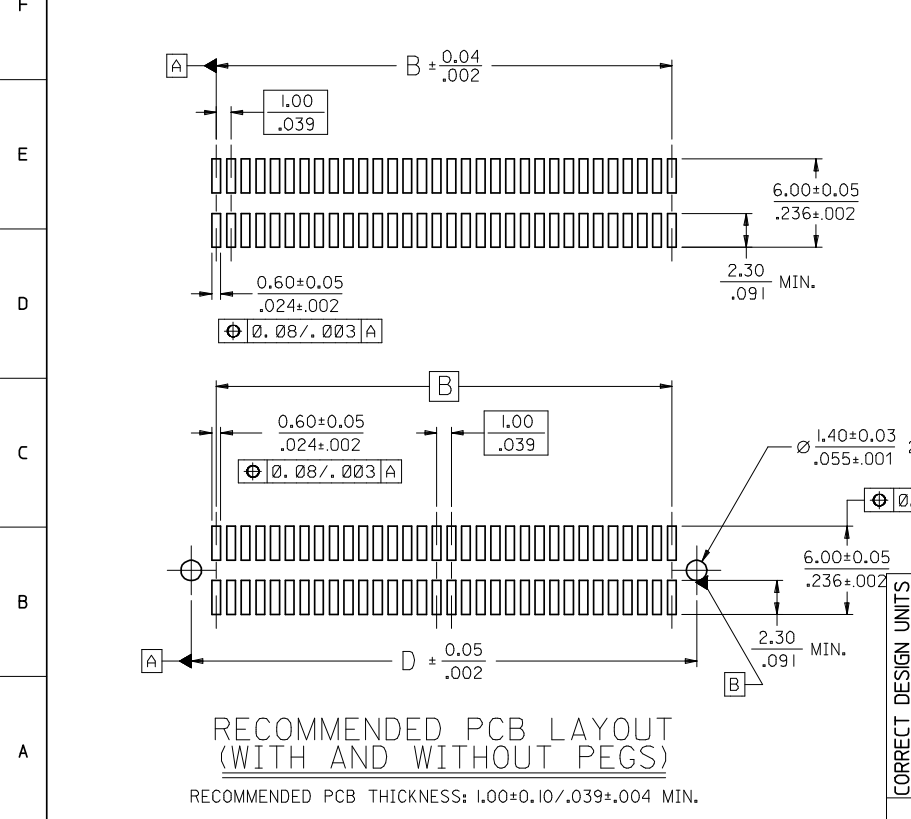


| CIRCUIT SIZE | DIM. A | DIM. B | DIM. C | DIM. D |
|--------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 20 | $\frac{13.90}{.547}$ | $\frac{9.00}{.354}$ | $\frac{12.58}{.495}$ | $\frac{12.40}{.488}$ |
| 30 | $\frac{18.90}{.744}$ | $\frac{14.00}{.551}$ | $\frac{17.58}{.692}$ | $\frac{17.40}{.685}$ |
| 40 | $\frac{23.90}{.941}$ | $\frac{19.00}{.748}$ | $\frac{22.58}{.889}$ | $\frac{22.40}{.882}$ |
| 50 | $\frac{28.90}{1.138}$ | $\frac{24.00}{.945}$ | $\frac{27.58}{1.086}$ | $\frac{27.40}{1.079}$ |
| 60 | $\frac{33.90}{1.335}$ | $\frac{29.00}{1.142}$ | $\frac{32.58}{1.283}$ | $\frac{32.40}{1.276}$ |
| 64 | $\frac{35.90}{1.413}$ | $\frac{31.00}{1.220}$ | $\frac{34.58}{1.361}$ | $\frac{34.40}{1.354}$ |
| 70 | $\frac{38.90}{1.531}$ | $\frac{34.00}{1.339}$ | $\frac{37.58}{1.480}$ | $\frac{37.40}{1.472}$ |
| 80 | $\frac{43.90}{1.728}$ | $\frac{39.00}{1.535}$ | $\frac{42.58}{1.676}$ | $\frac{42.40}{1.669}$ |
| 84 | $\frac{45.90}{1.807}$ | $\frac{41.00}{1.614}$ | $\frac{44.58}{1.755}$ | $\frac{44.40}{1.748}$ |
| 90 | $\frac{48.90}{1.925}$ | $\frac{44.00}{1.732}$ | $\frac{47.58}{1.873}$ | $\frac{47.40}{1.866}$ |
| 100 | $\frac{53.90}{2.122}$ | $\frac{49.00}{1.929}$ | $\frac{52.58}{2.070}$ | $\frac{52.40}{2.063}$ |
| 110 | $\frac{58.90}{2.319}$ | $\frac{54.00}{2.126}$ | $\frac{57.58}{2.267}$ | $\frac{57.40}{2.260}$ |
| 120 | $\frac{63.90}{2.516}$ | $\frac{59.00}{2.323}$ | $\frac{62.58}{2.464}$ | $\frac{62.40}{2.457}$ |



NOTES:

- HOUSING MATERIAL: LIQUID CRYSTAL POLYMER (LCP) GLASS FILLED.; UL RATING: 94V-0; COLOR: WHITE OR BLACK
TERMINAL MATERIAL: PHOSPHOR BRONZE; 0.205/.0080 THICK
VACUUM CAP MATERIAL: STAINLESS STEEL; 0.255/.0100 THICK
- PLATING FINISHES: SEE SHEET 2
- PRODUCT SPECIFICATION: PS-71436-999
- PACKAGING SPECIFICATIONS: REFER TO CHART ON SHEET 2.
- MATES WITH: 71439 SERIES. SEE SHEET 2 FOR MATING VIEW AND STACK HEIGHT.
- PEGS ARE OPTIONAL. REFER TO CHART ON SHEET 2.
- VACUUM PICK & PLACE CAP IS OPTIONAL. REFER TO CHART ON SHEET 2.
- THIS PART CONFORMS TO EIA STANDARD 700 AAAB FOR 1.0mm TWO-PART CONNECTORS FOR USE WITH PARALLEL PRINTED BOARDS.
- COPLANARITY OF SMT TAILS: 0.10/.004 MAX.
- 64-CIRCUIT PLUG ASSEMBLY WITH PEGS AND VACUUM CAP SHOWN FOR ILLUSTRATION PURPOSES ONLY.
- DIMENSIONS ARE IN mm/in. INCH DIMENSIONS SHOWN FOR REFERENCE ONLY.
- ASSEMBLY TO HAVE DATE CODE: XX XX
WEEK _____ YEAR

| | |
|-----|-----|
| 2 | L |
| 1 | M |
| SHT | REV |

| | | | | | | | | |
|---|--|---------------------------------------|--------------------------------|-----------------------|------------------------|---|--------------------|--|
| CORRECT DESIGN UNITS EC NO: UCP2008-2464 DRW:MSI:BARRA 2008/04/07 CHKD:BBARKER 2008/04/16 APPR:SMILLER 2008/04/16 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE MM/IN | SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± .005 | 2 PLACES ± 0.13 ± .01 | 1 PLACE ± 0.25 ± --- | ANGULAR ± 1/2° | DRAWN BY REED | DATE 1995/03/23 | TITLE SALES ASSY, 1.0MM BOARD TO BOARD PLUG CONNECTOR 4.30/169 STACK HEIGHT |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | APPROVED BY BIXLER | DATE 1995/03/23 | MOLEX MOLEX INCORPORATED | | |
| | MATERIAL NO. SEE TABLE | | DOCUMENT NO. SDA-71436-2*** | SHEET NO. 1 OF 2 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |

RECOMMENDED PCB LAYOUT (WITH AND WITHOUT PEGS)

RECOMMENDED PCB THICKNESS: 1.00±0.10/.039±.004 MIN.

WHITE (NATURAL) MATERIAL

| CIRCUIT SIZE | PLUG ASSEMBLY ITEM NUMBER | PEGS | CONTACT PLATING (SEE PLATING NOTES) | PICK & PLACE CAP | PACKAGING SPEC. NUMBER | PACKAGING TYPE |
|--------------|---------------------------|------|-------------------------------------|------------------|------------------------|----------------|
| 64 | 71436-2164 | YES | 30 GOLD | NO | PK-70873-0607 | TUBE |
| 64 | 71436-2364 | YES | 30 GOLD | YES | PK-70873-0607 | TUBE |
| 64 | 71436-2464 | YES | 30 GOLD | YES | PK-70873-063 | TAPE & REEL |
| 64 | 71436-2564 | NO | 30 GOLD | NO | PK-70873-0606 | TUBE |
| 64 | 71436-2764 | NO | 30 GOLD | YES | PK-70873-0606 | TUBE |
| 64 | 71436-2864 | NO | 30 GOLD | YES | PK-70873-063 | TAPE & REEL |
| 64 | 71436-2264 | NO | 50 GOLD | YES | PK-70873-063 | TAPE & REEL |
| 64 | 71436-2664 | YES | 50 GOLD | NO | PK-70873-0607 | TUBE |
| 64 | 71436-2064 | NO | 50 GOLD | NO | PK-70873-0607 | TUBE |

PLATING NOTES:

30 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;
 THICKNESS = 0.76 MICROMETERS (30 MICROINCHES) MINIMUM;
 SELECTIVE TIN (Sn) IN THE PC TAIL AREA;
 THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;
 NICKEL UNDERPLATE OVERALL.

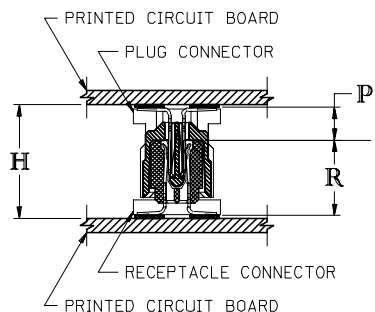
50 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;
 THICKNESS = 1.27 MICROMETERS (50 MICROINCHES) MINIMUM;
 SELECTIVE TIN (Sn) IN THE PC TAIL AREA;
 THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;
 NICKEL UNDERPLATE OVERALL.

BLACK MATERIAL WITH PICK & PLACE CAP

| CIRCUIT SIZE | PLUG ASSEMBLY ITEM NUMBER | PEGS | CONTACT PLATING (SEE NOTES PAGE2) | PICK & PLACE CAP | PACKAGING SPEC. NUMBER | PACKAGING TYPE |
|--------------|---------------------------|------|-----------------------------------|------------------|------------------------|----------------|
| 64 | 71436-2964 | NO | 30 GOLD | YES | PK-70873-063 | TAPE & REEL |
| | | | | | | |

RECOMMENDED PLUG/RECEPTACLE COMBINATION FOR MATED STACK HEIGHT PER EIA STANDARD 700 AAAB

| MATED STACK HEIGHT | RECEPTACLE HEIGHT | RECEPTACLE SERIES NO. | PLUG HEIGHT | PLUG SERIES NO. |
|--------------------|-------------------|-----------------------|-------------|-----------------|
| 10.00/.394 | 5.30/.209 | 71439-0*** | 4.30/.169 | 71436-2*** |
| 12.00/.472 | 7.30/.287 | 71439-1*** | 4.30/.169 | 71436-2*** |
| 13.00/.512 | 8.30/.327 | 71439-2*** | 4.30/.169 | 71436-2*** |
| 15.00/.591 | 10.30/.406 | 71439-3*** | 4.30/.169 | 71436-2*** |



PLUG STACK HEIGHT
 + RECEPTACLE STACK HEIGHT
 + 0.40/.016 (SOLDER PASTE ALLOWANCE)
 = MATED STACK HEIGHT

BOTTOMING SURFACE

P = PLUG STACK HEIGHT
 R = RECEPTACLE STACK HEIGHT
 H = MATED STACK HEIGHT

| | | | | | | | |
|--|--------------------------|---------------------------------------|---|-----------------|--------------------|--|--|
| ADD 71436-2064/-2664 EC NO: UCP2007-2420 DRWN:MSIBARRA 2007/05/08 CHKD:DMORGAN 2007/05/17 APPR:SMILLER 2007/05/18 REVISIONS | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | $\nabla=0$ $\nabla=0$ | mm INCH | MM/IN | --- | INCH | | |
| | | 4 PLACES ± --- ± --- | DRAWN BY DATE | REED 1995/03/23 | TITLE | SALES ASSY, 1.0MM BOARD TO BOARD PLUG CONNECTOR 4.30/.169 STACK HEIGHT | |
| | | 3 PLACES ± --- ± --- | CHECKED BY DATE | REED 1995/03/23 | MOLEX INCORPORATED | | |
| | 2 PLACES ± --- ± --- | APPROVED BY DATE | BIXLER 1995/03/23 | MATERIAL NO. | DOCUMENT NO. | SHEET NO. | |
| | 1 PLACE ± --- ± --- | ANGULAR ±1/2° | | SEE TABLE | SDA-71436-2*** | 2 OF 2 | |
| 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 | | | | |