

Number: **6.1**Subject: **Jumper Wires**Revision: **B**

Date: 11/07

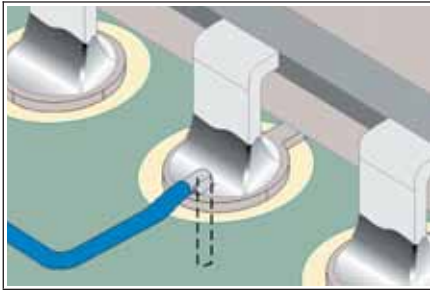
Jumper Wire Termination Figures – Through-Hole Components

Figure 7 Acceptable Wire soldered into plated-through hole, component side. *

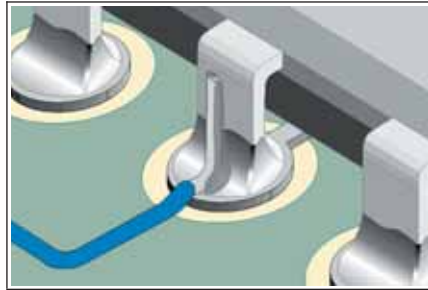


Figure 8 Acceptable Wire soldered parallel to lead on component side.

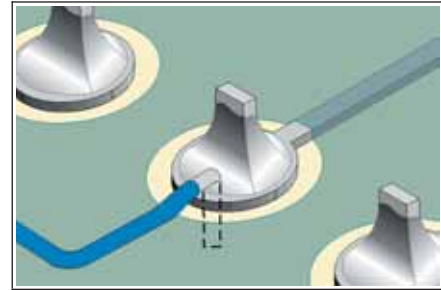


Figure 9 Acceptable Wire soldered into plated-through hole on solder side. *

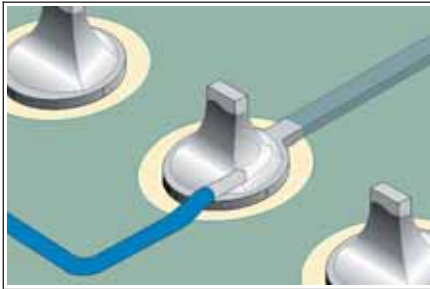


Figure 10 Acceptable Wire wrapped around component lead on solder side.

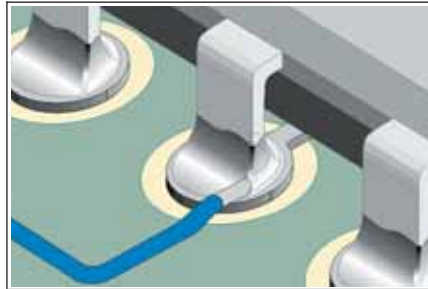


Figure 11 Acceptable Wire wrapped around lead on component side.

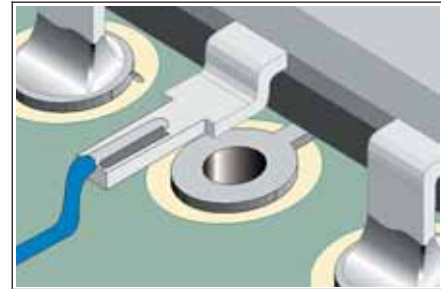


Figure 12 Acceptable Wire soldered to lifted component lead. +

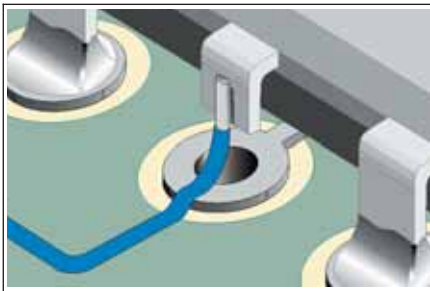


Figure 13 Acceptable Wire soldered to clipped lead on component side. +



Figure 14 Acceptable Wire looped and soldered to adjacent component leads.

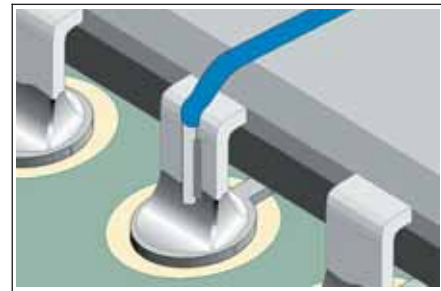


Figure 15 Not Recommended Wire soldered to lead, wire over component.

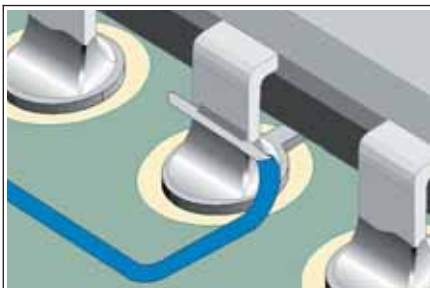


Figure 16 Not Recommended Soldered perpendicular to component lead.

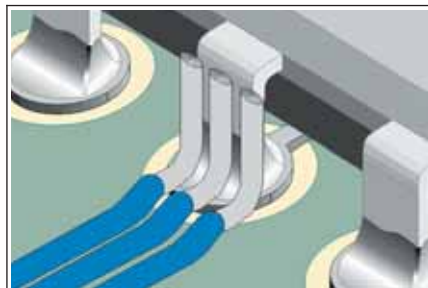


Figure 17 Not Recommended Multiple wires soldered to lead overhanging edge.

* Jumper wires soldered into plated-through holes must be discernible on the opposite side.

+ Jumper wires soldered to lifted or clipped component leads may require insulation to prevent shorting.

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Jumper Wire Termination Figures – Chip Components, Pads and Conductors

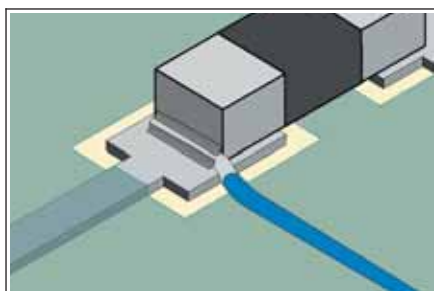


Figure 18 Acceptable Wire soldered to pad, parallel or perpendicular to component.

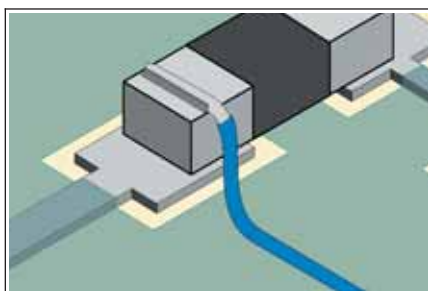


Figure 19 Not recommended Wire soldered parallel or perpendicular to component.

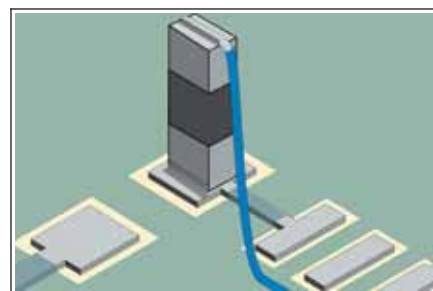


Figure 20 Acceptable Wire soldered to component end, lifted off pad.

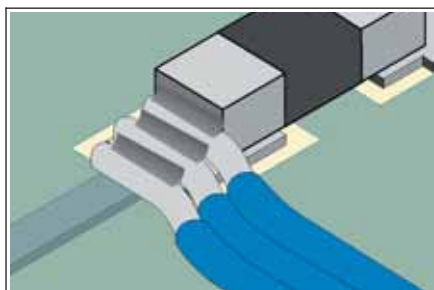


Figure 21 Not Recommended Multiple wires overhanging pad edge.

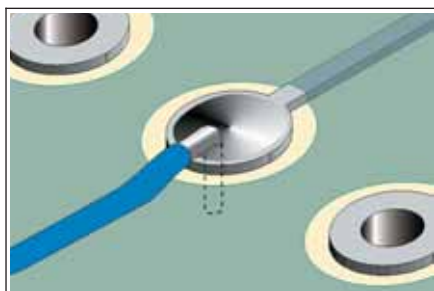


Figure 22 Acceptable Wire soldered into plated-through hole. *

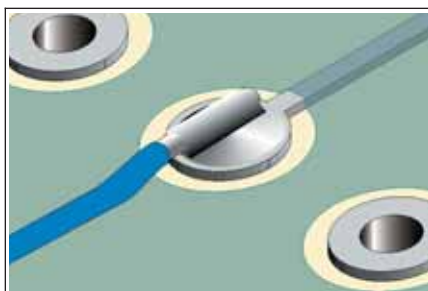


Figure 23 Acceptable Wire soldered across top of PTH pad.

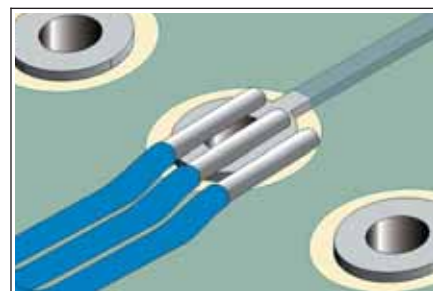


Figure 24 Not Recommended Multiple wires soldered to pad overhanging pad edge.

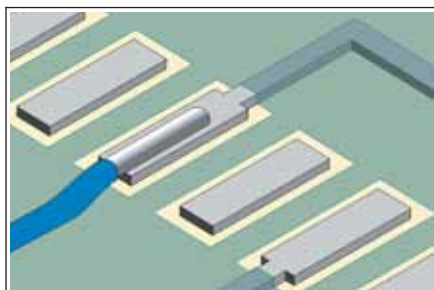


Figure 25 Acceptable Wire soldered parallel to conductor, contact, SMT pad.

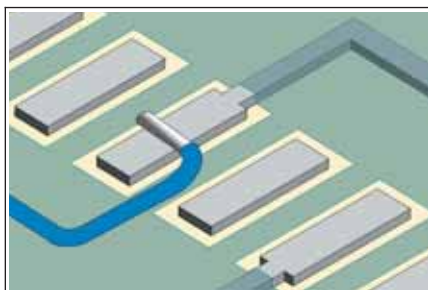


Figure 26 Not Recommended Wire perpendicular to conductor; contact, SMT pad.

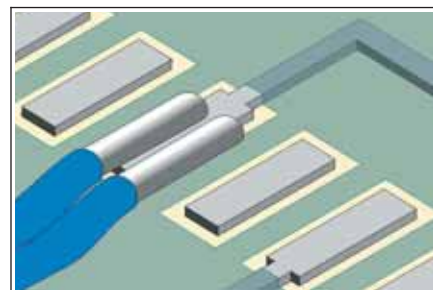


Figure 27 Not Recommended Multiple wires soldered to conductor, contact, SMT pad.

* Jumper wires soldered into plated-through holes must be discernible on the opposite side.
+ Jumper wires soldered to lifted or clipped component leads may require insulation to prevent shorting.

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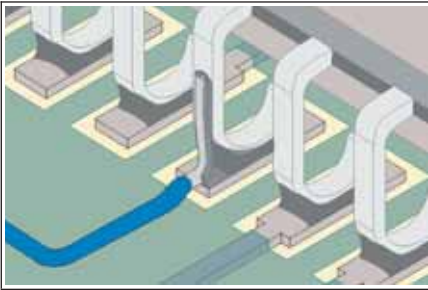
Jumper Wire Termination Figures – J Lead Components

Figure 28 Acceptable Wire soldered parallel to component lead.

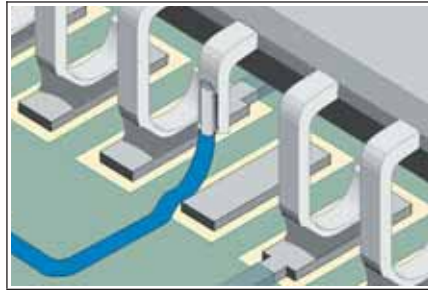


Figure 29 Acceptable Wire soldered to clipped component lead. +

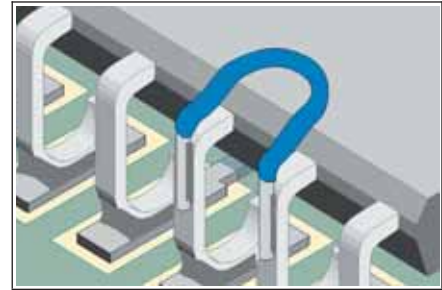


Figure 30 Acceptable Wire looped and soldered to adjacent leads.

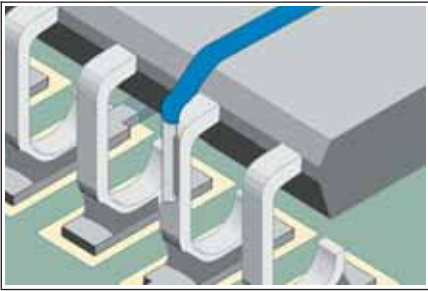


Figure 31 Not Recommended Wire soldered to lead, over component.

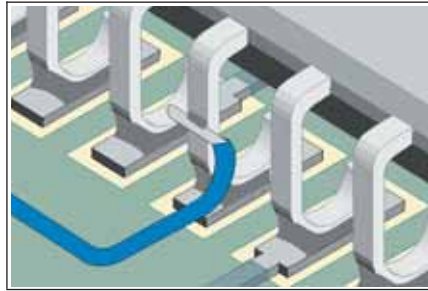


Figure 32 Not Recommended Wire soldered perpendicular to lead.

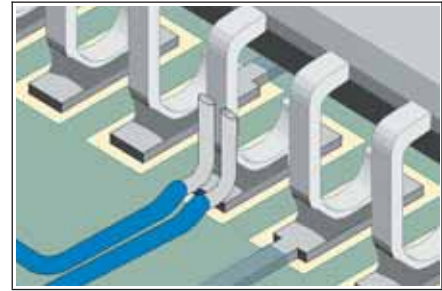


Figure 33 Not Recommended Multiple wires soldered to lead overhanging edge.



Figure 34 Not Recommended Wire soldered to lifted component lead.

* Jumper wires soldered into plated-through holes must be discernible on the opposite side.

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Jumper Wire Termination Figures – Gull Wing Components

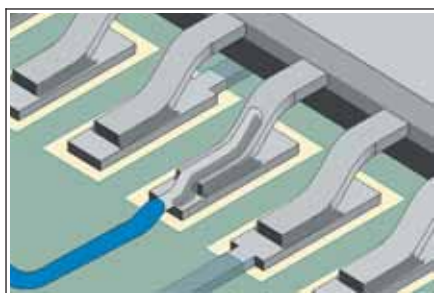


Figure 35 Acceptable Wire soldered parallel to component lead.

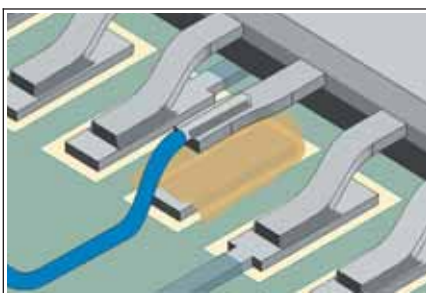


Figure 36 Acceptable Wire soldered to lifted component lead. +

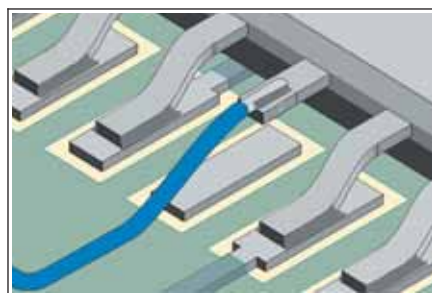


Figure 37 Acceptable Wire soldered to clipped component lead. +

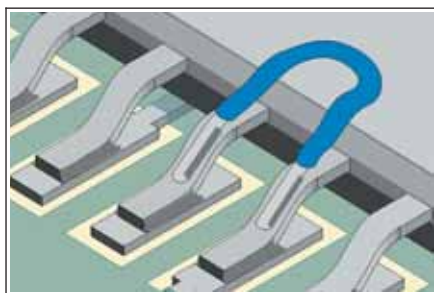


Figure 38 Acceptable Wire looped and soldered to adjacent component leads.

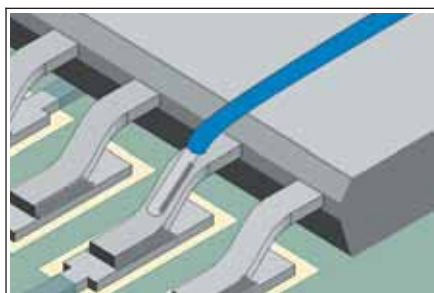


Figure 39 Not Recommended Wire soldered to component lead, wire over component.

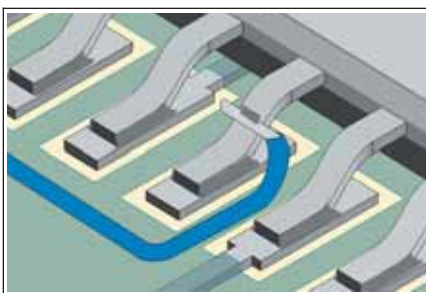


Figure 40 Not Recommended Wire soldered perpendicular to component lead.

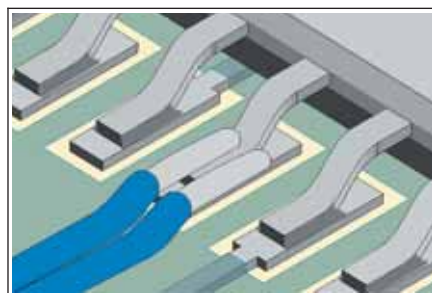
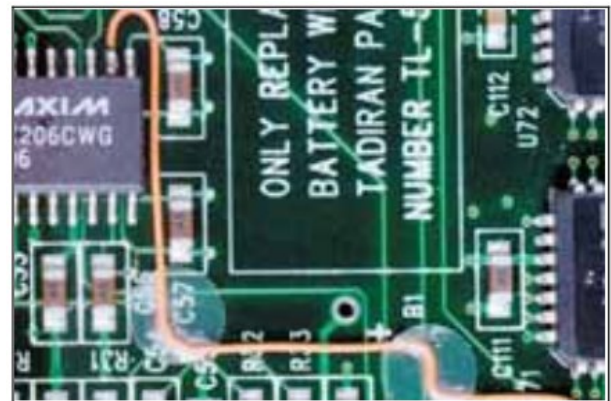
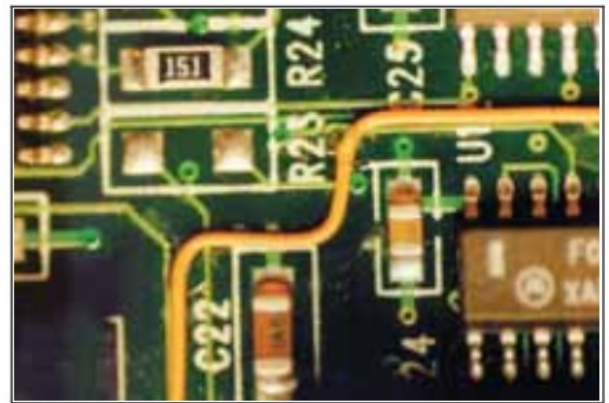
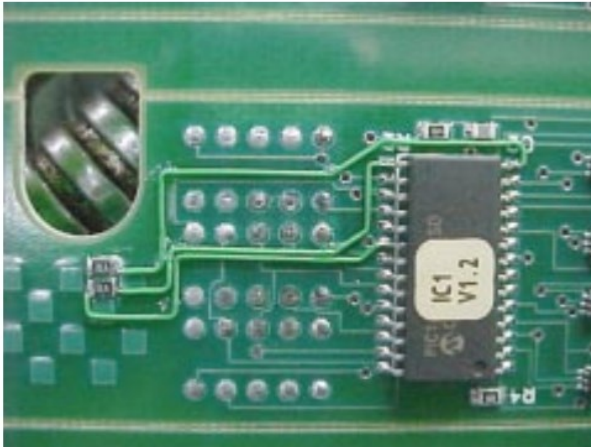


Figure 41 Not Recommended Multiple wires soldered to lead overhanging edge.

* Jumper wires soldered into plated-through holes must be discernible on the opposite side.

+ Jumper wires soldered to lifted or clipped component leads may require insulation to prevent shorting.

Recommened



Not Recommended (acceptable level 1)

