號			I	1	2	3	Side	Hole	Side	Hole				
			II	4	5	6								
08KC79018E0A	9/22	1	1.50	1.20	1.08	1.16	1.52	1.12			0.37	RCC 70T12*2 COPPER PP1080 61%&2112 60% COPPER FR-4 COPPER PP2112 60%&1080 61% COPPER RCC 70T12*2	6.46 0.5 oz 6.72 0.5 oz 8.00 0.5 oz 6.72 0.5 oz 6.46	7.846 0.748 6.696 0.755 7.958 0.733 6.806 0.769 7.689
		2	1.53	1.14	1.09	1.05								
		1	1.49	1.16	1.07	1.04	1.52	1.11			0.41			
2		1.55	1.20	1.06	1.11									
835002923		1	1.54	1.21	1.02	1.02	1.55	1.11			0.39			
		2	1.56	1.15	1.20	1.05								

Unit:(mil)

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板彎板翹測試明細表

班別: 日班

NO	料號	檢驗量	規格	板彎板翹機 測試結果	實際值	作業者	大理石平台測 試結果	實際值	異常處理	作業者
		抽檢量								
1	08KC79018E0A	1Strip	≤0.6%	OK	0.15%	申佩佩	OK	0.13%	NA	羅瓊
		1Strip								
2	08KC79018E0A	1Strip	≤0.6%	OK	0.23%	申佩佩	OK	0.23%	NA	羅瓊
		1Strip								
3	08KC79018E0A	1Strip	≤0.6%	OK	0.24%	申佩佩	OK	0.23%	NA	羅瓊
		1Strip								
4	08KC79018E0A	1Strip	≤0.6%	OK	0.22%	申佩佩	OK	0.21%	NA	羅瓊
		1Strip								
5	08KC79018E0A	1Strip	≤0.6%	OK	0.24%	申佩佩	OK	0.24%	NA	羅瓊
		1Strip								
6	08KC79018E0A	1Strip	≤0.6%	OK	0.27%	申佩佩	OK	0.27%	NA	羅瓊
		1Strip								
7	08KC79018E0A	1Strip	≤0.6%	OK	0.33%	申佩佩	OK	0.39%	NA	羅瓊
		1Strip								
8	08KC79018E0A	1Strip	≤0.6%	OK	0.35%	申佩佩	OK	0.25%	NA	羅瓊
		1Strip								
9	08KC79018E0A	1Strip	≤0.6%	OK	0.25%	申佩佩	OK	0.16%	NA	羅瓊
		1Strip								
10	08KC79018E0A	1Strip	≤0.6%	OK	0.21%	申佩佩	OK	0.32%	NA	羅瓊
		1Strip								
11	08KC79018E0A	1Strip	≤0.6%	OK	0.20%	申佩佩	OK	0.34%	NA	羅瓊
		1Strip								
12	08KC79018E0A	1Strip	≤0.6%	OK	0.30%	申佩佩	OK	0.48%	NA	羅瓊
		1Strip								
13	08KC79018E0A	1Strip	≤0.6%	OK	0.35%	申佩佩	OK	0.44%	NA	羅瓊
		1Strip								
14	08KC79018E0A	1Strip	≤0.6%	OK	0.45%	申佩佩	OK	0.34%	NA	羅瓊
		1Strip								
15	08KC79018E0A	1Strip	≤0.6%	OK	0.44%	申佩佩	OK	0.36%	NA	羅瓊
		1Strip								
16	08KC79018E0A	1Strip	≤0.6%	OK	0.42%	申佩佩	OK	0.14%	NA	羅瓊
		1Strip								
17	08KC79018E0A	1Strip	≤0.6%	OK	0.36%	申佩佩	OK	0.21%	NA	羅瓊
		1Strip								
18	08KC79018E0A	1Strip	≤0.6%	OK	0.14%	申佩佩	OK	0.14%	NA	羅瓊
		1Strip								
19	08KC79018E0A	1Strip	≤0.6%	OK	0.10%	申佩佩	OK	0.17%	NA	羅瓊
		1Strip								
20	08KC79018E0A	1Strip	≤0.6%	OK	0.14%	申佩佩	OK	0.26%	NA	羅瓊
		1Strip								

保存年限: 兩年

檢查: Ruirui_Wang

製作: Yufang_Cui

Delton Technology Incorporated

SOLDERABILITY TEST REPORT

TEST CONDITION AND RESULT								
CONDITION			REQUIREMENT		ACTUAL RESULTS			
SOLDER TEMPERATURE			245±5℃		250℃			
DIP TIME			3~5 s		5 s			
RESULT								
DATE	CUSTOMER P/N	DELTON P/N	D/C	TOTAL HOLES	DEWETTING HOLES	RESUL T(ppm)	AC	RE
Sep.22.2007	835002923	08KC79018E0A	0738	2244	0	0	v	
REMARK:1.S/S 焊錫面 100%Wetting. 2.C/S 零件面 100%Wetting.								
Check by	Ruirui_Wang		INSPECTOR			Yufang_Cui		

DISPOSITION: ☒ ACC ☐ REJ ☐ UAI

Delton Technology (GZ) Incorporated
THERMAL STRESS TEST REPORT

CUSTOMER P/N	835002923	DATE CODE	0738	
DELTON P/N	08KC79018E0A	DATE OF TEST	Sep.22.2007	
TEST CONDITION AND RESULTS:				
CONDITION	REQUIREMENT	ACTUAL RESULTS		
SOLDER TEMPERATURE	288±5 °C	293°C		
DIP TIME	10+1/-0 s	11 s		
RESULTS:				
QUANTITY BOARDS TESTED		AC	RE	REMARK
PASS	FAIL			
4	0	V		NO CRACK
REMARK: 1.Holi Wall :No Crack ,No Separation 2. Laminate : No Delamination, No Blistering. 3.Solker Mask: No Peel Off. No Crack.				
Check by	Ruirui_Wang	INSPECTOR	Yufang_Cui	

DISPOSITION:

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阻抗值量測報告

客戶料號: 835002923																	
廠內料號: 08KC79018E0A																	
Date: 2007.09.22																	
No.	位置	規格(Ω)		1	2	3	4	5	6	7	8	9	10	Total			判定
														MAX	MIN	AVG	
1	L1-L3	規格(Ω)	50.00	49.68	52.01	51.54	52.62	52.01	50.55	51.24	49.88	48.59	52.61	52.62	48.59	51.07	PASS
		上限(Ω)	55.00														
		下限(Ω)	45.00														
2	L8-L6	規格(Ω)	50.00	51.22	50.68	51.49	48.59	52.02	50.66	51.24	49.85	49.66	52.60	52.60	48.59	50.80	PASS
		上限(Ω)	55.00														
		下限(Ω)	45.00														
3	L5-L4,6	規格(Ω)	50.00	50.60	51.22	50.68	49.85	48.59	52.05	50.66	50.61	51.59	50.69	52.05	48.59	50.65	PASS
		上限(Ω)	55.00														
		下限(Ω)	45.00														
4																	
5																	
6																	

Delton Electronics Inc.

Customer Drawing &COC

Date:	2007.09.22
D/C:	0738
CUSTOMER:	康 佳
P.O.#:	
PART#:	835002900
QUANTITY:	20 PCS

We hereby certify the materials listed above to be in compliance with the terms and conditions of your purchase order ,including all applicable drawings and specifications. meet or exceed U.L. flame classification 94V--0.

Inspectionrecords and test date necessary to substantiate this certificationare on file.

ch-shieh
