

NJY Technology Co.,Ltd



Specification of Surface Acoustic Wave USB Control Board

Model: SAW-USB

This specification applies to the following USB Control Board for Surface Acoustic Wave Touch Panel.

Electrical Characteristics

Power Supply

+12V DC , (+11V DC to +13 V DC)

100 mA , typical at +12 DC.

Supply must be capable of sourcing 200 mA, minimum

Interface

USB1.1

Plug and play compatible

Touch Resolution

4096x4096, size independent, 256 levels of Z axis(pressure)

Conversion Time

Less than 16 ms per coordinate set (including transmitting time)

Reliability

MTBF greater than 200,000 Hours , per MIL-HDBK-217-F2 using the part stress calculation method for round benign environment with an ambient temperature of 25°C.

Environmental Conditions

Temperature

Operating Temperature Range: 0°C ~ 65°C

Storage Temperature Range: -25°C ~ 85°C

Humidity

Operating Humidity Range: 10% to 90% , no dew falls

Storage Humidity Range: 10% to 90% , no dew falls

ESD

Per EN 61000-4-2 Contact discharge 8kV, air discharge 15kV

Flammability

- The printed circuit board substrate is rated 94V0. All plastic components, such as headers and connectors, are also rated 94V0.

Mechanical Characteristics

Construction

Multi-layer surface-mount design with internal ground plane for EMI suppression Supply Voltage and Current +12 VDC,

80 mA, typical at +12 VDC. Average power dissipation is 1 W, typical.

Supply must be capable of sourcing 200 mA, minimum.

Dimensions

Width: 85 mm,

Length: 62 mm

Height: 10 mm