



Installation Guide

for

COREHB Vertical Mount Connectors

CHB-S-02-VL-XX

CHB-S-04-VL-XX

CHB-S-06-VL-XX

CHB-S-08-VL-XX

CHB-S-10-VL-XX

Note: "XX" in P/N's represents the different housing plating thicknesses (10, 30 and 50) available. This guideline is applicable to all these P/N's.

COREHC Cable assemblies

CHC-S-02-2-XX-YY-Z

CHC-S-04-2-XX-YY-Z

CHC-S-06-2-XX-YY-Z

CHC-S-08-2-XX-YY-Z

CHC-S-10-2-XX-YY-Z

Note: "XX" in P/N's represents the different types of connectors on second end (SMA, 2.92mm, 2.4mm, 1.85mm, plug and jack).

"YY" in P/N's represents the length of cables (inch).

"Z" in P/N's represents the phase matched cables (A, B, C, or D).

This guideline is applicable to all these P/N's.

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i. Revision History

REV	DATE	DESCRIPTION	PREPARED BY	APPROVED BY
NC	06/21/16	INITIAL RELEASE	H. Tran	



1. Purpose

Provide general guidelines for assembly of Connector to Printed Circuit Board, assembly of Cable Assembly onto Connector and replacement of damaged Cable.

2. Applicable Documents

OL_CHBS##VLXX	Outline and Mounting, Connector, PCB, Vertical Mount. (see note 1)
OL_CHCS##2XXYYZ	Outline and Mounting, Cable Assembly. (see note 2)

Note 1:

“##” represents number of positions (02, 04, 06, 08, or 10).

“XX” represents housing plate thickness (10, 30 and 50).

Note 2:

“##” represents number of positions (02, 04, 06, 08, or 10).

“XX” represents end connector (SMA, 2.92mm, 2.4mm, 1.85mm, plug and jack).

“YY” represents cable lengths (inch).

“Z” represents cable phase matching (A, B, C, or D).

3. Configuration

3.1. See Figures 1, 2, 3, 4, 5, 6 and 7 for representative views to illustrate Connector, cable and hardware configuration. Views are of 4 position Connector/cable.

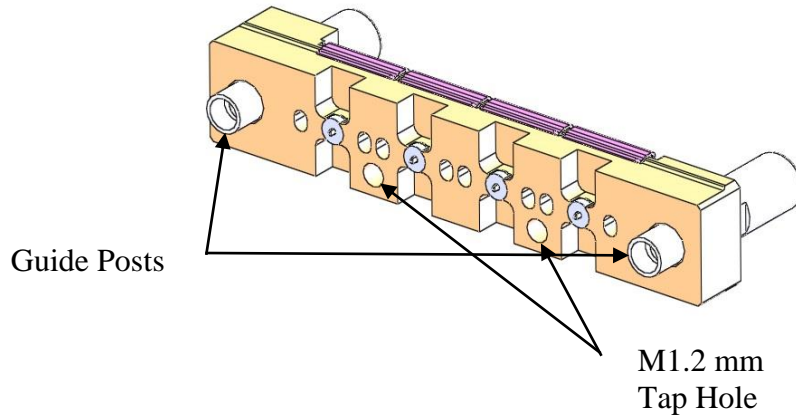


Figure 1: Connector, 4 position, mating interface

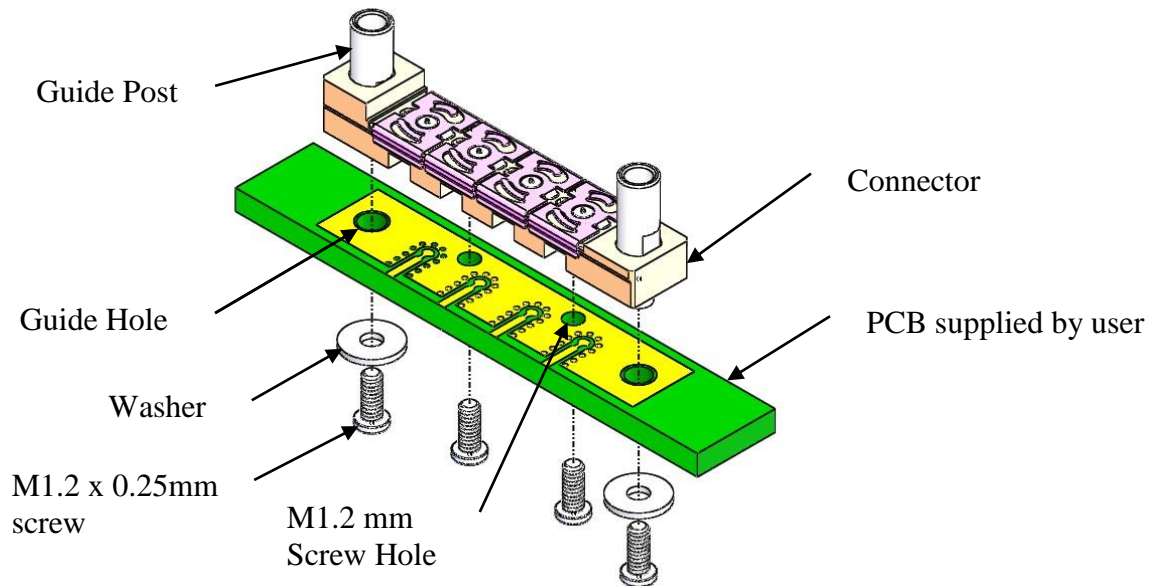


Figure 2: Connector, 4 position, top exploded view

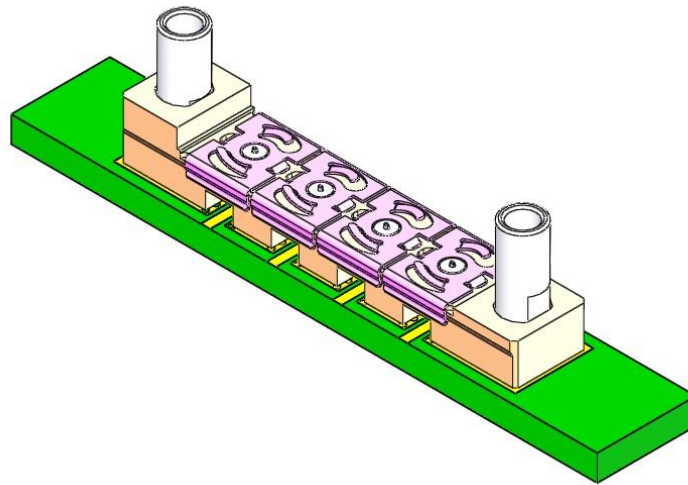


Figure 3: Connector, 4 position, top view

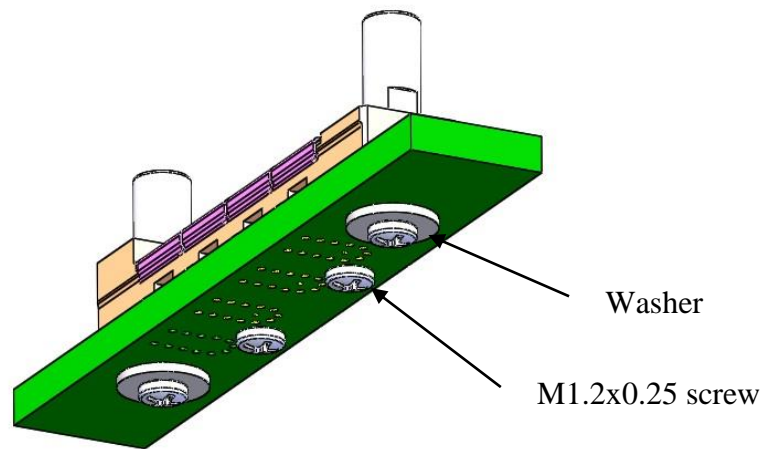


Figure 4: Connector, 4 position, bottom view

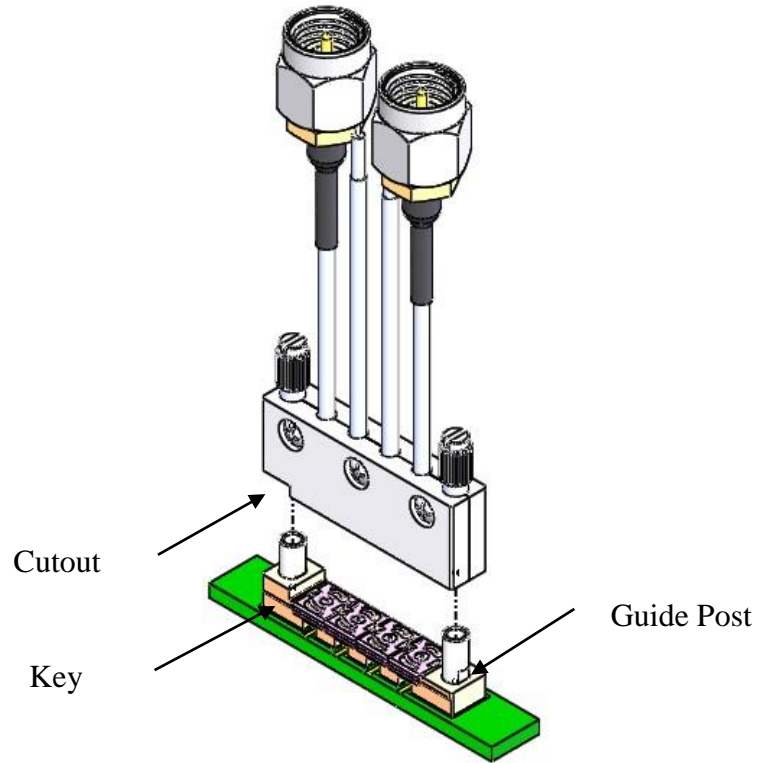


Figure 5: Connector/ Cable assembly, 4 position, Alignment

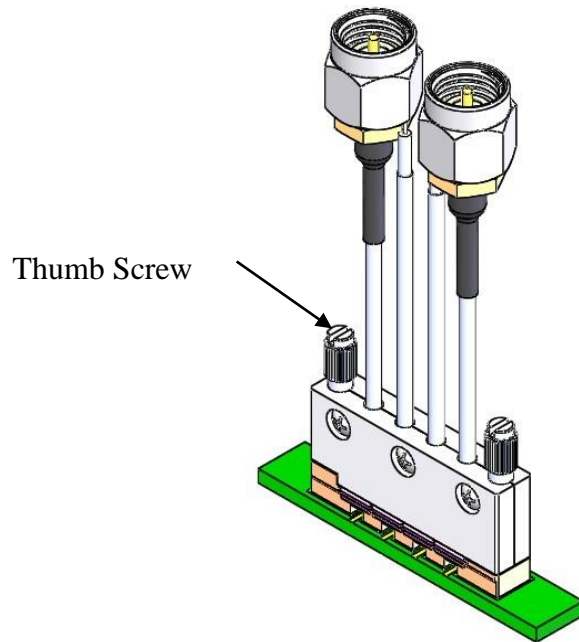


Figure 6: Connector/ Cable assembly, 4 position, Fully Assembled

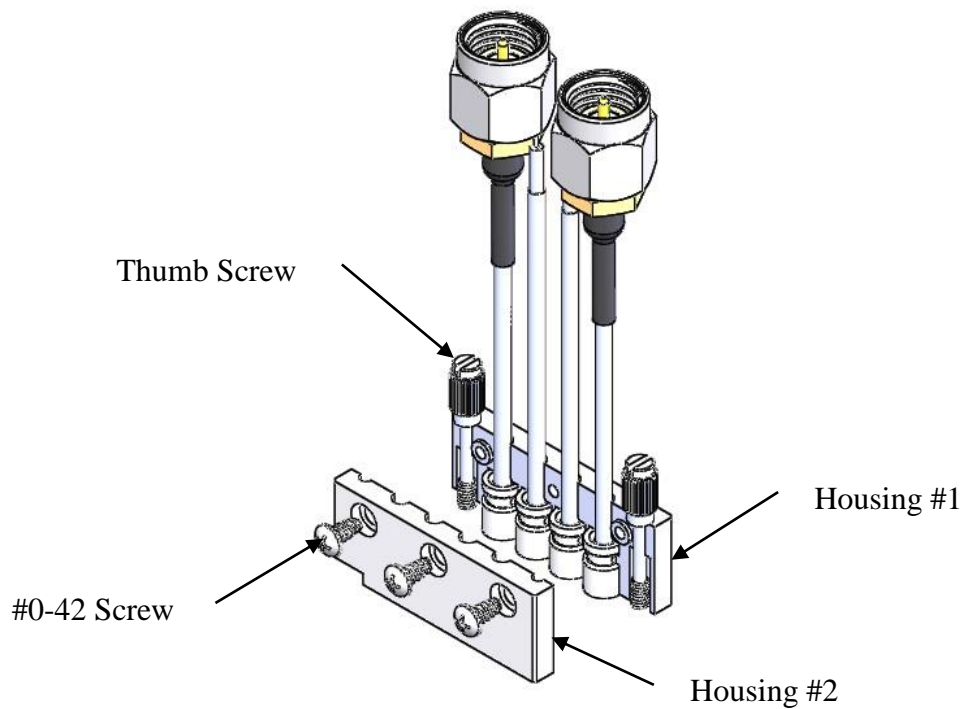


Figure 7: Cable assembly, 4 position, exploded view

4. Assembly Procedure of Connector/Cable Assembly to PCB Board.

4.1. Reference Figures 1, 2, 3, 4, 5 and 6.

4.2. Assembled Connector uses the following items:

Item	Qty	CIT PN
Connector	1	CHBS##VLXX (NOTE 1)
Cable Assembly	1	CHCS#XXYYZ (NOTE 2)
Washer M1.2	2	C6466-2
M1.2x0.25 screw	3 (2 position) 4 (4 position) 5 (6 position) 6 (8 position) 7 (10 position)	C6341-3

Note 1:

“##” represents number of positions (02, 04, 06, 08, or 10).

“XX” represents housing plate thickness (10, 30 and 50).

Note 2:

“##” represents number of positions (02, 04, 06, 08, or 10).



"XX" represents end connector (SMA, 2.92mm, 2.4mm, 1.85mm, plug and jack).
 "YY" represents cable lengths (inch).
 "Z" represents cable phase matching (A, B, C, or D).

4.3. Tools and Equipment Required:
 Driver, Phillips Style, Size #0

4.4. Ensure the guide holes and screw holes orientation prior place connector on the board (Figure 1 & 2).

4.5. Verify connector is flat on the board (Figure 3).

4.6. Tighten two M1.2 screws with flat washer onto the guide posts until the connector is secure (Figure 4).
 Recommended torque is 5.2 in-oz.

Note: Torque amount may vary depending on PCB material.

4.7. Tighten remaining M1.2 screws required on the connector (Figure 4).

4.8. Ensure the orientation of the cable assembly and the connector prior sliding cable assembly over the guide post (Figure 5).

4.9. Tighten two thumb screws #4-40 (Figure 6).

5. Procedure for replacing damaged cable in Cable Assembly

5.1. Reference Figures 7.

5.2. Assembled Connector uses the following items:

Item	Qty	CIT PN
Cable	Replaced in pairs	1-XX-H0-047-H-Y-ZZ (see note 1)
Cable Housing	1	CHCS##000000 (see note 2)

Note 1:

"XX" represents end connector (SMA, 2.92mm, 2.4mm, 1.85mm, plug and jack).

"Y" represents cable phase matching (A, B, C, or D).

"ZZ" represents cable lengths (inch).

Note 2:

"##" represents number of positions (02, 04, 06, 08, or 10).



- 5.3. Tools and Equipment Required:
Driver, Phillips Style, Size #0
- 5.4. Cables are phase matched in pairs, therefore identify the matched pair with the damaged cable.
- 5.5. Identify the pair to be replaced by marking or label.
- 5.6. Place Cable Assembly with Housing#1 against flat surface.
- 5.7. Remove #0-42 Screws and store.
- 5.8. Held Housing#1 firmly against surface, remove Housing#2 minimizing disturbance of Cables seated in Housing#1.
- 5.9. Remove damaged Cable pair.
- 5.10. Align new Cables, orienting Cable connector groove into slot of Housing#1.
- 5.11. Place and align Housing#2 onto Housing#1. Verify Cables are not pinched.
- 5.12. Tighten #0-42 screws into Housing#1.
- 5.13. Torque each screw alternating from the center out to 4.1 in-oz, if required.
- 5.14. Replaced cable is complete.