

ESD MEASUREMENT SMT LINE

Periode : June 19th 2020

No	Station	Check Item	Standard	Result	Remark
1	PWB Destacker	Resistivity			
		ESD MAT	Max - 10^8	10^5	OK
		Lantai ESD	Max - 10^8	10^6	OK
		Static Voltage			
		Conveyor belt	<150 volts	20 volts	OK
2	PWB Cleaner	Static Voltage			
		Conveyor belt	<150 volts	30 volts	OK
3	Conveyor after label	Static Voltage			
		Conveyor belt	<150 volts	25 volts	OK
		Conveyor belt	<150 volts	20 volts	OK
		Cover Conveyor	<150 volts	25 volts	OK
		Secondary Grounding	Max - 10^8	10^6	OK
4	Solder Paste Printing	Resistivity			
		Lantai ESD	Max - 10^8	10^5	OK
	Conveyor	Static Voltage			
		Conveyor belt	<150 volts	25 volts	OK
		Cover conveyor	<150 volts	20 volts	OK
		Scanner	<150 volts	30 volts	OK
		Secondary Grounding	Max - 10^8	10^5	OK
5	Solder pasta 3D SPI	Static Voltage			
		Conveyor belt	<150 volts	25 volts	OK
		Cover Conveyor	<150 volts	30 volts	OK
		Secondary Grounding	Max - 10^8	10^5	OK
6	Pick & Place	Resistivity			
		Lantai ESD	Max - 10^8	10^5	OK
		Bonding point earth	Max - 10^8	10^6	OK
		Static Voltage			
		Conveyor belt	<150 volts	20 volts	OK
		Cover conveyor	<150 volts	30 volts	OK
		Secondary Grounding	Max - 10^8	10^6	OK
7	Reflow	Static Voltage			
		Conveyor belt	<150 volts	25 volts	OK
		Secondary Grounding	Max - 10^8	10^6	OK
8	Loader AOI	Static Voltage			
		Conveyor belt	<150 volts	20 volts	OK
		Scanner	<150 volts	25 volts	OK
		Secondary Grounding	Max - 10^8	10^6	OK
	AOI	Static Voltage			
		Conveyor belt	<150 volts	25 volts	OK
		Cover conveyor	<150 volts	30 volts	OK
		Secondary Grounding	Max - 10^8	10^5	OK
	AOI Loading	Static Voltage			
		Conveyor belt	<150 volts	30 volts	OK
		Magazine	<150 volts	35 volts	OK
		Lantai ESD	Max - 10^8	10^6	OK
		Secondary Grounding	Max - 10^8	10^5	OK
	Meja AOI (RVS)	Resistivity			
		ESD MAT	Max - 10^8	10^5	OK
		Static Voltage			
		Scanner	<150 volts	25 volts	OK

		Secondary Grounding	Max - 10^8	10^6	OK
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No	Station	Check Item	Standard	Result	Remark
8	Conveyor	Static Voltage			
		Conveyor belt	<150 volts	25 volts	OK
		Cover conveyor	<150 volts	30 volts	OK
		Secondary Grounding	Max - 10^8	10^6	OK
	Conveyor Open close	Static Voltage			
		Conveyor belt	<150 volts	35 volts	OK
		Cover conveyor	<150 volts	30 volts	OK
9	Conveyor After Label	Secondary Grounding	Max - 10^8	10^5	OK
		Static Voltage			
		Conveyor belt	<150 volts	20 volts	OK
		Conveyor belt	<150 volts	15 volts	OK
		Cover conveyor	<150 volts	42 volts	OK
10	Solder Paste Printing	Secondary Grounding	Max - 10^8	10^5	OK
		Resistivity			
	Coveyor After Printing	Lantai ESD	Max - 10^8	10^5	OK
		Conveyor belt	<150 volts	25 volts	OK
		Cover Conveyor	<150 volts	30 volts	OK
		Scaner	<150 volts	35 volts	OK
11	Solder pasta 3D SPI	Secondary Grounding	Max - 10^8	10^5	OK
		Static Voltage			
	Conveyor	Conveyor belt	<150 volts	25 volts	OK
		Cover conveyor	<150 volts	30 volts	OK
12	Pick & Place	Secondary Grounding	Max - 10^8	10^5	OK
		Resistivity			
		Lantai ESD	Max - 10^8	10^5	OK
	Conveyor	4 bonding point earth	Max - 10^8	10^5	OK
		Static Voltage			
		Conveyor Belt	<150 volts	25 volts	OK
		Cover Conveyor	<150 volts	27 volts	OK
13	Reflow	Secondary Grounding	Max - 10^8	10^5	OK
		Static Voltage			
	Conveyor	Conveyor belt	<150 volts	25 volts	OK
		Secondary Grounding	Max - 10^8	10^6	OK
14	Loader AOI	Secondary Grounding	Max - 10^8	10^5	OK
		Static Voltage			
		Conveyor belt	<150 volts	20 volts	OK
		Scaner	<150 volts	25 volts	OK
	AOI	Secondary Grounding	Max - 10^8	10^5	OK
		Static Voltage			
		Conveyor belt	<150 volts	25 volts	OK
		Cover conveyor	<150 volts	20 volts	OK
	AOI Loading	Secondary Grounding	Max - 10^8	10^5	OK
		Static Voltage			
		Conveyor belt	<150 volts	30 volts	OK
		Cover conveyor	<150 volts	30 volts	OK
14	Meja AOI (RVS)	Magazine	<150 volts	25 volts	OK
		Secondary Grounding	Max - 10^8	10^6	OK
		Resistivity			
		ESD MAT	Max - 10^8	10^5	OK
		Static Voltage			
		Scaner	<150 volts	30 volts	OK
		Secondary Grounding	Max - 10^8	10^5	OK
		Lantai ESD	Max - 10^8	10^6	OK

No	Station	Check Item	Standard	Result	Remark
15	Drop In	Static Voltage			
	conveyor before seho	Belt conveyor	<150 volts	30 volts	OK
		Jig drop in	<150 volts	25 volts	OK
		Belt conveyor	<150 volts	30 volts	OK
		Secondary Grounding	Max - 10 ⁸	10 ⁵	OK
16	Selective Solder 2	Static Voltage			
		Belt conveyor	<150 volts	30 volts	OK
		Secondary Grounding	Max - 10 ⁸	10 ⁵	OK
17	ICT	Static Voltage			
		Belt conveyor	<150 volts	30 volts	OK
		Jig ICT	<150 volts	25 volts	OK
		Secondary Grounding	Max - 10 ⁸	10 ⁵	OK
18	Flashing	Static Voltage			
		Belt conveyor	<150 volts	30 volts	OK
		jig Flash	<150 volts	25 volts	OK
		Secondary Grounding	Max - 10 ⁸	10 ⁵	OK
19	Router	Jig	Max - 10 ⁸	10 ⁵	OK
		Secondary Grounding	Max - 10 ⁸	10 ⁵	OK
20	FCT	Lantai ESD	Max - 10 ⁸	10 ⁵	OK
		Static Voltage			
		JIG FCT 1	<150 volts	30 volts	OK
			<150 volts	35 volts	OK
		Jig FCT 2	<150 volts	20 volts	OK
			<150 volts	20 volts	OK
		Secondary Grounding	Max - 10 ⁸	10 ⁶	OK

Checked	Prepared
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