

AirBorn Operating LP

Product Technical Bulletin #37

Plated-Thru Hole Recommendations for AirBorn Compliant Terminations

For .040 +/- .003 plated thru hole (W-series product)

	<u>Nominal</u>	<u>Minimum</u>	<u>Maximum</u>
Drill hole size	0.0443	0.0430	0.0456
Copper plating	0.0015	0.0010	0.0020
Tin/lead plating	0.00065	0.0003	0.0010
Finished hole size	<u>0.0400</u>	<u>0.0370</u>	<u>0.0430</u>

For .040 +/- .002 PTH (100 Series RC Product Specification)

	<u>Nominal</u>	<u>Minimum</u>	<u>Maximum</u>
Drilled hole size	0.0444	0.0434	0.0454
Copper plating	0.0018	0.0015	0.0021
Tin/lead plating	0.00040	0.0002	0.0006
Finished hole size	<u>0.0400</u>	<u>0.0380</u>	<u>0.0420</u>

For .0280 +/- .0025 plated thru hole (R-series product)

	<u>Nominal</u>	<u>Minimum</u>	<u>Maximum</u>
Drill hole size	0.0317	0.0307	0.0327
Copper plating	0.0015	0.0010	0.0020
Tin/lead plating	0.0004	0.0002	0.0006
Finished hole size	<u>0.0279</u>	<u>0.0255</u>	<u>0.0303</u>

For .0285 +/- .003 PTH (075 Series RC Product Specification)

	<u>Nominal</u>	<u>Minimum</u>	<u>Maximum</u>
Drill hole size	0.0329	0.0319	0.0339
Copper plating	0.0018	0.0010	0.0026
Tin/lead plating	0.0004	0.0002	0.0006
Finished hole size	<u>0.0285</u>	<u>0.0255</u>	<u>0.0315</u>

The numbers above are indicative of the test board plated-thru hole sizes used in the testing of engagement/withdrawal forces. The information contained herein is only intended to be used as a guideline, other drill hole sizes and plating schemes have been used successfully with AirBorn compliant pins.