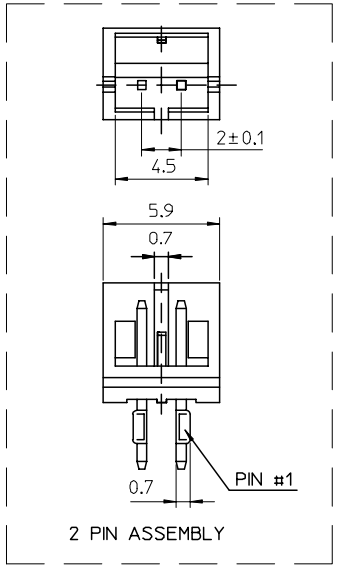
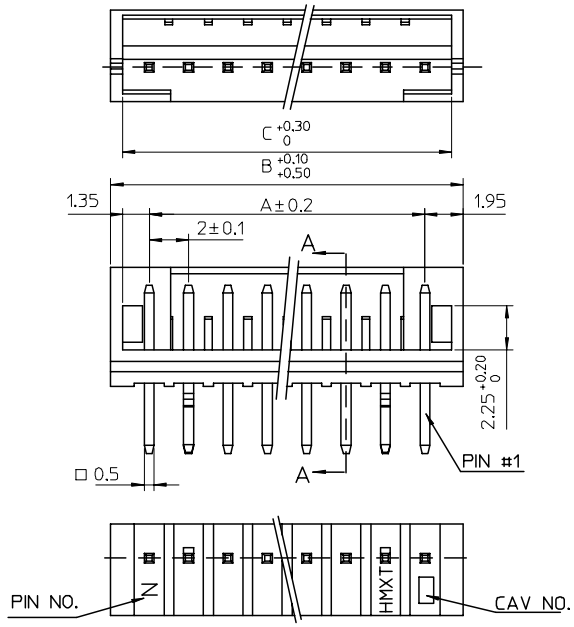
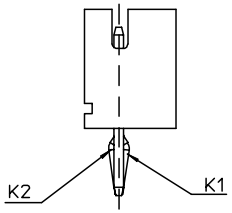
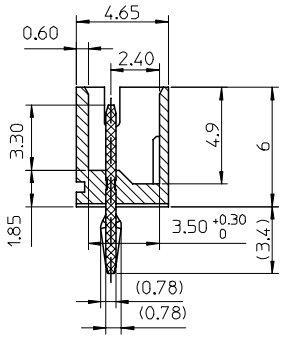
| CIRCUITS | WHITE | BLACK | RED | BLUE | YELLOW | GREEN | DIM A | DIM B | DIM C | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MOLEX P/N | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 48107-1610 | 48107-1611 | 48107-1612 | 48107-1613 | 48107-1614 | 48107-1615 | 30.00 | 33.90 | 32.60 | O | K1 | O | O | O | O | O | K2 | O | O | O | O | O | O | K1 | O |
| 15 | 48107-1510 | 48107-1511 | 48107-1512 | 48107-1513 | 48107-1514 | 48107-1515 | 28.00 | 31.90 | 30.60 | | O | K1 | O | O | O | O | O | K2 | O | O | O | O | O | K1 | O |
| 14 | 48107-1410 | 48107-1411 | 48107-1412 | 48107-1413 | 48107-1414 | 48107-1415 | 26.00 | 29.90 | 28.60 | | | O | K1 | O | O | O | O | K2 | O | O | O | O | O | K1 | O |
| 13 | 48107-1310 | 48107-1311 | 48107-1312 | 48107-1313 | 48107-1314 | 48107-1315 | 24.00 | 27.90 | 26.60 | | | | O | K1 | O | O | O | O | K2 | O | O | O | O | K1 | O |
| 12 | 48107-1210 | 48107-1211 | 48107-1212 | 48107-1213 | 48107-1214 | 48107-1215 | 22.00 | 25.90 | 24.60 | | | | | O | K1 | O | O | O | K2 | O | O | O | O | K1 | O |
| 11 | 48107-1110 | 48107-1111 | 48107-1112 | 48107-1113 | 48107-1114 | 48107-1115 | 20.00 | 23.90 | 22.60 | | | | | | O | K1 | O | O | O | K2 | O | O | O | K1 | O |
| 10 | 48107-1010 | 48107-1011 | 48107-1012 | 48107-1013 | 48107-1014 | 48107-1015 | 18.00 | 21.90 | 20.60 | | | | | | | O | K1 | O | O | K2 | O | O | O | K1 | O |
| 9 | 48107-0910 | 48107-0911 | 48107-0912 | 48107-0913 | 48107-0914 | 48107-0915 | 16.00 | 19.90 | 18.60 | | | | | | | | O | K1 | O | O | O | O | O | K1 | O |
| 8 | 48107-0810 | 48107-0811 | 48107-0812 | 48107-0813 | 48107-0814 | 48107-0815 | 14.00 | 17.90 | 16.60 | | | | | | | | | O | K1 | O | O | O | O | K1 | O |
| 7 | 48107-0710 | 48107-0711 | 48107-0712 | 48107-0713 | 48107-0714 | 48107-0715 | 12.00 | 15.90 | 14.60 | | | | | | | | | | O | K1 | O | O | O | K1 | O |
| 6 | 48107-0610 | 48107-0611 | 48107-0612 | 48107-0613 | 48107-0614 | 48107-0615 | 10.00 | 13.90 | 12.60 | | | | | | | | | | | O | K1 | O | O | K1 | O |
| 5 | 48107-0510 | 48107-0511 | 48107-0512 | 48107-0513 | 48107-0514 | 48107-0515 | 8.00 | 11.90 | 10.60 | | | | | | | | | | | | K1 | O | O | O | K1 |
| 4 | 48107-0410 | 48107-0411 | 48107-0412 | 48107-0413 | 48107-0414 | 48107-0415 | 6.00 | 9.90 | 8.60 | | | | | | | | | | | | | K1 | O | O | K1 |
| 3 | 48107-0310 | 48107-0311 | 48107-0312 | 48107-0313 | 48107-0314 | 48107-0315 | 4.00 | 7.90 | 6.60 | | | | | | | | | | | | | | K1 | O | K1 |
| 2 | 48107-0210 | 48107-0211 | 48107-0212 | 48107-0213 | 48107-0214 | 48107-0215 | 2.00 | 5.90 | 4.60 | | | | | | | | | | | | | | | K1 | K1 |



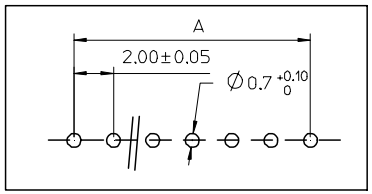

2 PIN ASSEMBLY




SECTION A-A




RECOMMENDED PCB LAYOUT

△C PCB THICKNESS: 1.60±0.05 MM

NOTES:

△B 1.MATERIAL:
HOUSING: NYLON 66, UL94V-0, COLOR: SEE TABLE.
CONTACT: BRASS .

△B 2.PLATING:
2um (MIN.) Ni UNDERPLATE ALL OVER, 2um~3um TIN ALL OVER.

3.SPECIFICATIONS:
CURRENT PATING: 100 V DC/AC, 2.0 A.
DIELECTRIC WITHSTANDING STRENGTH: 800 V AC FOR 1 MIN.

4.PACKAGE : REFER TO PK-48107-001

5.PRODUCT SPEC: REFER TO PS-48107-001.

6.TEST SUMMARY: REFER TO TS-48107-001.

7.MATE WITH HOUSING 48106 SERIES, TERMINAL 48105 SERIES.

| REV | DESCRIPTION | EC NO: SH2006-0795 | DRWN:EKA001 | CHKD: | APPR:WMSCHANG |
|---|---|---|---|---|---|
| C | REVISED | | 2006/06/08 | 2006/06/08 | 2006/06/08 |

QUALITY SYMBOLS
▼=0
△C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.25 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | JG.WEN | 2004/02/26 |
| CHECKED BY | SAM SHIN | 2004/02/26 |
| APPROVED BY | WILSON | 2004/02/26 |

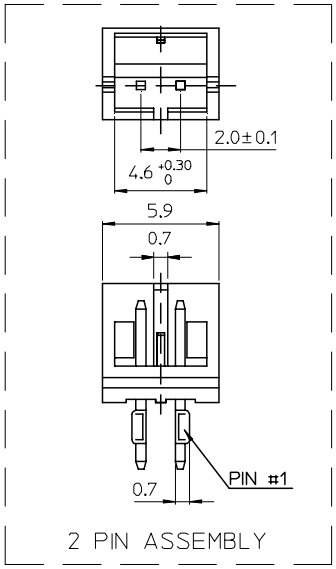
TITLE: 2.0 MM PITCH WIRE TO BOARD HEAD ASSEMBLY ( VERTICAL TYPE)

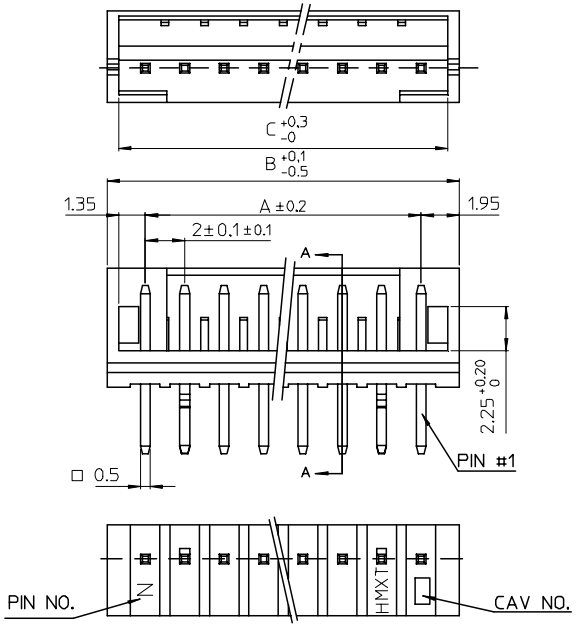
molex MOLEX INCORPORATED

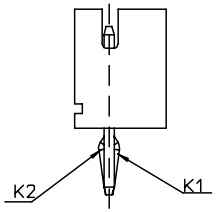
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-48107-001
SHEET NO.: 1 OF 1
SIZE: A3

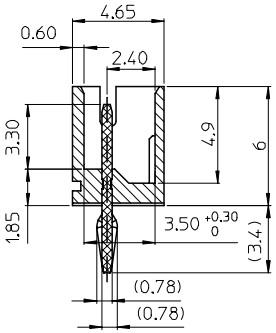
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| CIRCUITS | WHITE | BLACK | RED | BLUE | YELLOW | GREEN | DIM A | DIM B | DIM C | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MOLEX P/N | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 48107-1620 | 48107-1621 | 48107-1622 | 48107-1623 | 48107-1624 | 48107-1625 | 30.00 | 33.90 | 32.60 | O | K1 | O | O | O | O | O | K2 | O | O | O | O | O | O | K1 | O |
| 15 | 48107-1520 | 48107-1521 | 48107-1522 | 48107-1523 | 48107-1524 | 48107-1525 | 28.00 | 31.90 | 30.60 | | O | K1 | O | O | O | O | O | K2 | O | O | O | O | O | K1 | O |
| 14 | 48107-1420 | 48107-1421 | 48107-1422 | 48107-1423 | 48107-1424 | 48107-1425 | 26.00 | 29.90 | 28.60 | | | O | K1 | O | O | O | O | K2 | O | O | O | O | O | K1 | O |
| 13 | 48107-1320 | 48107-1321 | 48107-1322 | 48107-1323 | 48107-1324 | 48107-1325 | 24.00 | 27.90 | 26.60 | | | | O | K1 | O | O | O | O | K2 | O | O | O | O | K1 | O |
| 12 | 48107-1220 | 48107-1221 | 48107-1222 | 48107-1223 | 48107-1224 | 48107-1225 | 22.00 | 25.90 | 24.60 | | | | | O | K1 | O | O | O | K2 | O | O | O | O | K1 | O |
| 11 | 48107-1120 | 48107-1121 | 48107-1122 | 48107-1123 | 48107-1124 | 48107-1125 | 20.00 | 23.90 | 22.60 | | | | | | O | K1 | O | O | O | K2 | O | O | O | K1 | O |
| 10 | 48107-1020 | 48107-1021 | 48107-1022 | 48107-1023 | 48107-1024 | 48107-1025 | 18.00 | 21.90 | 20.60 | | | | | | | O | K1 | O | O | K2 | O | O | O | K1 | O |
| 9 | 48107-0920 | 48107-0921 | 48107-0922 | 48107-0923 | 48107-0924 | 48107-0925 | 16.00 | 19.90 | 18.60 | | | | | | | | O | K1 | O | O | O | O | O | K1 | O |
| 8 | 48107-0820 | 48107-0821 | 48107-0822 | 48107-0823 | 48107-0824 | 48107-0825 | 14.00 | 17.90 | 16.60 | | | | | | | | | O | K1 | O | O | O | O | K1 | O |
| 7 | 48107-0720 | 48107-0721 | 48107-0722 | 48107-0723 | 48107-0724 | 48107-0725 | 12.00 | 15.90 | 14.60 | | | | | | | | | | O | K1 | O | O | O | K1 | O |
| 6 | 48107-0620 | 48107-0621 | 48107-0622 | 48107-0623 | 48107-0624 | 48107-0625 | 10.00 | 13.90 | 12.60 | | | | | | | | | | | O | K1 | O | O | K1 | O |
| 5 | 48107-0520 | 48107-0521 | 48107-0522 | 48107-0523 | 48107-0524 | 48107-0525 | 8.00 | 11.90 | 10.60 | | | | | | | | | | | | K1 | O | O | O | K1 |
| 4 | 48107-0420 | 48107-0421 | 48107-0422 | 48107-0423 | 48107-0424 | 48107-0425 | 6.00 | 9.90 | 8.60 | | | | | | | | | | | | | K1 | O | O | K1 |
| 3 | 48107-0320 | 48107-0321 | 48107-0322 | 48107-0323 | 48107-0324 | 48107-0325 | 4.00 | 7.90 | 6.60 | | | | | | | | | | | | | | K1 | O | K1 |
| 2 | 48107-0220 | 48107-0221 | 48107-0222 | 48107-0223 | 48107-0224 | 48107-0225 | 2.00 | 5.90 | 4.60 | | | | | | | | | | | | | | | K1 | K1 |

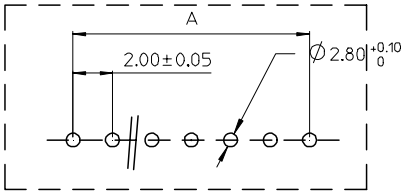



SECTION A-A




RECOMMENDED PCB LAYOUT

(C) PCB THICKNESS: 1.60±0.05 MM

NOTES:
1.MATERIAL:
HOUSING: NYLON 66, GLASS FILLED UL94V-0, COLOR: SEE TABLE.
CONTACT: BRASS .
(6) 2.PLATING:
2um (MIN.) Ni UNDERPLATE ALL OVER,2um~3um Sn ALL OVER.
3.SPECIFICATIONS:
CURRENT PATING: 100 V DC/AC, 2.0 A.
DIELECTRIC WITHSTANDING STRENGTH: 800 V AC FOR 1 MIN.
4.PACKAGE : REFER TO PK-48107-002
5.PRODUCT SPEC: REFER TO PS-48107-002.
6.TEST SUMMARY: REFER TO TS-48107-002.
7.MATE WITH HOUSING 48106 SERIES, TERMINAL 48105 SERIES.

| REV | DESCRIPTION |
|---|---|
| | REVISED |
| | EC NO: SH2006-0795 2006/06/08 |
| | DRWN:EKA001 2006/06/08 |
| | CHKD: 2006/06/08 |
| | APPR:WMSCHANG 2006/06/08 |

QUALITY SYMBOLS
▼=0
(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.25 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | |
|---|---|---|
| DRAWN BY: JG.WEN | DATE: 2004/05/06 | TITLE: 2.0 MM PITCH WIRE TO BOARD HEAD ASSEMBLY (VERTICAL TYPE) |
| CHECKED BY: SAM SHIN | DATE: 2004/05/06 | |
| APPROVED BY: WILSON | DATE: 2004/05/06 | molex MOLEX INCORPORATED |
| MATERIAL NO.: SEE TABLE | | DOCUMENT NO.: SD-48107-002 — SHEET NO.: 1 OF 1 |

SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION