

(P) PROTOTYPE 样品生产 / (PRE-LAUNCH) 试生产 / (J) PRODUCTION 量产										MCP (制程控制计划)		SUPPLIER/PLANT APPROVAL/DATE 供应商/工厂批准/日期		CUSTOMER APPROVAL/DATE (If Req'd) 客户批准/日期 (如有需要)		Photo	
CONTROL PLAN NUMBER 控制计划编号										OTHER APPROVAL/DATE (If Req'd) 其他批准/日期 (如有需要)		Process quality number (制程质量编号)					
PART NUMBER/LATEST CHANGE: 产品编号/最新变更																	
PART NAME/DESCRIPTION: 产品名称/描述																	
SUPPLIER/PLANT: 供应商/工厂: Advantec Electron Ltd.																	
Process control (制程控制)																	
Process/Operation 工序/操作	EQUIPMENT 生产设备	Characteristic 特性/参数	CTO Y/N	Tolerance 公差	Frequency 频率	REACTION PLAN 反应计划	SAMPLE 取样		MEASUREMENT METHOD 测量方法/器具	Responsible 责任人	CURRENT CONTROL 当前控制				REACTION PLAN 反应计划		
							SIZE 规格	Frequency 频率			Characteristic 特性	TOLERANCE 公差/标准	AQC	Inspection 检验		Document 参考文件	
<p>Please fill all major process operations from incoming inspection to outgoing inspection 请列出所有从进料检验到出货检验的主要制程/操作</p> <p>Please list the main production equipment corresponding to the process/operation 请列出与制程/操作相对应的生产设备</p> <p>Fill in the characteristics or parameters that the process should control. It should be measurable or displayed on the device. 请填入制程/操作应控制的特性/参数。其应该可测量的或在设备上有显示的</p> <p>Please fill in the tolerance range of the equipment parameters that should be controlled (please specify the corresponding procedures/operational guidelines if necessary) 请填入设备的公差范围(如有必要,请填写对应的程序/操作指引)</p> <p>Show Y for the key process 请显示Y表示关键制程</p>						<p>Fill in corrective actions and contingency plans when monitoring results differ from requirements, e.g. handling of products/semi-finished products. 请填写当监控结果与要求不同时采取的纠正及应急方案,例如100%的检查</p> <p>Fill in the sampling frequency for its quality control points, including 100% inspection and First time check. 请填入品质控制点的抽样频率,包括100%的检查</p> <p>Fill in the sampling method used at the corresponding checkpoints. 请填入在相应检查点所采用的测量方法。(器具/测量器具的型号)</p>					<p>Indicate which items or features the checkpoint is examining. 请指出检查点的检查项目/特性</p> <p>Please indicate the position of the inspector. 请指出检查人的位置</p> <p>Please indicate the tolerance range or standard of inspection parameters at corresponding checkpoints if there is too much content, such as final inspection. 请指出在相应检查点的公差/标准。(如有内容太多,例如最终检验,可指明其参考的文件或程序/表格)</p> <p>Indicate acceptable quality levels at checkpoints. 请指出检查点的可接受质量水平</p> <p>Please indicate whether records are available at checkpoints, and if so, indicate the number of records. 111 records should be kept for at least 18 months and provided as needed. 请指出检查点是否有记录,如需要,请提供至少18个月的记录,并在需要时及时提供</p> <p>Please indicate whether there is a procedure or operating instruction for the checkpoint, and if so, specify its number. 请指出检查点是否有程序/操作指引,如没有,请指定其编号</p> <p>Please fill in the corrective action and contingency plan as handling of products/semi-finished products. 请填入纠正及应急方案(针对半成品/产品的处理)</p>						
Incoming Material 来料	Components/Electrical/Bulk Item Check 电子/电气/插件/成品	/	/	Y	/	Return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工后检验合格使用)	RQC Inspection instruction, sampling inspection RQC 检验指导书, 抽样检验	Very Batch 每批次	Visual measurement, Caliper, IFR, Multimeter 目视, 卡尺, LCR, 万用表	RQC	Performance/appearance/structure/BOM RQC进料检验指导书 外观/结构/包装安全	RQC incoming inspection specification BOM	CR: 0 MA: 0.65 MI: 1.0	RQC Incoming daily report RQC进料日报表	Incoming inspection instructions Adv-WQ025 RQC进料检验工作指引 Adv-WQ025	Return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工后检验合格使用)	
	Hardware 五金	/	/	Y	/	Return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工后检验合格使用)	RQC Inspection instruction, sampling inspection RQC 检验指导书, 抽样检验	Very Batch 每批次	Visual measurement, Caliper 目视, 卡尺, 千分尺	RQC	Appearance/size 外观/尺寸	Spec parts drawing 零件图	CR: 0 MA: 1.0 MI: 2.5	RQC Incoming daily report RQC进料日报表	Incoming inspection instructions Adv-WQ021 RQC进料检验工作指引 Adv-WQ021	Return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工后检验合格使用)	
	Packing Materials 包装材料	/	/	Y	/	Return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工后检验合格使用)	RQC Inspection instruction, sampling inspection RQC 检验指导书, 抽样检验	Very Batch 每批次	Visual measurement, Caliper/Measure tape 目视, 卡尺/尺	RQC	Appearance/size 外观/尺寸	Packaging engineering order data, signature board 包工工程订单/签字板	CR: 0 MA: 1.0 MI: 2.5	RQC Incoming daily report RQC进料日报表	Incoming inspection instructions Adv-WQ013 RQC进料检验工作指引 Adv-WQ013	Return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工后检验合格使用)	
	Plastic Parts 塑料件	/	/	Y	/	Return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工后检验合格使用)	RQC Inspection instruction, sampling inspection RQC 检验指导书, 抽样检验	Very Batch 每批次	Visual measurement, Caliper/Measure tape 目视, 卡尺/尺	RQC	Appearance/size 外观/尺寸	Spec parts drawing, sign board 零件图/签字板	CR: 0 MA: 1.0 MI: 2.5	RQC Incoming daily report RQC进料日报表	Incoming inspection instructions Adv-WQ019 RQC进料检验工作指引 Adv-WQ019	Return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工后检验合格使用)	
SMT	/	/	/	/	/	/	First sample/batch sampling 首件/批次抽检	LCR/Visual measurement LCR/目视	IPOC	Appearance 外观	BOM/feeding table BOM/上料表	CR: 0 MA: 0.65 MI: 2.5	IPOC daily report IPOC日报表	First sample/batch 111 首件/批次确认管理 ADV-WQ113	Nonconforming return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工使用)		
Insert/In-hole/Insertion 插入/插孔/插入	/	/	/	/	/	/	First sample/batch sampling 首件/批次抽检	Visual measurement 目视	IPOC	Appearance/size/function 外观/尺寸/性能	BOM Sign board/work instruction BOM/签字板/作业指导书	CR: 0 MA: 0.65 MI: 2.5	IPOC daily report IPOC日报表	First sample validation and management ADV-WQ115 首件确认管理 ADV-WQ115	Nonconforming return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工使用)		
First Sample 首件	/	/	Y	BOM表	Very Batch 每批次	Return to the warehouse for review 退回仓库重新发料	Very Batch 每批次	/	/	Appearance/size/function 外观/尺寸/性能	BOM/feeding table/work instruction BOM/上料表/作业指导书	CR: 0 MA: 0.65 MI: 2.5	IPOC daily report IPOC日报表	First sample validation and management ADV-WQ113 首件确认管理 ADV-WQ113	Nonconforming return of goods (or use after sorting, processing and inspection) 不合格品退货(或分拣、加工使用)		
Parts assembly 零件组装	/	/	N	Production SOP生产组作业指导书	One time per two hours 每两小时一次	Repair and deal with defective products 不良品返修处理	5pcs	One time per two hours 每两小时一次	Visual measurement 目视	IPOC	Upper and lower assembly match Spot/hour/scratch 上下装配/吻合/点/划痕/无异物, 无异物确认	/	/	IPOC Inspection Report IPOC巡检报告	IPOC Process Inspection work guide IPOC制程控制工作手册	Feedback to the production group for correction and prevention 反馈至生产组与其纠正与预防	
Butt welding 碰焊	Butt welding machine 碰焊机	碰焊电压 285±15 伏, 20±5 安培, 10P±5 电压 4±1Mpa 方向	Y	Production SOP生产组作业指导书	One time per one hour 每小时一次	Stop operation immediately, readjust parameters and repair equipment. 立即停止作业, 重新调整参数及维修设备	10pcs	One time per one hour 每小时一次	Visual measurement/Torsion Barve 目视/扭力	IPOC IE IPOC-技术人员	Appearance/tension 外观/张力	0.5kgf	CR: 0 MA: 0.65 MI: 2.5	IPOC Inspection Report, Technical spot check IPOC巡检报告, 技术人员点检	Butt welding working instruction ADV-WQ112 碰焊工作指导书 ADV-WQ112	After the failure, the production team should immediately stop the operation, readjust the parameters and repair the equipment. 失败后, 生产团队应立即停止作业, 重新调整参数及维修设备	
Screw 打螺丝	Electric Screw Driver 电动螺丝刀	扭力为1.1kg~1.2kg	N	Production SOP生产组作业指导书	One time per one shift 每班次一次	/	2pcs	One time per one shift 每班次一次	Torsion Tester 扭力测试仪	IPOC	Test the torque of the batch 测试批扭力	0.5kgf	CR: 0 MA: 0.65 MI: 2.5	Electric Screw Driver torque inspection report 电动螺丝扭力检查报告	Working instruction ADV-WQ117 作业指导书 ADV-WQ117	The defective product produced by the required torque is selected for treatment. 按照要求扭力所产生的不良品选出处理	
Electrical Safety 电气安全	/	/	Y	/	/	/	100%检查	100%检查	Measurement Equipment 检测仪器	IPOC	Hi-pot test 耐压 2750V	Working Instruction 作业指导书	Full Inspection 全检	Full Inspection 全检	Hi Finished product inspection working instruction ADV-WQ101 成品检验工作指引 Adv-WQ101	Repair defective products 不良品维修	
Appearance Check 外观检查	/	/	Y	/	/	/	Full Inspection 全检	Full Inspection 全检	/	IPOC	Appearance/structure 外观/结构	Working Instruction 作业指导书	Full Inspection 全检	Full Inspection 全检	Finished product inspection working instruction ADV-WQ108 成品检验工作指引 Adv-WQ108	Repair defective products 不良品维修	
Functional Check 功能检查	/	/	Y	/	/	/	Full Inspection 全检	Full Inspection 全检	/	IPOC	Function 功能	Working Instruction 作业指导书	Full Inspection 全检	Full Inspection 全检	Finished product inspection working instruction ADV-WQ109 成品检验工作指引 Adv-WQ109	Repair defective products 不良品维修	
Range Testing 测距	/	/	Y	/	/	/	Full Inspection 全检	Full Inspection 全检	Bearing/Instruments 耳听/仪器	IPOC	Sound test 有异响	Inspection Instruction 作业指导书	Full Inspection 全检	Inspection report	Hi Finished product inspection working instruction ADV-WQ101 成品检验工作指引 Adv-WQ101	Repair defective products 不良品维修	
First Sample 首件	/	/	/	/	Very Batch 每批次	/	/	Very Batch 每批次	/	QA	Appearance/function 外观/功能	Packaging BOM/SOP 包装BOM/作业指导书	/	First sample record 首件记录	First sample check and management ADV-WQ111 首件确认管理 ADV-WQ111	Nonconforming return of goods 不合格品退货	
Appearance Check 外观检查	/	/	/	/	Very Batch 每批次	/	Full Inspection 全检	Full Inspection 全检	/	QA	Appearance/function 外观/功能	Packaging BOM/SOP 包装BOM/作业指导书	Full Inspection 全检	Finished product inspection record 成品检验记录	Finished product inspection working instruction ADV-WQ129 成品检验工作指引 Adv-WQ129	Repair defective products 不良品维修	
Appearance Check 外观检查	/	/	Y	/	Very Batch 每批次	/	Guidelines for finished product inspection 成品检验工作指引	Very Batch 每批次	/	QA	Appearance/function 外观/功能	Packaging BOM/SOP 包装BOM/作业指导书	CR: 0 MA: 0.65 MI: 2.5	QA Outgoing Inspection 成品检验	Finished product inspection working instruction ADV-WQ132 成品检验工作指引 Adv-WQ132	Nonconforming return of goods 不合格品退货	
Functional Check 功能检查	/	/	Y	/	Very Batch 每批次	/	Guidelines for finished product inspection 成品检验工作指引	Very Batch 每批次	/	QA	Appearance/function 外观/功能	Packaging BOM/SOP 包装BOM/作业指导书	CR: 0 MA: 0.65 MI: 2.5	QA Outgoing Inspection 成品检验	Finished product inspection working instruction ADV-WQ132 成品检验工作指引 Adv-WQ132	Nonconforming return of goods 不合格品退货	