

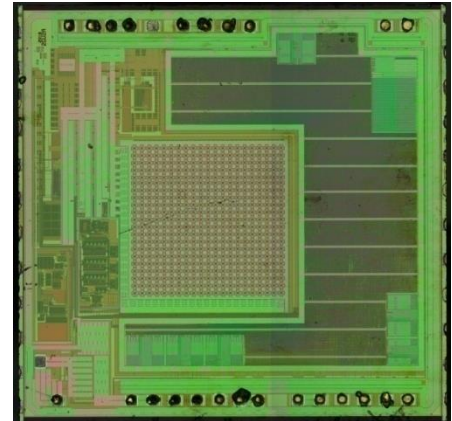
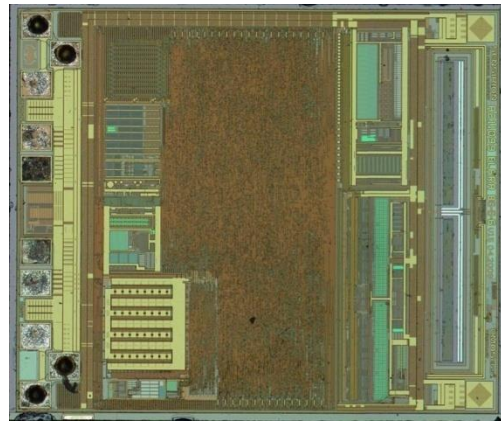
Nest Learning Thermostat

www.sitrigroup.com

Weibo



Wechat



Teardown Analysis Report

To Know





Nest Learning Thermostat Product Analysis Report

Table Of Contents

Teardown

Product Overview	Page 2
Teardown	Page 7
IC Analysis	Page 27
Major Findings	Page 35

Electronics Analysis

Sensor Overview	Page 36
Ambient Light / Proximity Sensor	Page 37
Humidity / Temperature Sensor	Page 39
Optical Finger Navigation Sensor	Page 41
IR Sensor of Monitoring	Page 43
IR Sensor of Motion	Page 47
Major Findings	Page 50

Cost Analysis

Substrates	Page 51
IC Components	Page 52
Modular Components	Page 56
Discrete Components	Page 57
Connector Components	Page 59
Non-Electronic Cost Estimate	Page 60
Cost Summary	Page 61
Major Findings	Page 65

www.sitrigroup.com

Weibo



Wechat

