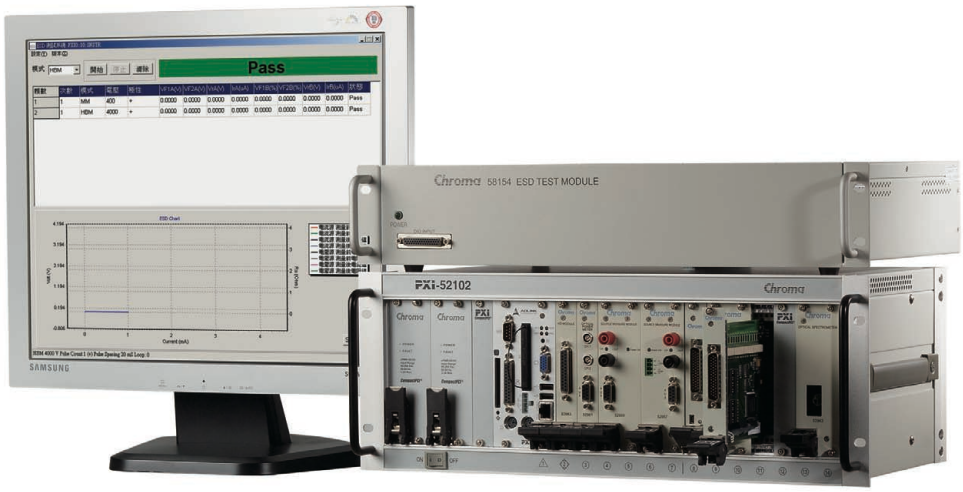


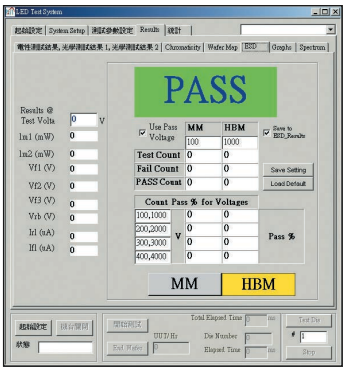
MODEL 58154

ESD TEST SYSTEM

Key Features

- ☑ Two Models ESD Pulse Generation: Human body model and machine model
- ☑ Programmable Auto Test
: Pulse period, cycle and property is user defindable
- ☑ High Scan Precision: Machine model scan precision minimum to 5V per-step, human body model precision minimum to 20 V per-step
- ☑ Diversity Control Interface: Can be controlled by keypad or wafer prober
- ☑ Up to 4000V

ESD Test System (PCI Board)



Chroma 58154 ESD Test System is a PXI controlled module or PCI board for simulating ESD discharge pulses during electronic device testing to either ESD STM5.1-2001-Human Body Model or ESD STM5.2-1999-Machine Model. The unit comprises a PXI module to provide the control signals and an external box containing the high voltage PSU and pulse shaping circuits. ESD testing is typically performed on a sample basis.

The Chroma 58154 can be integrated with a wafer prober to test devices in a defined sample pattern. Typically a die is tested, ESD pulse(s) are applied and the device is retested. The level of ESD pulse is gradually increased until device failure is detected by the second test.

SPECIFICATIONS	
Model	**58154**
Parameter	Value
ESD Mode	Machine model / Human body model
Pulse voltage	Machine model: 50V to 400V ± 5V Human body model: 500V to 4kV ± 20V
ESD Specification (without measure port)	Machin model reference on STM5.2-1999 *Note 1 Human body model reference on STM5.1-2001 *Note 1
Pulse period	20ms to 1s-user definable
Pulse repetition	Single or multiple
Pulse polarity	Positive or negative-software control
AC input	90V to 260 VAC, 47 to 63Hz
Dimensions	434.6mm(W) x 97.7mm(H) x 306.8mm(D)
Weight	10kg

Note1: If ESD pulse out port is combined with measure port, the machine model ESD pulse period t_{pm} would increase from 90ns to 100 ns. And Human body model pulse rise time t_r would increase from 10 ns to 12.5 ns, pulse decay percentage would increase from 15% to 20 % .

Pattern No.: 95137265
Pattern Name : Discharge and remote feedback integrated testing system

Ordering Information

PXI-58154 : ESD Test System
PCI-58154 : ESD Test System