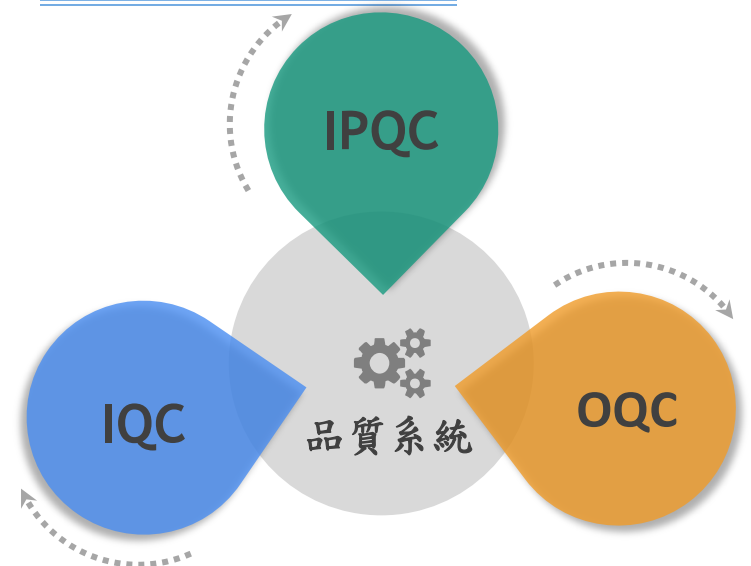


2018

品質系統





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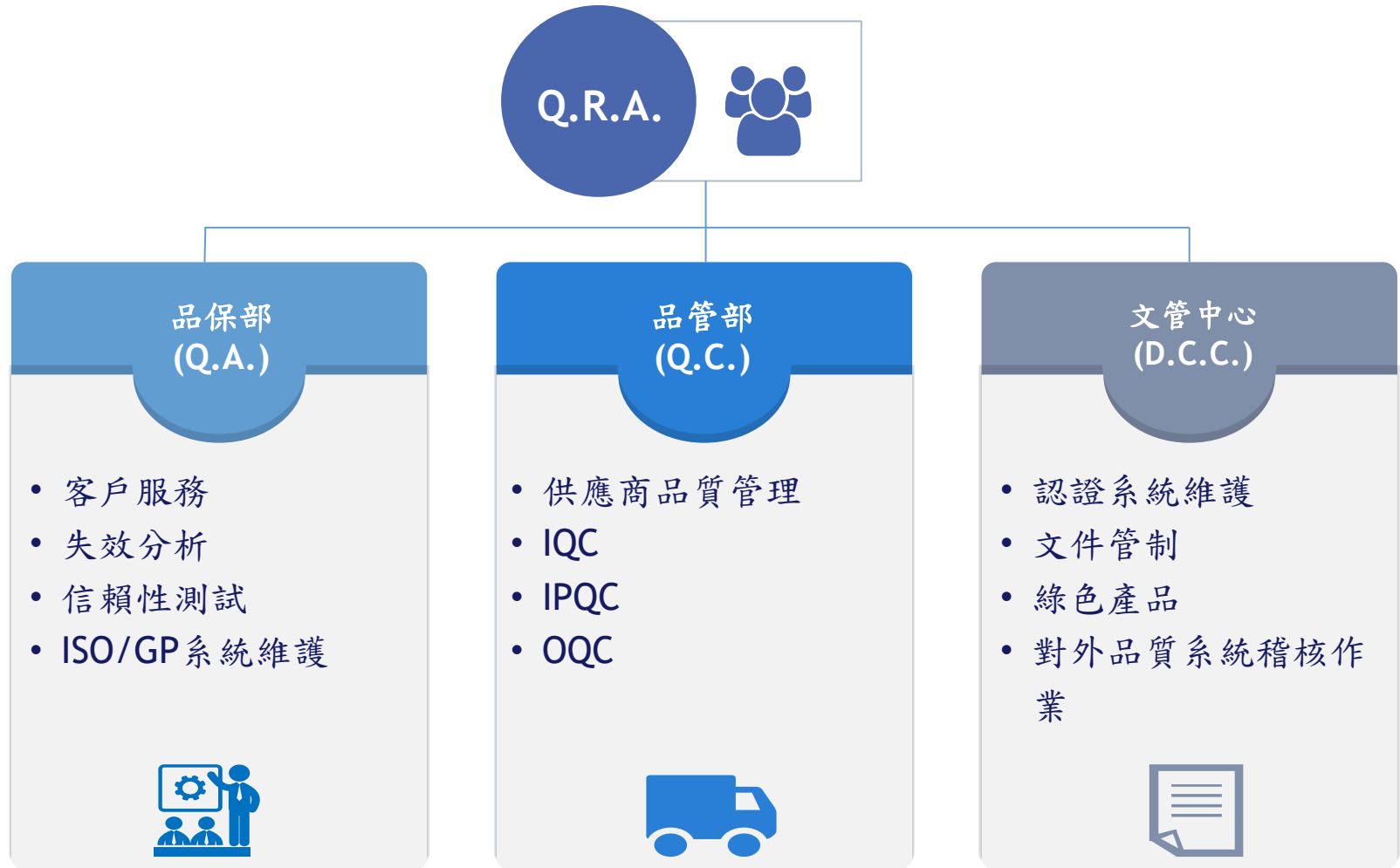


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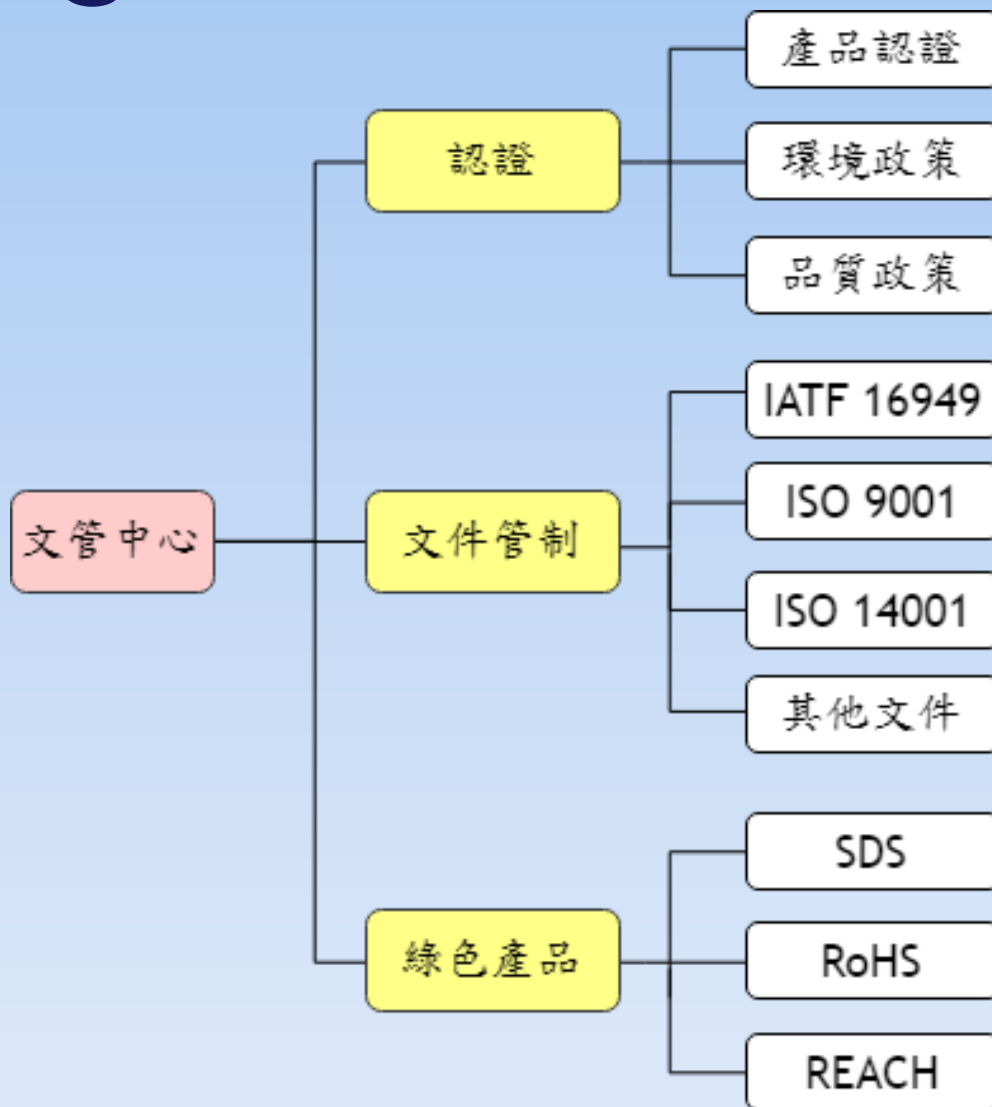
品保介紹

- ✓ QRA部門
- ✓ 文管中心
- ✓ 品質系統證書
- ✓ 品質保證

Q.R.A. 部門 (Quality & Reliability Assurance)



文管中心



品質系統證書

IATF 16949



ISO 9001



ISO 14001



品質保證

- 無鉛製程產品
- 完善的功率測試能力
- 通過 AEC-Q101 認證
- 完善的 Hi-rel 測試設備
- 通過 ISO 7637-2 5A 測試
- 取得 UL-497B 認證 (E333272)
- 符合歐盟 RoHS 禁用物質標準
- 符合 SONY SS-00259 Green Partner
- 通過 ESD 測試標準 (IEC 61000-4-2)
- 符合國際無鹵 (Halogen Free) 規範產品
- 符合歐盟 REACH 高度關切物質 (SVHC) 的標準
- 通過化學物全氟辛酸 (PFOS/PFOA) 管制檢測標準



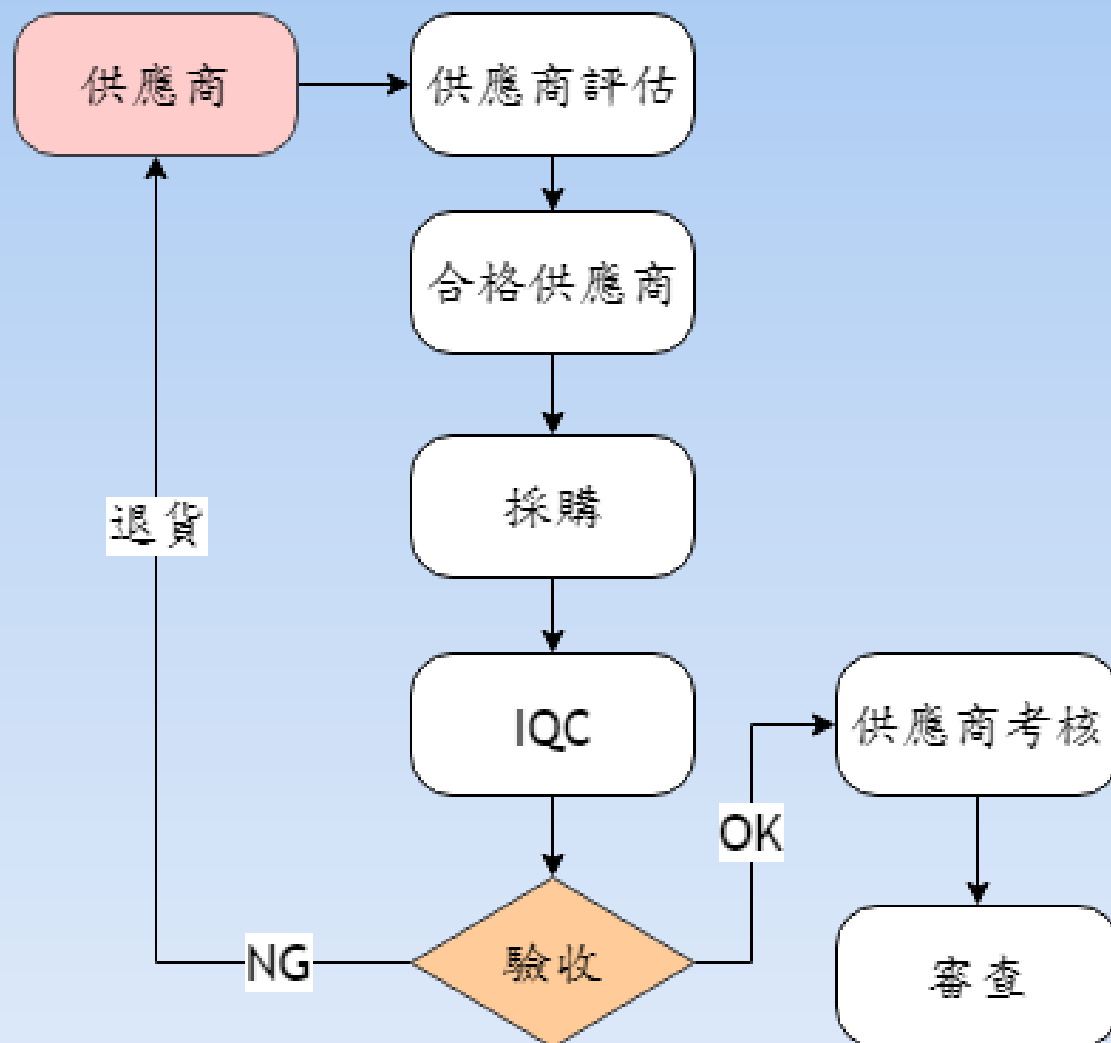
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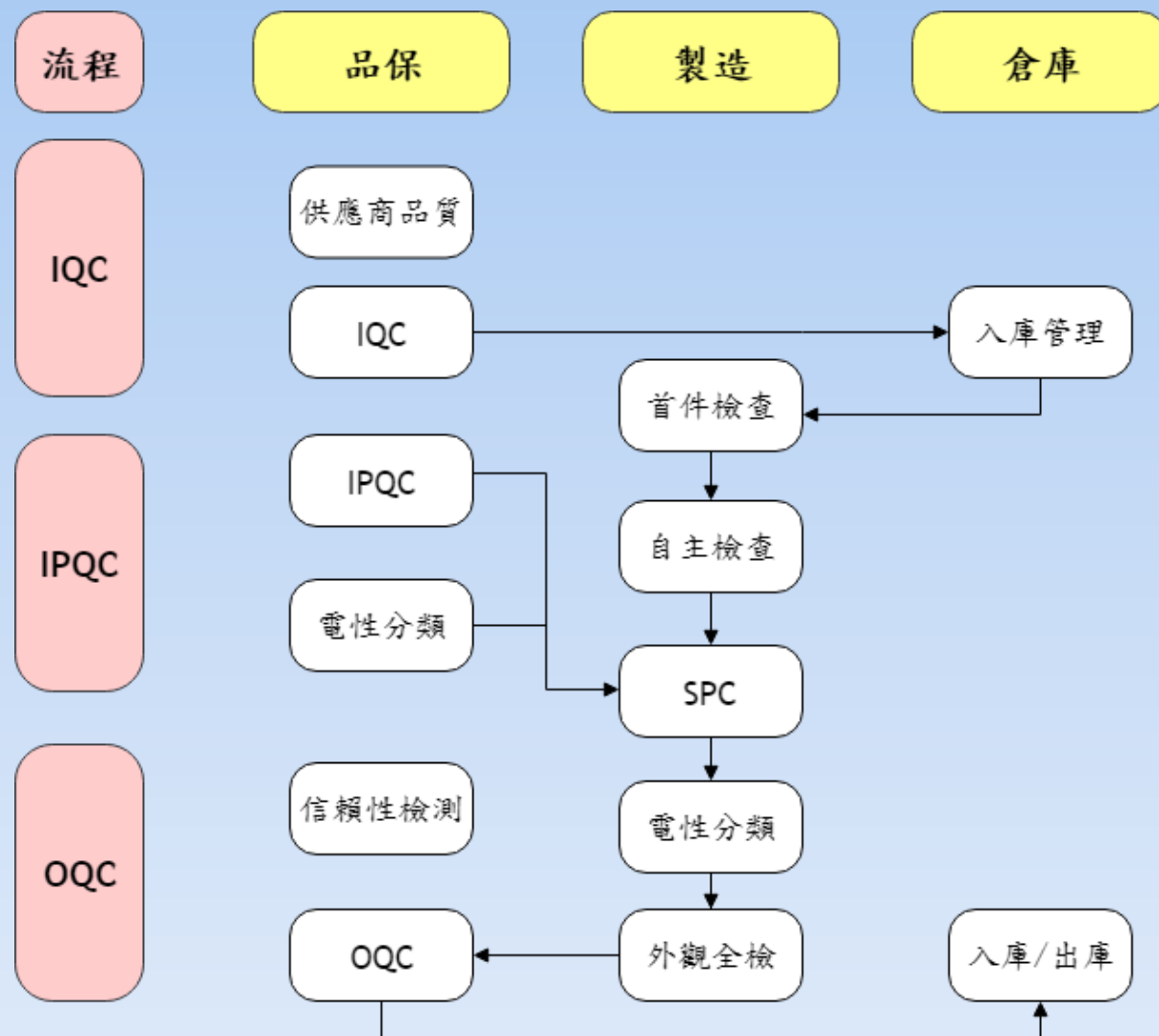
品質流程圖

- ✓ 供應商品質管理程序
- ✓ 品質管制程序
- ✓ 客訴流程
- ✓ 失效流程分析

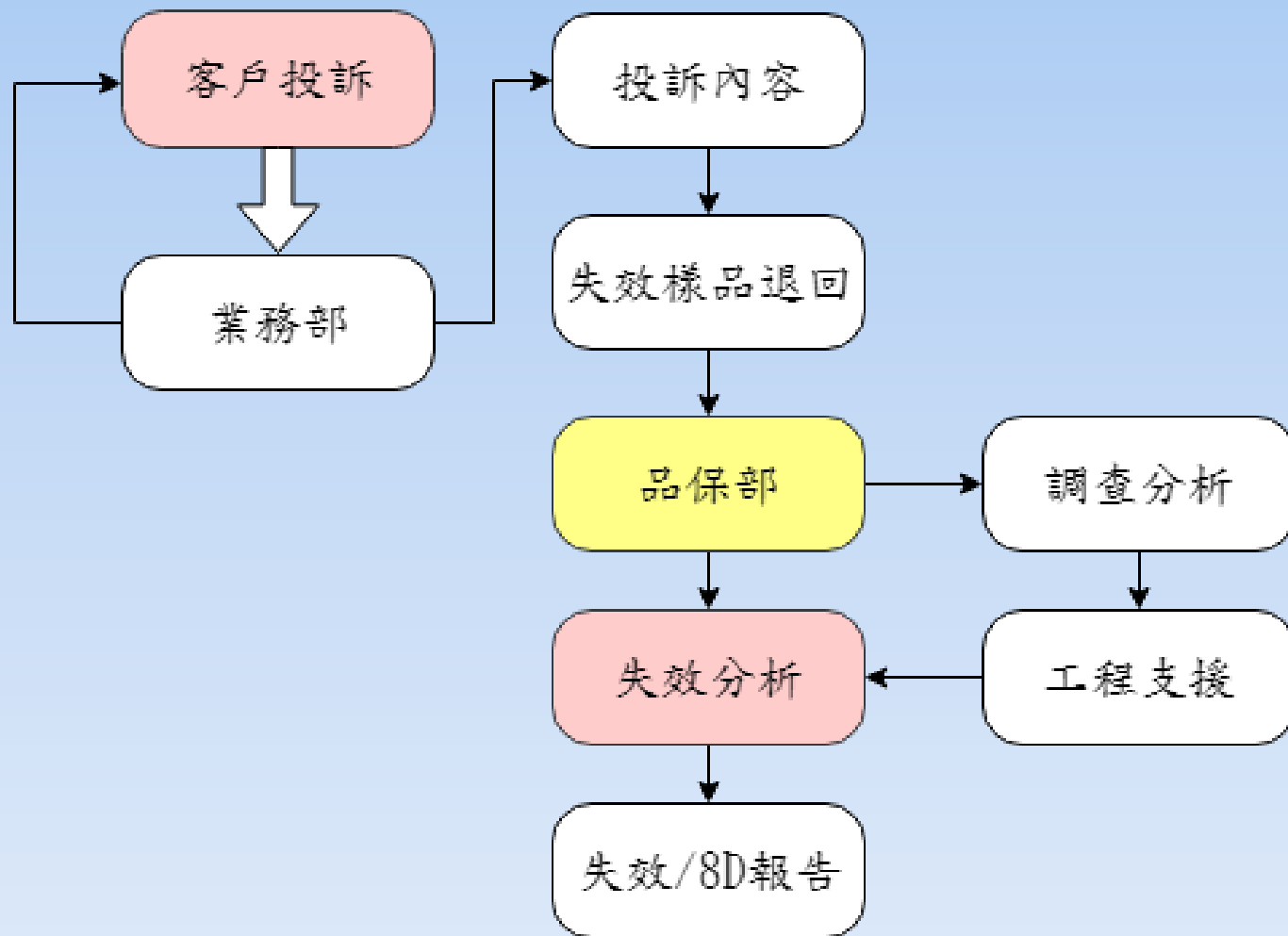
供應商品質管理程序



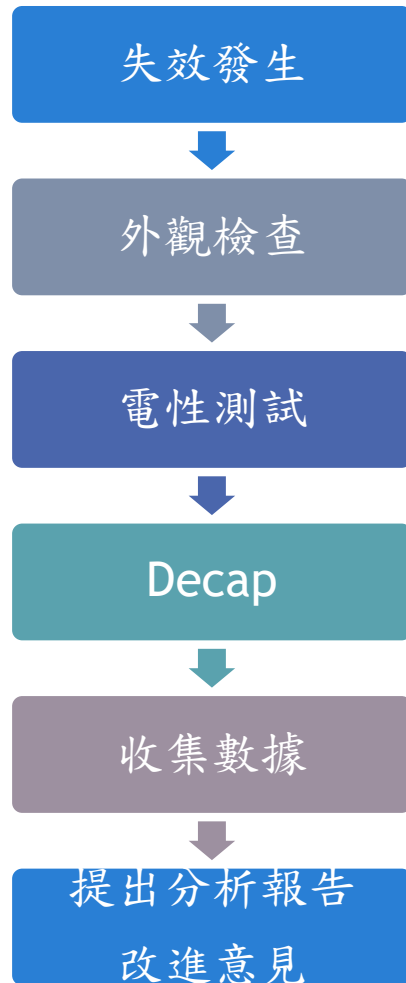
品質管制程序



客訴流程



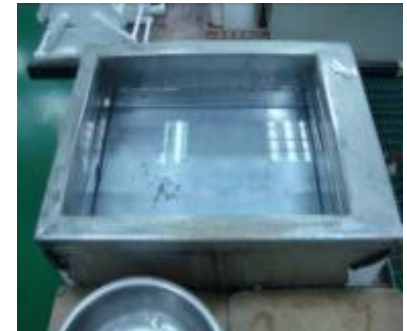
失效流程分析



示波器



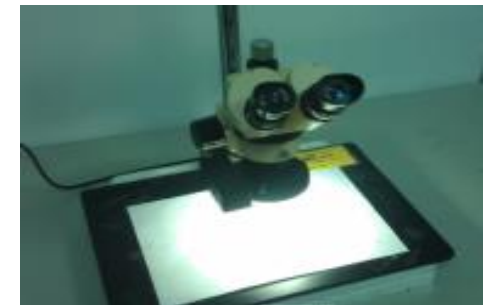
加熱板



超音波清洗槽



電性測試機



顯微鏡



03.

高可靠性測試

- ✓ 高可靠性測試項目
- ✓ 高可靠性測試設備
- ✓ 高可靠性證書
- ✓ 品質測試設備清單

高可靠性測試項目

NO.	Experiment Item	Experiment Method And Conditions	Documentation
1	PRE-CONDITIONING	TA= 125°C TIME=24 HRS TA= 85°C RH=85% TIME = 168 HRS 3 REFLOW CYCLES	JESD22 A-113
2	HIGH TEMPERATURE REVERSE BIAS	TA = 150°C , TEST @ 0, 500 & 1000 HRS	JESD22 A-108
3	TEMPERATURE CYCLING	TA = -55 to 150 DEG. C., TEST @ 0, 500, & 1000 CYCLES	JESD22 A-104
4	AUTOCLAVE	96 HRS, TA = 121 C, RH= 100 % TEST @ 0 HRS & 96 HRS	JESD22 A-102
5	HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS (H3TRB)	85°C /85RH; BIAS @ 80% RATED VOLTAGE. TEST @ 0, 1000 HRS	JESD22 A-101
6	ESD	330pF/330Ω, CONTACT DISCHARGE ±30KV	ISO 10605 Ed.2 AEC-Q101-001 and Q-101-005

NO.	Experiment Item	Experiment Method And Conditions	Documentation
7	D.P.A.	USE DEVICES THAT PASSED H3TRB & TC	AEC Q101-004
8	PHYSICAL DIMENSION	SEE APPLICABLE USER DEVICE PACKAGING SPEC	JESD22 B-100
9	RESISTANCE TO SOLDER HEAT	TS = 260 DEG C; TEST PRE & POST	JESD22 B-106
10	SOLDERABILITY	TEMP. OF SOLDER POT=245±5°C , TIME= 5~10 SEC	J-STD-002
11	THERMAL RESISTANCE	JUNCTION TO AMBIENT AND JUNCTION TO LEAD	JESD-24-3, 24-4, 24-6
12	DIE SHEAR	TEST SPEED: 100 UM/SEC	MIL-STD-750 Method 2017

高可靠性測試設備-1

H3TRB



HTRB



PCT



高可靠性測試設備-2

Temperature
Cycle Test



Thermal
Resistance



ESD



高可靠性證書

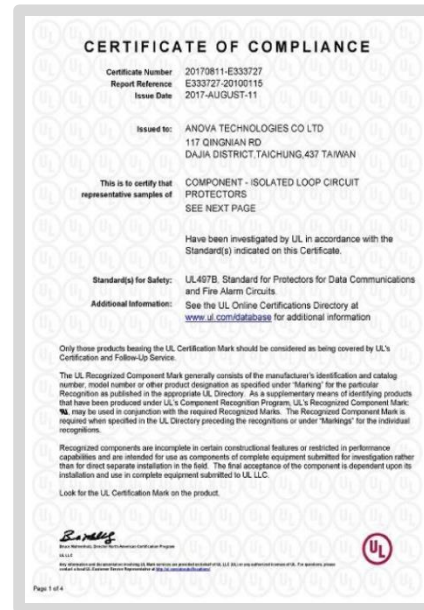
AEC-Q101



ISO 26262



UL



ISO 17025



品質測試設備清單

設備型號	供應商
TVR6000	冠魁
VC5300L	冠魁
VC6700	冠魁
4 point probe head	Napson Corp.
ZZT6800B	冠魁
TRR Tester	冠魁
VC-6131N	維明
VC615	維明
10/1000us VC 35K	冠魁
8/20us Voltage Surge Simulator	冠魁
Vernier Caliper	長融
Tensile Machine	義興

林朋優勢



THANKS For Attention



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