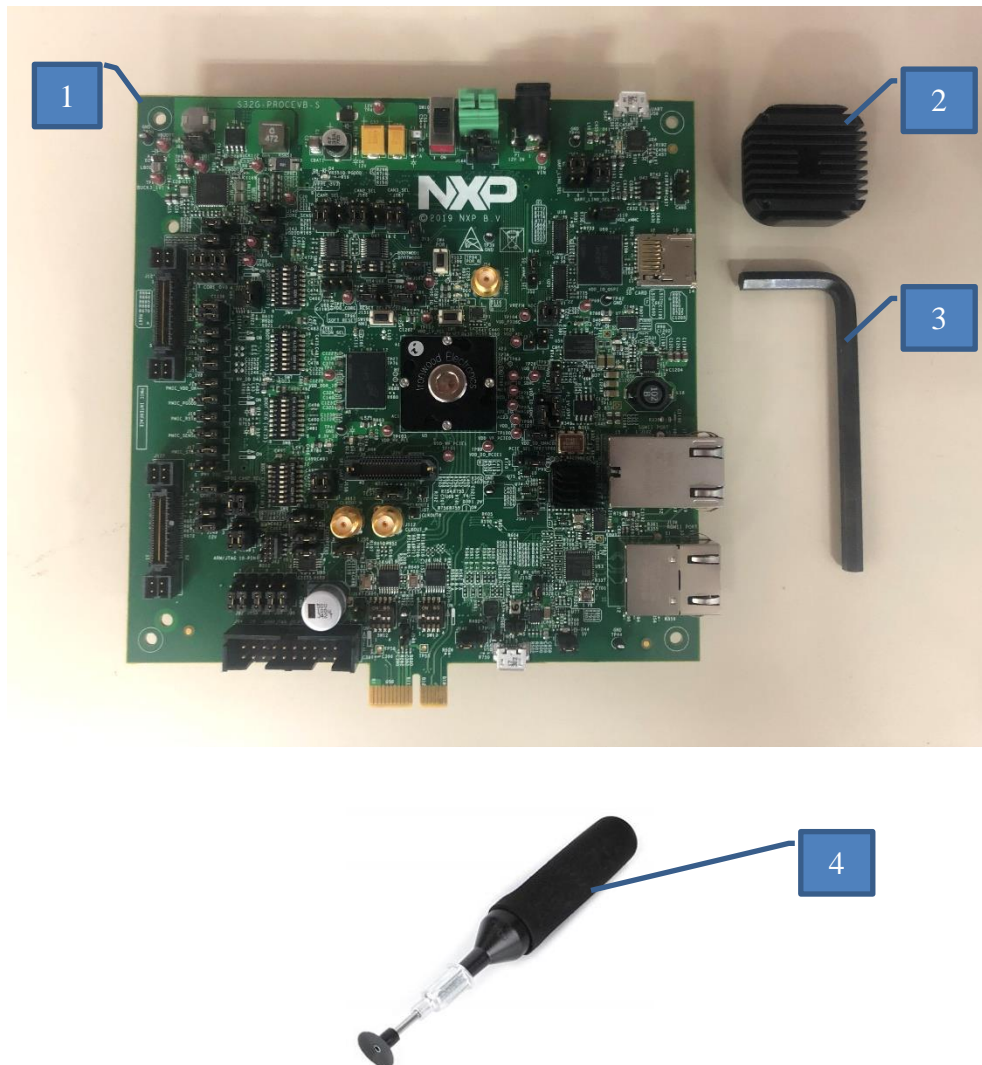




S32G SOCKET AND HEATSINK USER GUIDE

Version 2.0 – 22 Oct 2019



This document provides step-by-step instructions for the installation of the S32G device into the socket and the heatsink on top of the socket. You can watch a video of this installation process in the Getting Started [folder](#) on the S32G External Communications.

The following items are needed:

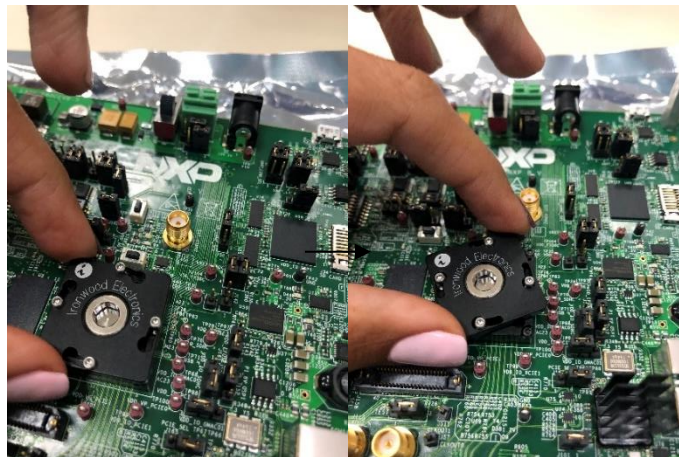
Item	Part Number	Description
1	S32G-PROCEVB-S	S32G Processor Module with Ironwood Electronics SG-BGA-6124 Socket
2	M4159	Heatsink
3	N/A	Hex Key
4	Timiy	Vacuum Pen Tool



1. Turn the socket screw to the left to loosen the top of the socket.



2. Remove the socket cover by turning it to the left and lifting up. Set it aside.





3. Use the vacuum tool to pick up and remove the compression plate from the socket and set it aside.



4. Using the vacuum tool, pick up the S32G device and place it in the socket base. Make sure that the polarity mark matches the socket polarity mark indicated by the dots.





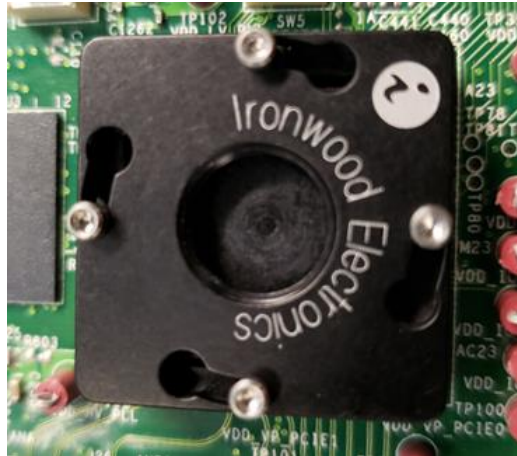
5. Remove the screw completely from the socket cover with the hex key.



6. Using the vacuum tool, install the compression plate on top of the S32G device.



7. Replace the socket cover and turn to the right to lock in place.



8. Rotate the heatsink slowly clockwise until initial contact with the compression plate, and then turn it 1/4 more turn to make good contact and not over-stress the socket.

Note: Please be careful, don't force the heatsink.



8. The installation is complete!

