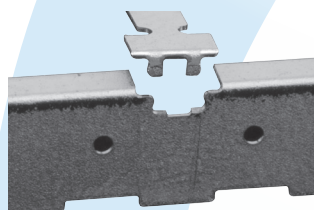
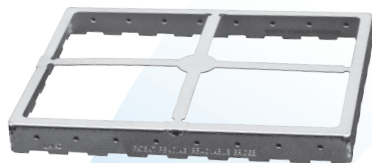


Board-Level Shield with Detachable Pickup Bridge



BOARD-LEVEL SHIELD SETS STANDARD FOR DETACHABLE PICKUP BRIDGE

The ReMovl™ brand board-level shield incorporates the ReCovr attachment mechanism applied to the pickup bridge of a BLS frame to allow for easy, tool-less detachment of the bridge after the frame is soldered to the PCB. Ease of detachment along with reliable and consistent separation force will allow for automated detachment.

Raised Pickup Bridge

Taking this technology one step further, Laird Technologies has developed a raised ReMovl™ pickup bridge option which allows for clearance above PCB components during placement and reflow. See Figure 1

This feature provides overall reduction in final Z height since the frame height after bridge detachment no longer needs to account for the component heights prior to reflow. (Difference between PCB component placement height before and after solder reflow.) See Figure 2

FEATURES

- Detachment is permanent – cannot be replaced like the pickup bridge in Laird Technologies' ReCovr™ product.
- Min. height: 2.0 mm (.080") lower heights require product development review
- Top flange width: 1.8 mm (.071")
- Flatness: Part size dependent, but typical to other frame BLS parts
- Configurations min. 4 legs/branches required (see BLS style options)
- Limitations: Must be folded or rigid corner type BLS (No fully drawn parts.)
- Pull Force (Typ) 0.5 – 1.0 lbs

MARKETS OR APPLICATIONS

- Ideal for customer manufacturing processes where post reflow detachment of the pickup bridge is required or desired. Applications that often require the pickup bridge to be detached include:
 - Inspection
 - Rework
 - Thermal Interface Material or Absorber into cover
 - Cover with contact fingers to chip, etc.
 - Noise / Vibration concerns of bridge to cover

Note: Due to delicate nature of the attachment of the pickup bridge, there will be some risk to the bridge separating during pick and place operations depending on customer manufacturing processes. Pick and place head depth tolerance (z axis) -.020"

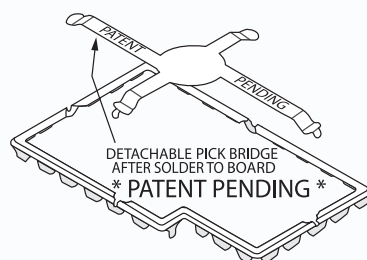


Figure 1: Raised ReMovl™ pickup bridge

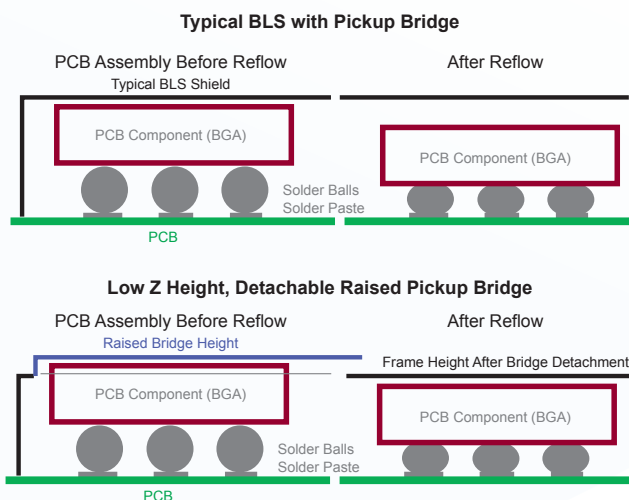


Figure 2: Reduction in height of BLS Frame due to Raised ReMovl™ Pickup Bridge

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USA: +1.866.928.8181

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401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com