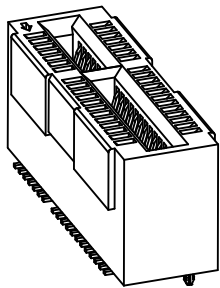


SECTION A-A



WITHOUT CAP

NOTES:

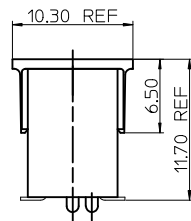
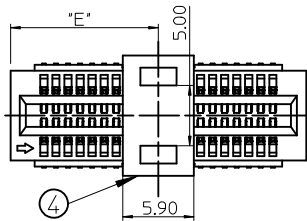
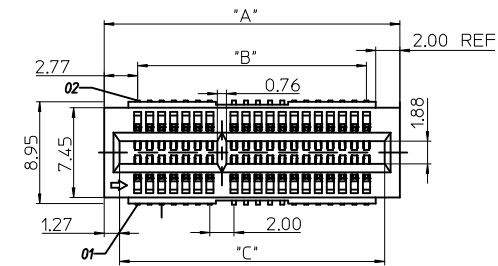
1. MATERIAL:
 - ① HOUSING: NYLON, GLASS FIBER FILLED UL 94V-0, COLOR: BLACK
 - ② TERMINAL: PHOSPHOR BROZNE.
 - ③ FORKLOCK: BRASS.
 - ④ CAP: NYLON, GLASS FIBER FILLED UL 94V-0, COLOR: BLACK
2. PLATING:
 - TERMINAL : SELECTIVE GOLD IN CONTACT AREA, THICKNESS = 15 MICROINCH MIN. SELECTIVE TIN IN SOLDER AREA, THICKNESS = 100 MICROINCH MIN. OVERALL NICKEL.
 - FORKLOCK : NICKEL OVERALL, THICKNESS = 50 MICROINCH MIN.
3. PRODUCT SPECIFICATION: REFER TO PS-48193-001
4. PACKAGING SPECIFICATION: REFER TO PK-48193-001
5. TEST SUMMARY:REFER TO TS-48193-001
6. COPLANARITY TO BE 0.1MAX BEFORE I.R REFLOW.
7. LEAD FREE AND ROHS COMPLIANCE PRODUCT.
8. DATE CODE:XX(YY),XX(WW),X(LOCATION).

| PART NO. | CIRCUIT SIZE | "A" | "B" | "C" | "D" | REMARK |
|------------|--------------|-------|-------|-------|-------|-------------|
| 48193-1000 | 78 CKT | 44.54 | 39.00 | 42.00 | 43.25 | WITHOUT CAP |
| 48193-2000 | 116 CKT | 64.54 | 59.00 | 62.00 | 63.25 | |

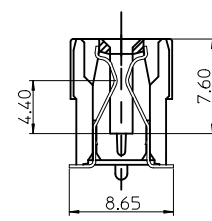
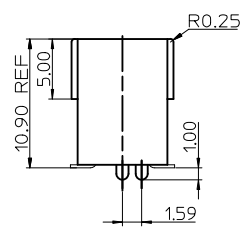
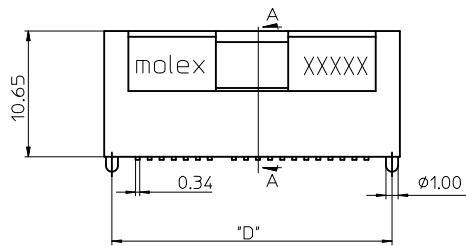
| | | | | | | | | | | |
|---|--------------------|-------------------------------|---------------------------------------|----------------------|---|------------|--|------------------------|---|--|
| EWR 2008-0042 EC NO: SH2011-0312 DRAWN:CD CHKD: APPR:RZHANG 2011/03/18 2011/04/28 | DESCRIPTION REV | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | | mm | INCH | DRAWN BY | DATE | TITLE 1.0 PITCH EDGE CARD VERTICAL SMT CONNECTOR | | | |
| | | | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± --- | TOM | 2004/09/02 | | | | |
| | | | ANGULAR ± 3 ° | | MATERIAL NO. | | SEE TABLE | | MOLEX MOLEX INCORPORATED DOCUMENT NO. SD-48193-001 SHEET NO. 1 OF 4 | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |

7 6 5 4 3 2 1

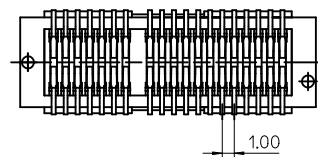
E



D



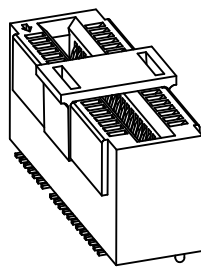
C



B

| PART NO. | CIRCUIT SIZE | "A" | "B" | "C" | "D" | "E REF" | REMARK |
|------------|--------------|-------|-------|-------|-------|---------|----------|
| 48193-1100 | 78 CKT | 44.54 | 39.00 | 42.00 | 43.25 | 22.27 | WITH CAP |
| 48193-2100 | 116 CKT | 64.54 | 59.00 | 62.00 | 63.25 | 32.27 | |
| 48193-3100 | 136 CKT | 74.54 | 69.00 | 72.00 | 73.25 | 37.27 | |

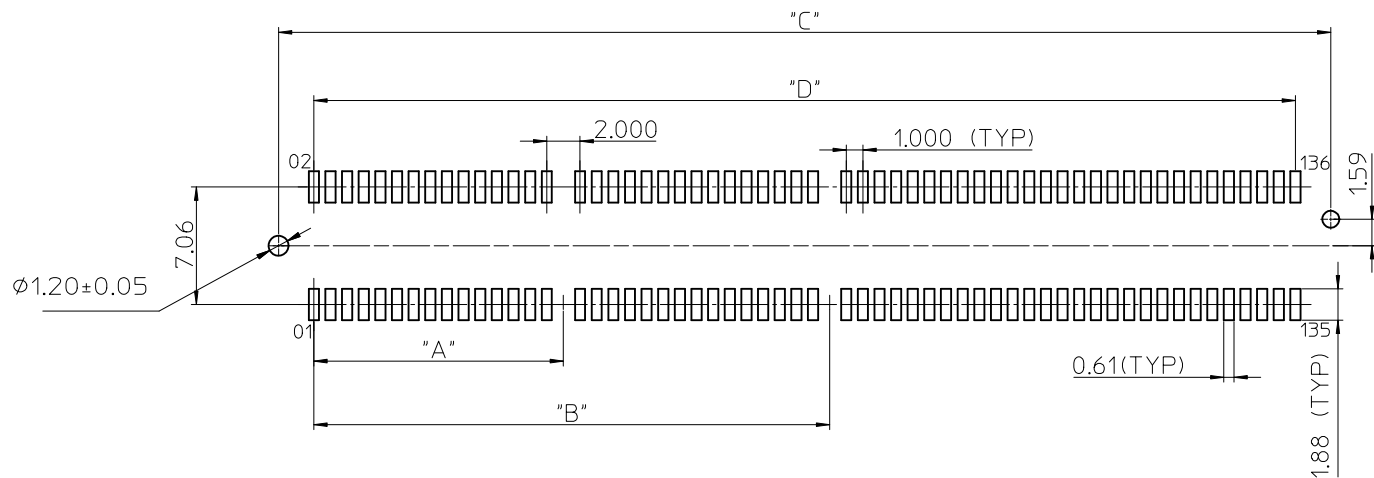
A



WITH CAP

| | | | | | | | | | |
|--|--|---------------------------------------|---------------------------|--|-----------------------------|--|--|------------------------|--|
| SEE SHEET 1 EC NO: SH2011-0312 DRWN:CD CHKD: APPR:RZHANG 2011/03/18 2011/04/28 | DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 1:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | | mm | INCH | DRAWN BY TOM | DATE 2004/09/02 | TITLE 1.0 PITCH EDGE CARD VERTICAL SMT CONNECTOR | | |
| | | 4 PLACES | ± --- | ± --- | CHECKED BY ALLEN LIN | DATE 2004/09/02 | | | |
| | | 3 PLACES | ± --- | ± --- | APPROVED BY WILSON CHANG | DATE 2004/09/02 | MOLEX INCORPORATED DOCUMENT NO. SD-48193-001 | | |
| 2 PLACES | ± 0.25 | ± --- | MATERIAL NO. SEE TABLE | | SHEET NO. 2 OF 4 | | | | |
| 1 PLACE | | ± 0.25 | ± --- | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |

6 5 4 3 2 1



| POSITION | "A" | "B" | "C" | "D" |
|----------|--------|--------|--------|--------|
| 78 CKT | 15.000 | N/A | 43.245 | 39.000 |
| 116 CKT | 15.000 | 31.000 | 63.245 | 59.000 |
| 136 CKT | 26.000 | 57.000 | 73.245 | 69.000 |

| | | | | | | | | | | |
|--|--------------------------|--------------------|-------------------------------|---------------------------------------|--|---|--------------------|--|-------------------------------|------------------------|
| SEE SHEET 1 EC NO: SH2011-0312 DRWN:CD CHKD: APPR:RZHANG | 2011/03/18 2011/04/28 | DESCRIPTION REV | QUALITY SYMBOLS ▽=0 ◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | | | | | | DRAWN BY TOM | DATE 2004/09/02 | TITLE 1.0 PITCH EDGE CARD VERTICAL SMT CONNECTOR | | |
| | | | | | | CHECKED BY ALLEN LIN | DATE 2004/09/02 | | | |
| | | | | | | APPROVED BY WILSON CHANG | DATE 2004/09/02 | molex MOLEX INCORPORATED | | |
| | | | | | | ANGULAR ± 3 ° | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | SEE TABLE | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |

7 6 5 4 3 2 1

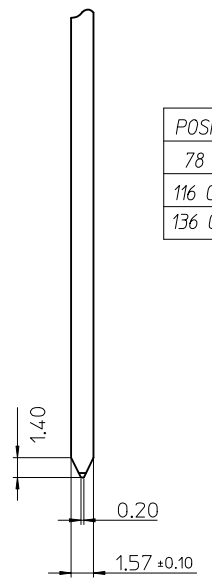
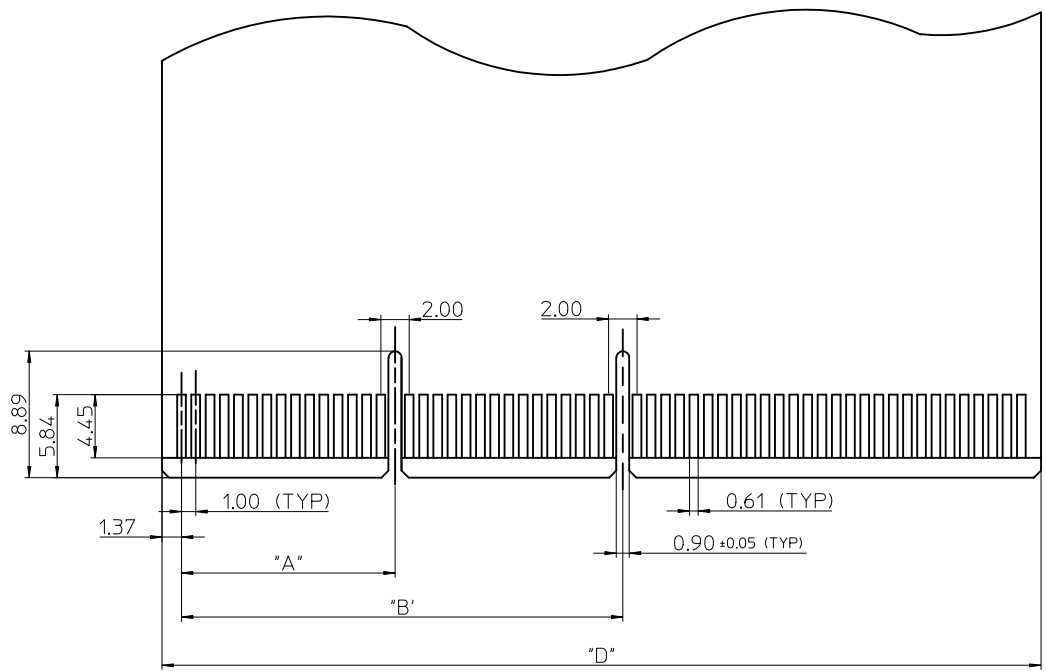
E

D

C

B

A



| POSITION | "A" | "B" | "D" |
|----------|--------|--------|----------------------|
| 78 CKT | 15.000 | N/A | 41.750 |
| 116 CKT | 15.000 | 31.000 | 61.750 |
| 136 CKT | 26.000 | 57.000 | $\triangle_B 71.750$ |

NOTES:

- 1.-60 AND -70 ARE THE ONLY TWO CARDS THAT HAVE TWO SLOTS.
- 2.MIRROR IMAGE FOOTPRINT ON THE OTHER SIDE OF PCB.
- 3.FOR NON-POLARIZED OPTION,REPLACE SLOTS WITH TRACES
- 4.ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE.

| | | | | | | | | | | | |
|---|--------------------|-------------------------------|--|--------------|---|--------------------|--|------------------------|------------------------|--|--|
| SEE SHEET 1 EC NO: SH2011-0312 DRAWN:CD 2011/03/18 CHKD: APPR:RZHANG 2011/04/28 | DESCRIPTION REV | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | | mm | INCH | DRAWN BY | DATE | TITLE 1.0 PITCH EDGE CARD VERTICAL SMT CONNECTOR | | | | |
| | | 4 PLACES ± --- | ± --- | TOM | 2004/09/02 | | | | | | |
| | | 3 PLACES ± --- | ± --- | CHECKED BY | DATE | MOLEX INCORPORATED | | | | | |
| 2 PLACES ± 0.25 | ± --- | ALLEN LIN | 2004/09/02 | | | | | | | | |
| 1 PLACE ± 0.25 | ± --- | APPROVED BY | DATE | MATERIAL NO. | | DOCUMENT NO. | | SHEET NO. | | | |
| ANGULAR ± 3 ° | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | | SD-48193-001 | | 4 OF 4 | | |
| | | | SIZE A 4 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | |

6 5 4 3 2 1