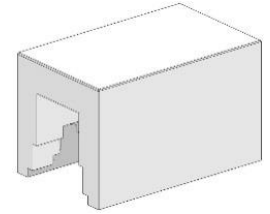


Order Number
200214-1112



Application Tooling Specification

FEATURES

- Lightweight tool used in the insertion of QSFP-DD and BiPass cages in a PCB
- Inserts connector into a PCB without damaging the board

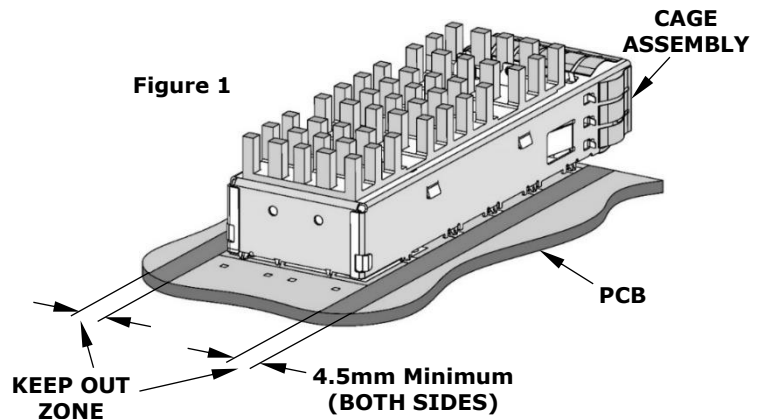
SCOPE

Products: Small Form-Factor Pluggable QSFP-DD and BiPass 1-by-1 Cages with Press-Fit PC Tails.

| Connector Series No. | Connector Order No. | | | | | | |
|----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 111131 | 111131-1911 | 111131-1912 | 111131-1913 | 111131-1914 | 111131-1915 | 111131-1920 | |
| | 111131-1921 | 111131-1922 | 111131-1923 | 111131-1924 | 111131-1930 | 111131-1931 | |
| | 111131-1932 | 111131-1933 | 111131-1934 | 111131-1940 | 111131-1941 | 111131-1942 | |
| | 111131-1943 | 111131-1944 | | | | | |
| | | | | | | | |
| 203143 | 203143-1231 | 203143-1232 | 203143-1233 | 203143-1234 | 203143-1235 | 203143-1236 | |
| | 203143-1240 | 203143-1242 | 203143-1243 | 203143-1244 | 203143-1250 | 203143-1252 | |
| | 203143-1253 | 203143-1254 | 203143-1255 | 203143-1256 | 203143-1340 | 203143-1341 | |
| | 203143-1342 | 203143-1343 | 203143-1344 | 203143-1345 | 203143-1346 | 203143-1347 | |
| | 203143-1348 | 203143-1349 | 203143-1350 | 203143-1351 | 203143-1352 | 203143-1353 | |
| | 203143-1354 | 203143-1355 | 203143-1356 | 203143-1357 | 203143-1440 | 203143-1441 | |
| | 203143-1442 | 203143-1443 | 203143-1444 | 203143-1445 | 203143-1446 | 203143-1447 | |
| | 203143-1448 | 203143-1540 | 203143-1541 | 203143-1542 | 203143-1543 | 203143-1544 | |
| | 203143-1545 | 203143-1546 | 203143-1547 | 203143-1548 | 203143-1640 | 203143-1641 | |
| | 203143-1642 | 203143-1643 | 203143-1644 | 203143-1645 | 203143-1646 | 203143-1647 | |
| | 203143-1648 | 203143-1927 | 203143-1937 | 203143-1940 | | | |
| | 204427 | 204427-1001 | 204427-1002 | 204427-3001 | 204427-3002 | 204427-3901 | |
| | 206358 | 206358-1001 | 206358-1002 | 206358-1003 | 206358-1004 | 206358-1005 | 206358-1006 |
| 206358-1007 | | 206358-1501 | 206358-1502 | 206358-1503 | 206358-1504 | 206358-1505 | |
| 206358-1506 | | 206358-1507 | | | | | |
| 207364 | 207364-1100 | 207364-1200 | 207364-1300 | | | | |
| 208426 | 208426-1001 | 208426-1002 | 208426-1003 | 208426-1004 | 208426-1005 | 208426-1006 | |
| | 208426-1007 | 208426-1501 | 208426-1502 | 208426-1503 | 208426-1504 | 208426-1505 | |
| | 208426-1506 | 208426-1507 | 208426-9100 | | | | |
| 208473 | 208473-1001 | 208473-1002 | 208473-1003 | 208473-1004 | 208473-1005 | 208473-1006 | |
| | 208473-1007 | 208473-1501 | 208473-1502 | 208473-1503 | 208473-1504 | 208473-1505 | |
| | 208473-1506 | 208473-1507 | 208473-8000 | | | | |
| 209351 | 209351-1001 | 209351-1002 | 209351-1003 | 209351-1004 | 209351-1005 | 209351-1006 | |
| | 209351-1007 | 209351-1501 | 209351-1502 | 209351-1503 | 209351-1504 | 209351-1505 | |
| | 209351-1506 | 209351-1507 | | | | | |

Notes

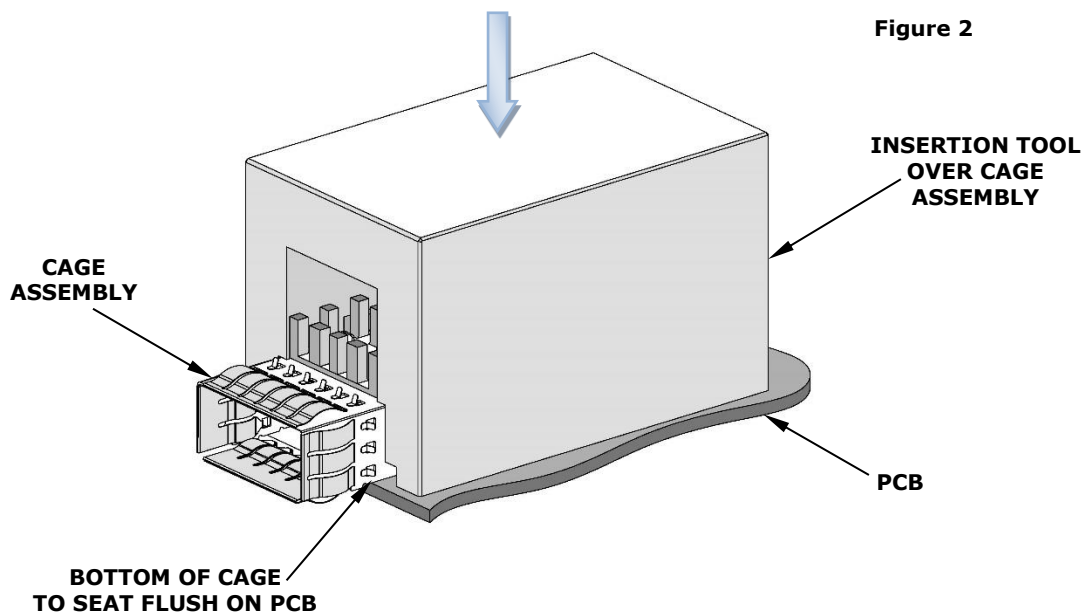
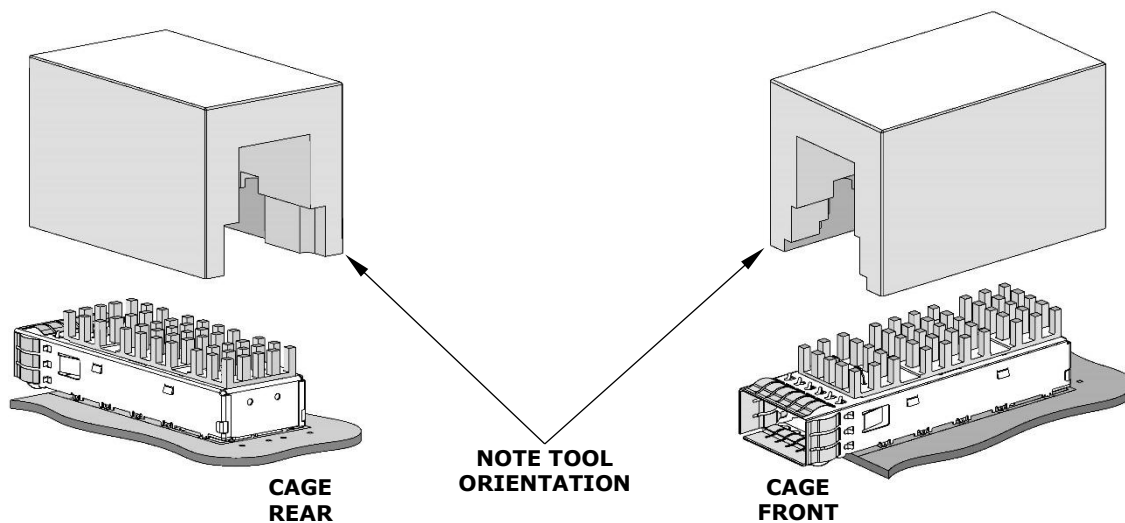
1. See the following page for tooling operation instructions.
2. This tool requires a "Keep Out Zone" to be free of components. The tool overhangs the rear of the cage to allow for light pipe options. The right and left sides should be at least 4.5mm (.18"). See Figure 1.



OPERATION

1. By hand, place a cage assembly on the PCB. Make sure all compliant tails are engaged in PCB holes.
2. Place the tool on the cage assembly, oriented as shown in Figure 2.
3. Place the tool, cage and PCB in a press of suitable size and force, and seat the cage as shown. The PCB support (not furnished by Molex) must have clearance for the connector pins if they pass through the PCB.

Note: This insertion tool does not contact the PCB when the connector is fully seated.



Application Tooling Support

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