|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Proprietary Statement | | **Rev.** | **Description** | | **Date** |
| THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO CYPRESS. ANY REPRODUCTION, DISCLOSURE OR USE OF THE CONTENTS OF THIS REQUIRED PRIOR WRITTEN AUTHORIZATION BY CYPRESS | | 1.0 | PROC,ASSY, CYW920820M2EVB-01  ASSEMBLY INSTRUCTIONS | | 4/15/2022 |
|  | |  |  | |  |
|  | |  |  | |  |
| **Introduction**  The CYW920820M2EVB-01 kit consists of:   * CYW9BTM2BASE1 Rev 6.1 (Baseboard) * CYW920820M2IPA1 Rev 1.1 (carrier module)   The CYW920820M2IPA1 module needs to be inserted onto into the M.2 Socket of the CYW9BTM2BASE1 board and screwed down.  **Carrier Module Serial Number sticker:**  Paste the serial number sticker for the carrier module on the bottom side of the module as shown in Figure 1  Figure 1: CYW920820M2IPA1 Board Assembly (Bottom) | | | | | |
| **Approval** | **Date** | | CY CAP LOGO-small | | |
| ORIGINATOR: SUC | 04/15/2022 | | **COMPANY CONFIDENTIAL** | | |
| APPROVED BY : |  | | **TITLE**: **CYW920820M2IPA1 Assembly Instruction** | | |
| APPROVED BY : |  | | Arena Part No: 940-xxxxx-01 | | REV. 1.0 |
|  |  | | SIZE  **A** | PAGE 1 OF 3 | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Proprietary Statement | | **Rev.** | **Description** | | **Date** |
| THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO CYPRESS. ANY REPRODUCTION, DISCLOSURE OR USE OF THE CONTENTS OF THIS REQUIRED PRIOR WRITTEN AUTHORIZATION BY CYPRESS | | 1.0 | PROC,ASSY, CYW920820M2EVB-01  ASSEMBLY INSTRUCTIONS | | 4/15/2022 |
|  | |  |  | |  |
|  | |  |  | |  |
| **Baseboard Layout**    Figure 2: CYW920819M2EVB-01 Board Assembly (Top) | | | | | |
| **Approval** | **Date** | | CY CAP LOGO-small | | |
| ORIGINATOR: SUC | 04/15/2022 | | **COMPANY CONFIDENTIAL** | | |
| APPROVED BY : |  | | **TITLE**: **CYW920820M2IPA1 Assembly Instruction** | | |
| APPROVED BY : |  | | Arena Part No: 940-xxxxx-01 | | REV. 1.0 |
|  |  | | SIZE  **A** | PAGE 2 OF 4 | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Proprietary Statement | | **Rev.** | **Description** | | **Date** |
| THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO CYPRESS. ANY REPRODUCTION, DISCLOSURE OR USE OF THE CONTENTS OF THIS REQUIRED PRIOR WRITTEN AUTHORIZATION BY CYPRESS | | 1.0 | PROC,ASSY, CYW920820M2EVB-01  ASSEMBLY INSTRUCTIONS | | 4/15/2022 |
|  | |  |  | |  |
|  | |  |  | |  |
| Figure 3: CYW920820M2EVB-01 Board Assembly (Bottom)    **Configuring the Board for Test**  There is a configuration procedure that is common to the test modes and a configuration procedure for the test. The common configuration procedure is described in common configuration.  Common Configuration:   * Install a jumper across J7, positions 2-4 * Install a jumper across J8, positions 2-4 * Install a jumper across J16, positions 2-4 * Install a jumper across J17 * Install a jumper across J18 * Install a jumper across J19 * Set the SW4 to position 1/5 * Set the SW8 to position 3/7 * Set SW15 and SW17 to position 3/6 | | | | | |
| **Approval** | **Date** | | CY CAP LOGO-small | | |
| ORIGINATOR: SUC | 04/15/2022 | | **COMPANY CONFIDENTIAL** | | |
| APPROVED BY : |  | | **TITLE**: **CYW920820M2IPA1 Assembly Instruction** | | |
| APPROVED BY : |  | | Arena Part No: 940-xxxxx-01 | | REV. **1.0** |
|  |  | | SIZE  **A** | PAGE 3 OF 4 | |
| Proprietary Statement | | **Rev.** | **Description** | | **Date** |
| THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO CYPRESS. ANY REPRODUCTION, DISCLOSURE OR USE OF THE CONTENTS OF THIS REQUIRED PRIOR WRITTEN AUTHORIZATION BY CYPRESS | | 1.0 | PROC,ASSY, CYW920820M2EVB-01  ASSEMBLY INSTRUCTIONS | | 4/15/2022 |
|  | |  |  | |  |
|  | |  |  | |  |
| **Rubber Feet installation**  Rubber feet needs to be installed on the bottom side of the board (MT1-MT4). Refer to figure 3 for the locations.  **Top/Bottom assembly label**  Refer to figure 1,2 and 3 for Top/Bottom assembly label locations  **751-90034-01 USB connector reinforcement wire instruction**  USB connector reinforcement wire needs to be soldered onto J6 as shown in the picture below. Only solder the wire to the through-hole solder points. Do not add solder onto the USB connector itself. | | | | | |
| **Approval** | **Date** | | CY CAP LOGO-small | | |
| ORIGINATOR: SUC | 04/15/2022 | | **COMPANY CONFIDENTIAL** | | |
| APPROVED BY : |  | | **TITLE**: **CYW920820M2IPA1 Assembly Instruction** | | |
| APPROVED BY : |  | | Arena Part No: 940-xxxxx-01 | | REV. **1.0** |
|  |  | | SIZE  **A** | PAGE 4 OF 4 | |