Vishay Dale Thin Film Land Patterns

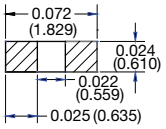
1. Scope

This technical note provides sample land patterns for Vishay Dale Thin Film SMT resistive products. The following drawings are based on IPC-SM-782 Surface Mount Design and Land Pattern Standard. These drawings are for reference only Vishay Thin Film recommends that the user contacts their PC board supplier for actual land patterns required. The pads are intended for lead (Pb)-free and tin / lead solder types.

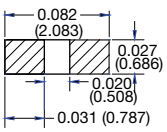
2. Product Series

Thin Film Surface Mount Chip Resistors (L, P, PTN, PLT, PAT, PNM and M/D55342 QPL series)

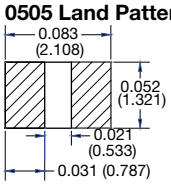
0402 Land Pattern



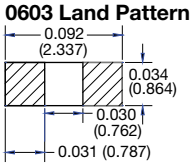
0502 Land Pattern



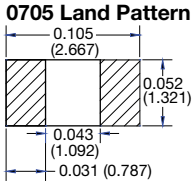
0505 Land Pattern



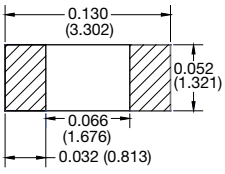
0603 Land Pattern



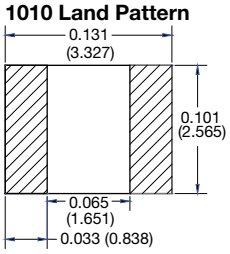
0705 Land Pattern



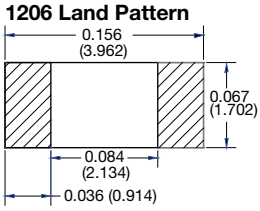
1005 Land Pattern



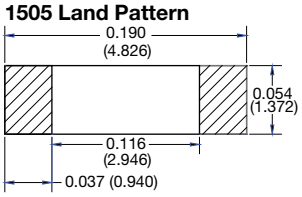
1010 Land Pattern



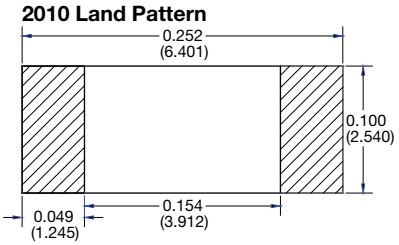
1206 Land Pattern



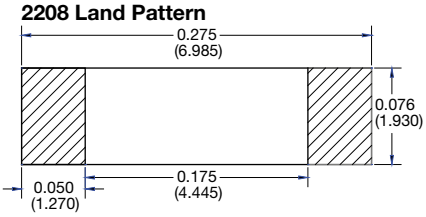
1505 Land Pattern



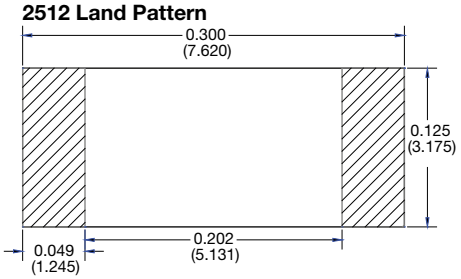
2010 Land Pattern



2208 Land Pattern



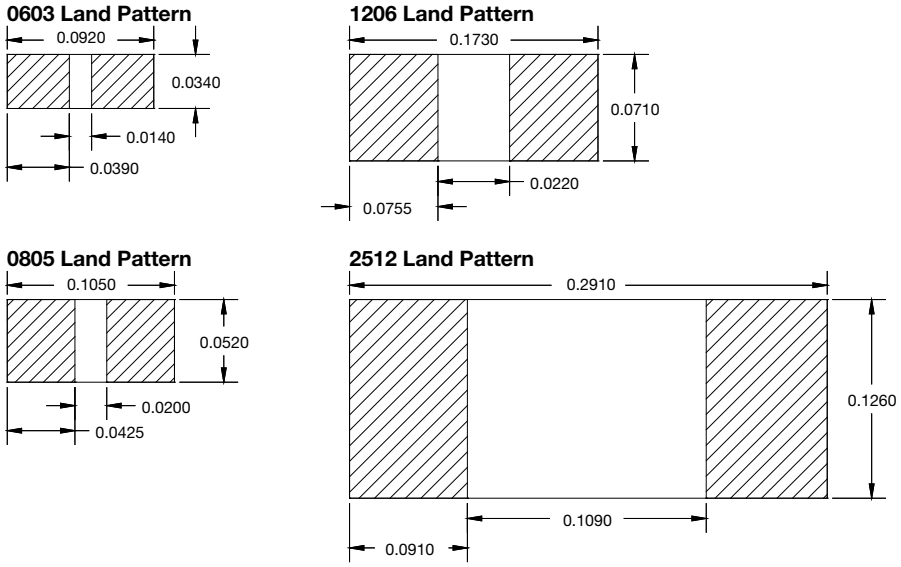
2512 Land Pattern



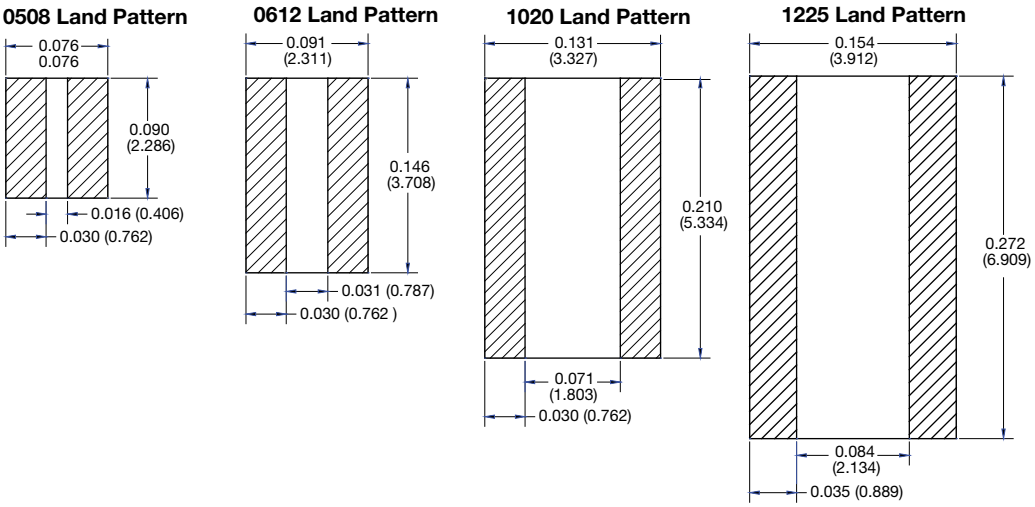
TECHNICAL NOTE

Vishay Dale Thin Film Land Patterns

Thin Film Surface Mount Chip Resistors (PHP-Series)



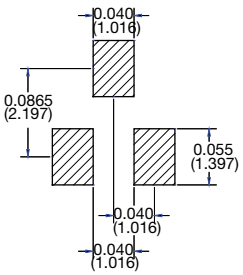
Thin Film Surface Mount Chip Resistors Long Axis Termination (L-Series)



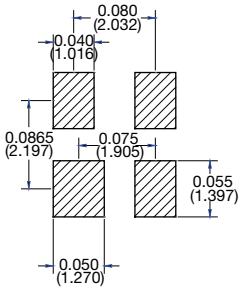
Vishay Dale Thin Film Land Patterns

Surface Mount Networks (MPM, MPD, MP3, MP4 series)

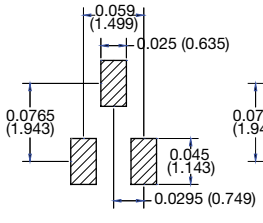
SOT-23 (MPM, MPMA)



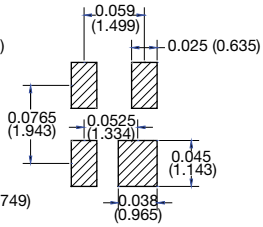
SOT-143 (MPD)



SC70-3 (MP3)

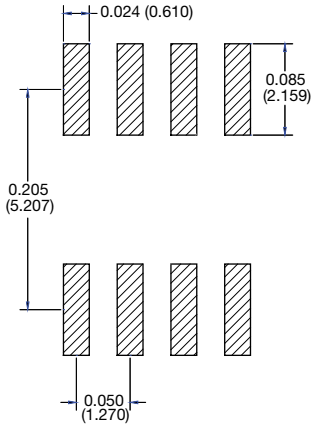


SC70-4 (MP4)

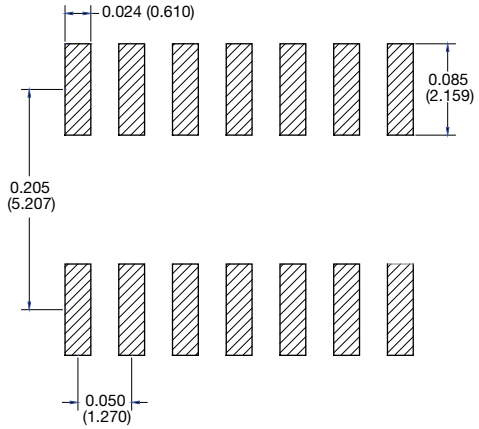


Surface Mount Networks SOIC Narrow Body 150 mils (ORN, CSO, MOMC series)

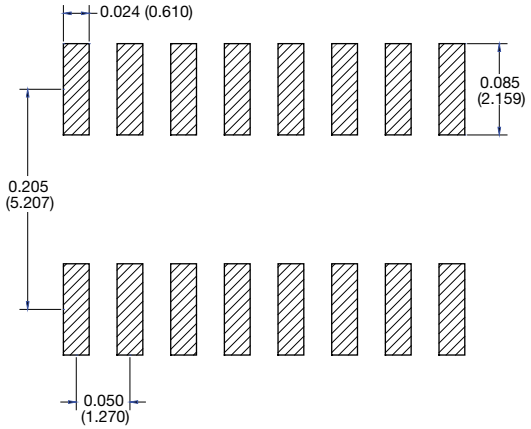
SOIC-8 (ORN, CSO-8)



SOIC-14 (NOMC-14, NOMCA-14, CSO-14)

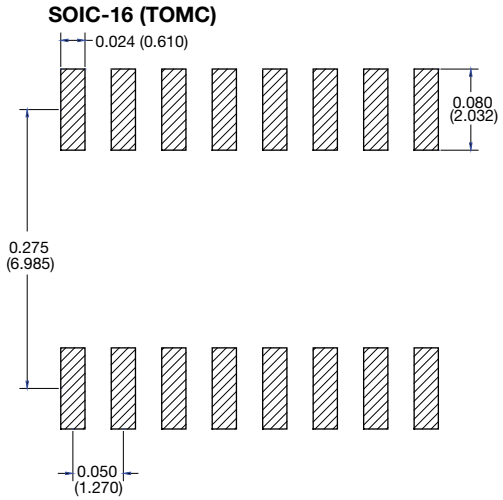


SOIC-16 (NOMC-16, NOMCA-16, CSO-16, VSOR-16)

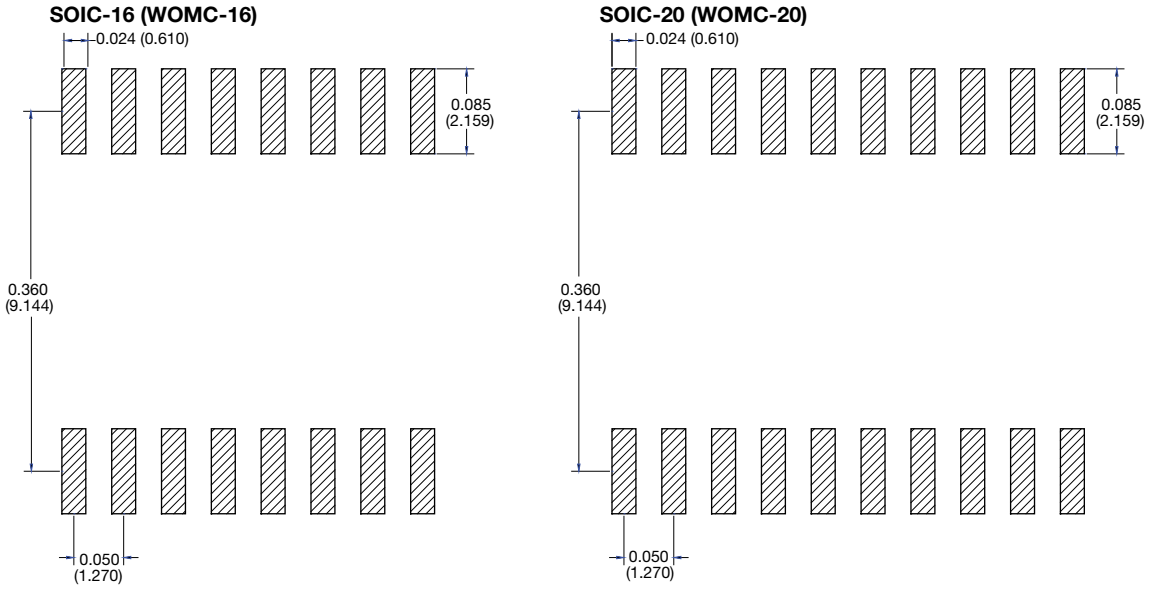


Vishay Dale Thin Film Land Patterns

Surface Mount Networks SOIC Medium Body 220 mils (TOMC series)



Surface Mount Networks SOIC Wide Body 300 mils (WOMC series)

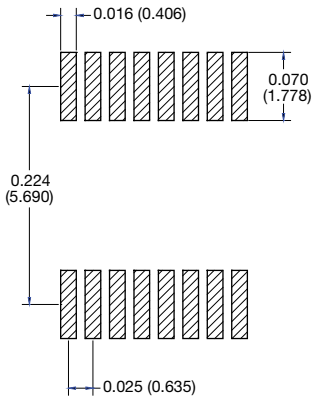


Vishay Dale Thin Film Land Patterns

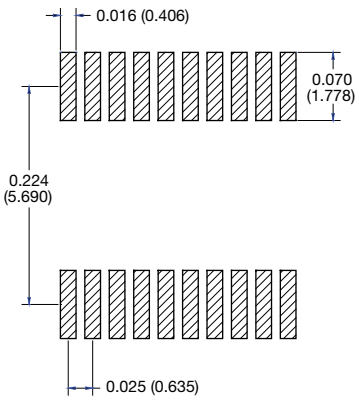
Surface Mount Networks High Density SSOP AND TSOP (VSSR, VTSR series)

SSOP MO-137

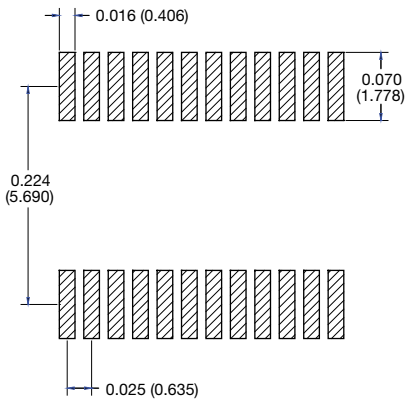
VSSR-16



OSOP-20, VSSR-20

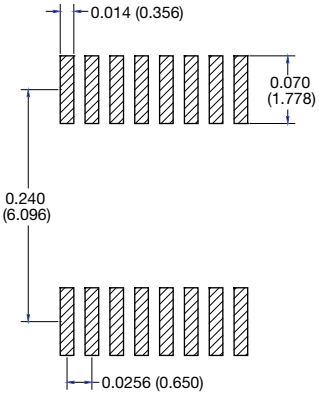


VSSR-24, HD-CSO-24

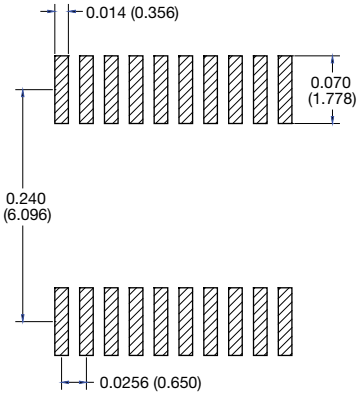


TSSOP MO-153

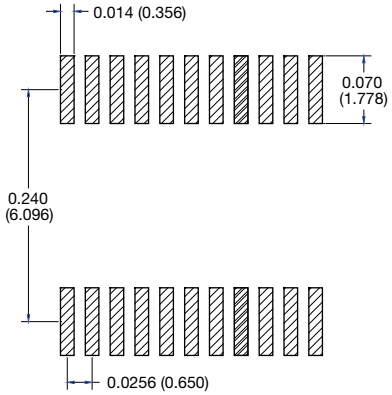
VTSR-16



VTSR-20



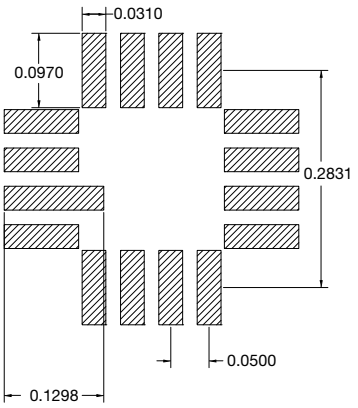
VTSR-24



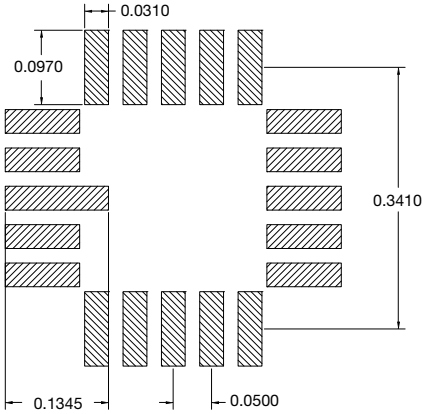
Vishay Dale Thin Film Land Patterns

Surface Mount Leadless Networks (LCC series)

16 Pin LCC

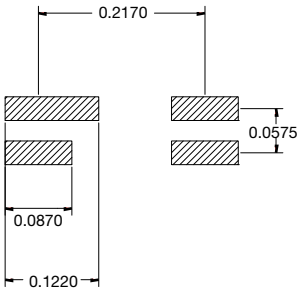


20 Pin LCC



Surface Mount Leadless Networks (MPH series)

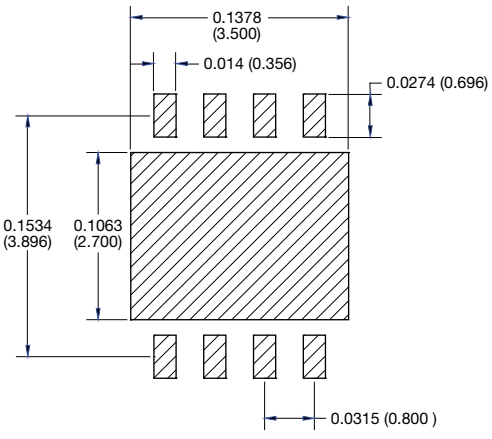
4 Pin LCC



Surface Mount Leadless Packages DUAL/ QUAD Flat No Lead (DFN, QFN series)

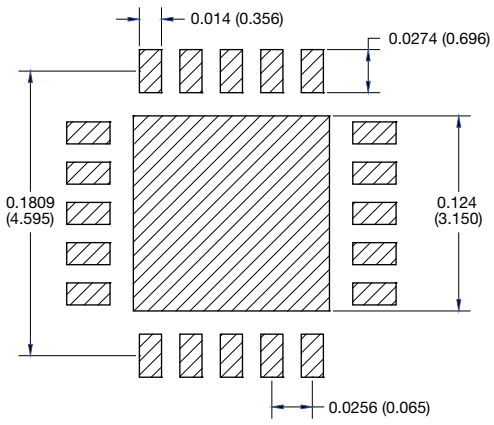
DFN MLP

DFN-8 4 x 5 mm Sq



QFN MLP

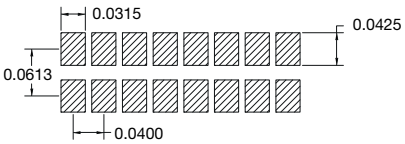
QFN-20 5 x 5 mm Sq



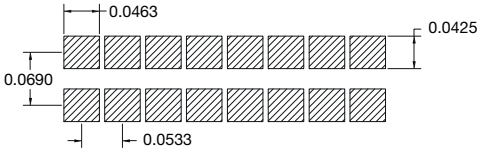
Vishay Dale Thin Film Land Patterns

Surface Mount Leadless Resistor Arrays (PR series)

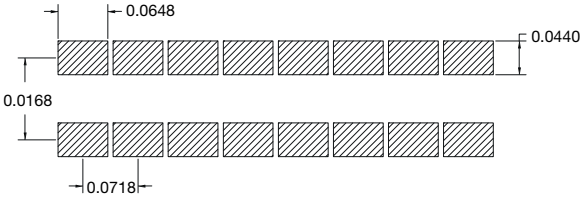
PR 100 (2 to 8 resistors)



PR 135 (2 to 8 resistors)



PR 182 (2 to 8 resistors)



Note

- All dimensions in inches (mm)