



十速

TM57PT16

触控标准品不同布局走线之设计建议

Application Note

Rev 1.0

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修改记录

Version	Date	Description
V1.0	Apr, 2016	New release.

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一、简介

此份文件说明以 1key 标准品无铺地版本为主，IC 到 TK 距离不同时，不同布局走线之建议设计范围。

二、建议设计范围

IC 到 TK 长度分为 10cm 内、10~20cm、20~25cm 三种，其供电、介质、介质厚度、电容等之建议设计范围如下。三种长度皆可使用 Normal Mode 或 Battery Mode 供电，供电范围 3.3V~5V。

1. 介质

三种长度皆可选用压克力或玻璃作为触控介质。

2. 介质厚度

三种长度皆可选用的厚度范围为 1mm~10mm。

3. 电容

不同长度建议之最小与最大选用电容范围如图 1 所示。

长度	建议最小选用电容	建议最大选用电容
20~25cm	2.2n	10n
10~20cm	2.2n	8.2n
10cm 内	2.2n	6.8n

图 1-建议选用电容范围