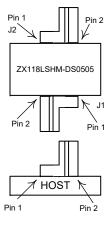


Product Name: ZX118LSHM-DS05 Samtec Breakout Adapter Rugged Hermaphroditic Razor Beam - Page 2 of 3

LSHM Hermaphroditic connector mating configuration: LSHM connector is Hermaphroditic, self mating connector series, therefore ZX118LSHM-DS05 module would be transparent to any design using LSHM -DV or -DH connector series. Please see figure 2.1 exhibiting "Mated pin configuration details". ZX118LSHM-DS05 utilizes LSHM-DH connector series where the J1 LSHM connector pin 1 is connected to the J2 LSHM connector pin 2. When the ZX118LSHM-DS05 is mated with Host & Target (Host & Target using -DV or -DH connector series), it would be transparent since the ZX118LSHM-DS05 does pin swapping between the onboard LSHM connectors. If using LSHM-RH connector series, please use figure 2.2 as reference identifying pin numbering on your host & target.

Figure 2.1: ZX118LSHM-DS05 mated pin configuration details

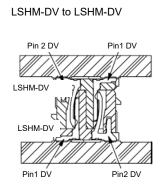


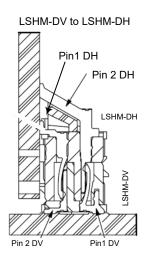
Mating configuration is with LSHM-DV on HOST

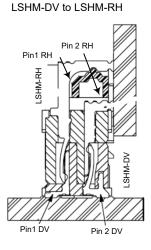
ZX118LSHM-DS05 Pin numbering: The listed Shunts pin numbering are listed as reference to the host LSHM connector. Since the ZX118LSHM-DS05 would be transparent to user (see "LSHM Hermaphroditic connector mating configuration" section above) the LSHM connector's pin numbers would be identical to the host LSHM connector pin numbers as seen from ZX118LSHM-DS05's J2 connector. Special care must be given if special rework required between the J1 & J2 LSHM connectors pins as the pin 1, 3, 5, 7, 9, .. of J1 LSHM connector are connected to pin 2, 4, 6, 8, 10, .. of the J2 LSHM connector.

Mated Pin Details: Figure 2.2 exhibits LSHM connector family mated pin interface. -DV connectors are Straight , -DH connector series are Right Angle and the -RH are Reverse Right Angle connectors. All LSHM connector series mate with each other. However; attention must be paid to pin to pin interface ensuring expected design interface configuration. Below diagrams are provided as standard pin to pin interface configuration using LSHM Hermaphroditic connector series.

Figure 2.2 – LSHM Mated Pin Details – LSHM connector formactors are: -DV Straight , -DH : Right Angle , -RH : Reverse Right Angle







ALL ZEBAX TECHNOLOGIES DESIGN SPECIFICATIONS, DRAWINGS, PUBLICATIONS, AND OTHER DOCUMENTS (TOGETHER AND SEPARATELY, "MATERIALS") ARE BEING PROVIDED "AS IS." ZEBAX MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE WITH RESPECT TO THE MATERIALS, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF NO INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE

Information furnished is believed to be accurate and reliable. However, Zebax Technologies assumes no responsibility for the consequences of use of such information or for any infringement of patents or other rights of third parties that may result from its use. Specifications mentioned in this publication are subject to change without notice. This publication replaces all other information previously supplied. Zebax Technologies products are not authorized as in life support devices or systems

ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicate

ZEBAX TECHNOLOGIES SANTA CRUZ, CA U.S.A (831) 2 2 2 - 0717

WWW.ZEBAX.COM

SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT

ASSEMBLY DRAWING

ITEM: ZX118LSHM-DS05

DESCRIPTION: Samtec rugged LSHM Hermaphroditic **Razor Beam Breakout Adapter**

CHECKED:

DRAWN: M. MAHIN

REVISSION: 1.0

KADIJEH

SHEET: 2 OF 3

В

