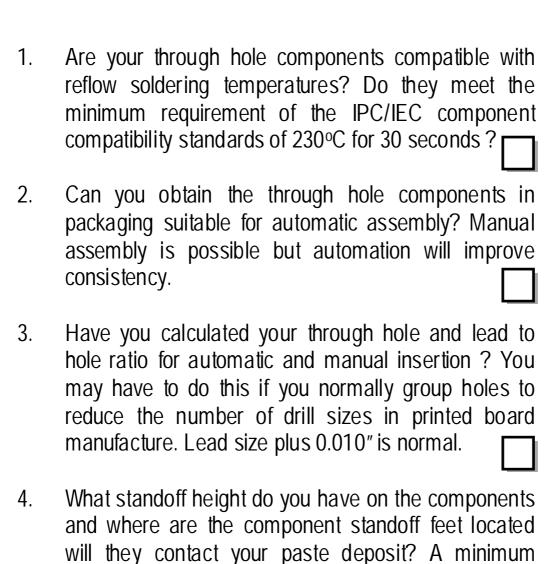
Pin In Hole/Intrusive Reflow Check List



5. Have you tested your solder resist with your solder paste during reflow, does it cause solder balling? It is often necessary to print paste on to the resist to obtain the correct volume of solder to fill the hole after

standoff height should be 0.010"

reflow.

6. Have you calculated the stencil thickness required to fill your plated through holes with solder after reflow? The following calculation will provide a basic initial guide:

Volume of Paste = (Volume of PTH - Volume of pin) x



Millis Process Guides

7.	Have you told your	stencil	manufactu	rer that the
	through hole aperture	es are	required of	n your new
	stencil? Normally we	tell the	stencil sup	plier to take
	them out, don't we?	Also h	have you	shown you
	supplier a connector?			

- Have you discussed changes to your soldering 8. standards for Pin In Hole Reflow Assembly with your quality department and your customer? You can achieve 100% fill but positive fillets are more difficult. The joints will also look different!
- Have you specified your component lead lengths and 9. can you control them? Lead length control is crucial and should ideally give a protrusion of 1-1.5mm below the board.
- Do you know how strong solder wave and hand 10. joints are? They are no different than soldered through hole reflowed joints but remember, someone will ask you!

If the answer to any of these questions is NO STOP and ask some more questions or purchase the SMART Group Pin In Hole Reflow Report, Interactive CD-ROM or video tape all produced by Bob Willis

Good luck with your Pin In Hole Reflow process



❷Bob Willis Electronic Presentations Services Internet Web Page http://www.bobwillis.co.uk

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