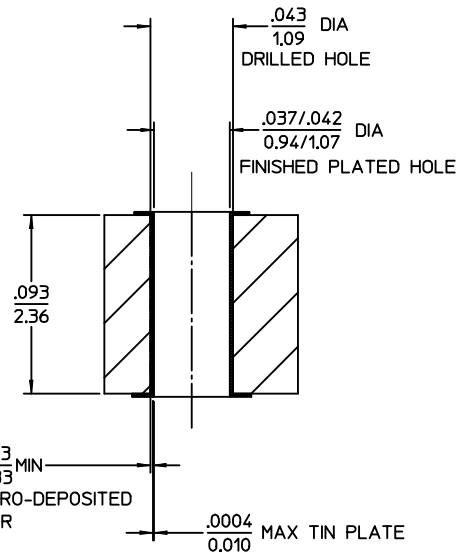
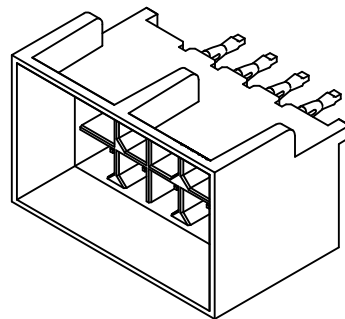
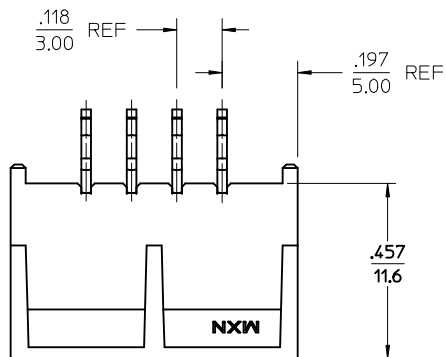
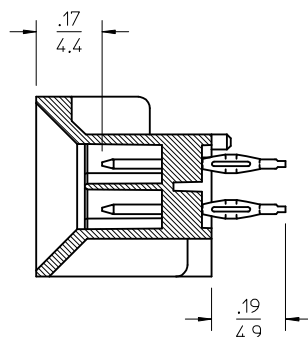
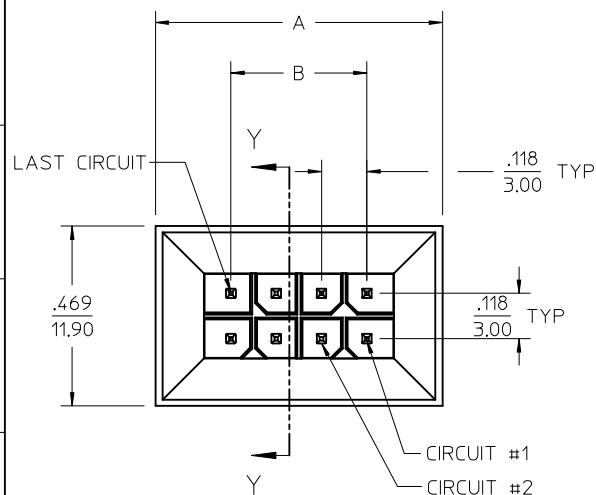




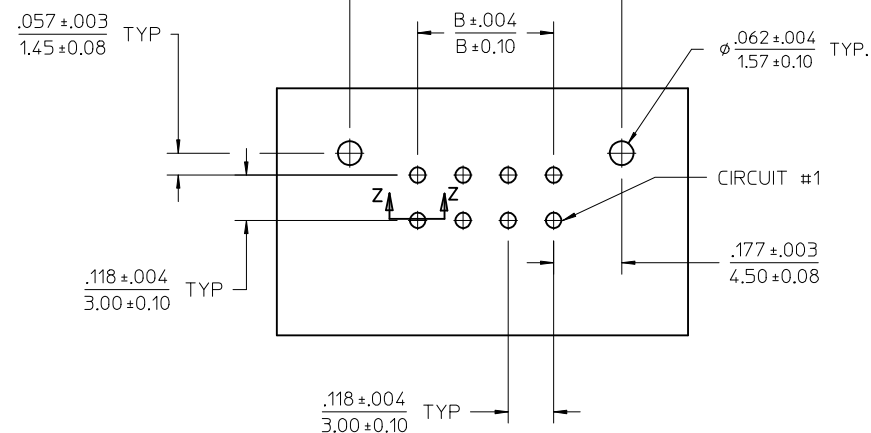
SECTION Z-Z

SCALE : 20/1



SECTION Y-Y

| CIRCUIT SIZE | DIM. -A-    | DIM. -B-    | DIM. -C-    |
|--------------|-------------|-------------|-------------|
| 04           | .512/13.00  | .118/3.00   | .472/12.00  |
| 06           | .630/16.00  | .236/6.00   | .590/15.00  |
| 08           | .748/19.00  | .354/9.00   | .709/18.00  |
| 10           | .866/22.00  | .472/12.00  | .827/21.00  |
| 12           | .984/25.00  | .590/15.00  | .945/24.00  |
| 14           | 1.102/28.00 | .709/18.00  | 1.063/27.00 |
| 16           | 1.220/31.00 | .827/21.00  | 1.181/30.00 |
| 18           | 1.338/34.00 | .945/24.00  | 1.299/33.00 |
| 20           | 1.457/37.00 | 1.063/27.00 | 1.417/36.00 |
| 22           | 1.575/40.00 | 1.181/30.00 | 1.535/39.00 |
| 24           | 1.693/43.00 | 1.299/33.00 | 1.653/42.00 |



RECOMMENDED PCB LAYOUT  
(COMPONENT SIDE)  
RECOMMENDED PCB THICKNESS .093/2.36 MIN.

# NOTES:

## 1. MATERIALS:

HOUSING: GLASS FILLED NYLON, UL94V-0, COLOR: BLACK,  
TERMINALS: COPPER ALLOY.

## 2. FINISH:

- A= .000200/(0.00508) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL.  
B= .000015/(0.00038) MIN. GOLD IN CONTACT AREA AND .000100/(0.00254) MIN.  
TIN/LEAD (90/10) ON PCB TAILS BOTH OVER .000050/(0.00127) MIN. NICKEL OVERALL.  
C= .000030/(0.00076) MIN. GOLD IN CONTACT AREA AND .000100/(0.00254) MIN.  
TIN/LEAD (95/05) ON PCB TAILS BOTH OVER .000050/(0.00127) MIN. NICKEL OVERALL.  
D= .000200/(0.00508) MIN. MATTE TIN IN CONTACT AREA AND .000100/(0.00254) MIN.  
MATTE TIN ON PCB TAILS BOTH OVER .000050/(0.00127) MIN. NICKEL. OVERALL.

## 3. PRODUCT SPECIFICATION: PS-44300-001

## 4. PACKAGING SPECIFICATION: PK-45280-002.

5. THIS ASSEMBLY MATES WITH MOLEX BMI PANEL MOUNT RECEPTACLE SERIES 44133  
WITH FEMALE CRIMP TERMINAL SERIES 43030 OR 46235, OR BMI RECEPTACLE  
HEADER SERIES 44764 (RIGHT ANGLE) AND 44769 (VERTICAL).

6. THIS HEADER REQUIRES A MOLEX INSERTION TOOL (62200-8400) TO PROPERLY  
INSTALL IT TO THE PCB.

UPDATE NOTE 5  
EC NO: UCP2013-1264  
DRAWN: NGUYEN 2012/09/28  
CHKD: SSOUSEK 2012/09/28  
APPR: FSNMITH 2012/10/12  
REV

QUALITY SYMBOLS  
▽=0  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)  
mm INCH  
4 PLACES ± --- ± ---  
3 PLACES ± --- ± .010  
2 PLACES ± 0.25 ± .015  
1 PLACE ± 0.38 ± ---  
0 PLACE ± ±  
ANGULAR ±1/2°  
DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
IN/MM  
DRAWN BY DATE  
MARGULIS 2002/06/11  
CHECKED BY DATE  
MARGULIS 2002/06/11  
APPROVED BY DATE  
R. FRY 2002/06/11  
MATERIAL NO.  
SEE CHART  
SIZE C

SCALE  
4:1  
DESIGN UNITS  
METRIC  
THIRD ANGLE PROJECTION  
TITLE  
MICRO-FIT (3.0)  
DUAL ROW VERTICAL  
BMI CPI HEADER - ASS'Y  
DOCUMENT NO.  
SD-45280-001  
SHEET NO.  
1 OF 2  
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX  
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|   |                   |              |                   |              |                   |              |                   |              |   |   |   |   |   |   |
|---|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|---|---|---|---|---|---|
|   | 13                | 12           | 11                | 10           | 9                 | 8            | 7                 | 6            | 5 | 4 | 3 | 2 | 1 |   |
| J | PLATING OPTION: A |              | PLATING OPTION: B |              | PLATING OPTION: C |              | PLATING OPTION: D |              |   |   |   |   |   | J |
|   | MATERIAL NUMBER   | CIRCUIT SIZE | MATERIAL NUMBER   | CIRCUIT SIZE | MATERIAL NUMBER   | CIRCUIT SIZE | MATERIAL NUMBER   | CIRCUIT SIZE |   |   |   |   |   |   |
|   | 452800401         | 04           | 452800403         | 04           | 452800403         | 04           | 452800404         | 04           |   |   |   |   |   |   |
|   | 452800601         | 06           | 452800602         | 06           | 452800603         | 06           | 452800604         | 06           |   |   |   |   |   |   |
| I | 452800801         | 08           | 452800802         | 08           | 452800803         | 08           | 452800804         | 08           |   |   |   |   |   | I |
|   | 452801001         | 10           | 452801002         | 10           | 452801003         | 10           | 452801004         | 10           |   |   |   |   |   |   |
|   | 452801201         | 12           | 452801202         | 12           | 452801203         | 12           | 452801204         | 12           |   |   |   |   |   |   |
|   | 452801401         | 14           | 452801402         | 14           | 452801403         | 14           | 452801404         | 14           |   |   |   |   |   |   |
|   | 452801601         | 16           | 452801602         | 16           | 452801603         | 16           | 452801604         | 16           |   |   |   |   |   |   |
|   | 452801801         | 18           | 452801802         | 18           | 452801803         | 18           | 452801804         | 18           |   |   |   |   |   |   |
| H | 452802001         | 20           | 452802002         | 20           | 452802003         | 20           | 452802004         | 20           |   |   |   |   |   | H |
|   | 452802201         | 22           | 452802202         | 22           | 452802203         | 22           | 452802204         | 22           |   |   |   |   |   |   |
|   | 452802401         | 24           | 452802402         | 24           | 452802403         | 24           | 452802404         | 24           |   |   |   |   |   |   |

|   |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| G |  |  |  |  |  |  |  |  |  |  |  |  |  | G |
| F |  |  |  |  |  |  |  |  |  |  |  |  |  | F |
| E |  |  |  |  |  |  |  |  |  |  |  |  |  | E |
| D |  |  |  |  |  |  |  |  |  |  |  |  |  | D |
| C |  |  |  |  |  |  |  |  |  |  |  |  |  | C |

|   |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| B |  |  |  |  |  |  |  |  |  |  |  |  |  | B |
| A |  |  |  |  |  |  |  |  |  |  |  |  |  | A |

OBS TIN LEAD P/N'S

EC NO: UCP2013-1264

DRWN:NGUYEN 2012/09/28

CHKD:SSOUSEK 2012/09/28

APPR:FSMITH 2012/10/12

K

REV

DESCRIPTION

QUALITY SYMBOLS

▽

=

0

▽

=

0

▽

=

0

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± .010

2 PLACES ± 0.25 ± .015

1 PLACE ± 0.38 ± ---

0 PLACE ± ±

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

IN/MM

DRAWN BY DATE

MARGULIS 2002/06/11

CHECKED BY DATE

MARGULIS 2002/06/11

APPROVED BY DATE

R. FRY 2002/06/11

SCALE

4:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

MICRO-FIT (3.0)  
DUAL ROW VERTICAL  
BMI CPI HEADER - ASS'Y

molex

MATERIAL NO.

SEE CHART

DOCUMENT NO.

SD-45280-001

SHEET NO.

2 OF 2

SIZE

C

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

lb\_frame\_C\_P\_AM\_T  
Rev. G 2012/01/11

12

11

10

9

8

7

6

5

4

3

2

1