

RECOMMENDED PCB LAYOUT (WITH AND WITHOUT PEGS)

RECOMMENDED PCB THICKNESS: 1.00±0.10 MINIMUM

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OTES

1. HOUSING MATERIAL: G.F. THERMOPLASTIC; UL RATING: 94V-0; COLOR: WHITE OR BLACK
TERMINAL MATERIAL: PHOSPHOR BRONZE; 0.205 THICK.
VACUUM CAP MATERIAL: STAINLESS STEEL; 0.255 THICK.
 2. PLATING FINISHES: SEE SHEET 2.
 3. THIS PART, WHEN MATED WITH MOLEX 1.0mm RECEPTACLE CONNECTOR SERIES 71439,
CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71436-9999. REFER TO
TABLE ON SHEET 2 FOR MATED STACK HEIGHTS FOR THIS PLUG.
 4. PACKAGING SPECIFICATIONS: REFER TO TABLE ON SHEET 2.
 5. PEGS ARE OPTIONAL. REFER TO TABLE ON SHEET 2.
 6. VACUUM PICK & PLACE CAP OPTIONAL. REFER TO TABLE ON
SHEET 2.
 7. THIS PART CONFORMS TO EIA STANDARD 700 AAB FOR 1.0mm TWO-PART
CONNECTORS FOR USE WITH PARALLEL PRINTED BOARDS.
 8. COPLANARITY OF SMT TAILS: 0.10 MAX.
 9. 64-CIRCUIT PLUG ASSEMBLY WITH PEGS AND VACUUM CAP SHOWN
FOR ILLUSTRATION PURPOSES ONLY.
 10. DATE CODE STAMP IS WEEK, YEAR LOCATED APPROXIMATELY WHERE SHOWN.

| | | | | | | | | | | |
|---|--------|---|---|-----------------|---|----------------------------------|----------|--------------|-----|----|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | |
| DIMENSION UNITS | SCALE | CURRENT REV DESC: REDRAWN IN NX | | |  | | | | | |
| mm | 4:1 | | | | | | | | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | | | | | | | |
| ANGULAR TOL | ± 0.5° | | | | | | | | | |
| 4 PLACES | ± | EC NO: 610884 | | | SALES ASSY, 1.0MM BOARD TO BOARD | | | | | |
| 3 PLACES | ± | DRWN: TTAO03 | | | 2019/01/23 | PLUG CONNECTOR 4.30 STACK HEIGHT | | | | |
| 2 PLACES | ± 0.13 | CHK'D: JKACHLIC | | | 2019/02/01 | PRODUCT CUSTOMER DRAWING | | | | |
| 1 PLACE | ± 0.25 | APPR: JKACHLIC | | | 2019/02/01 | | | | | |
| 0 PLACES | ± | INITIAL REVISION: | | | DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION | | |
| DRWN: REED | | | 1995/04/03 | 714362000 | | | | PSD | 000 | A1 |
| APPR: BIXLER | | | 1995/04/03 | MATERIAL NUMBER | | CUSTOMER | | SHEET NUMBER | | |
| DRAFT WHERE APPLICABLE MUST REMAIN | | THIRD ANGLE PROJECTION | DRAWING | SERIES | SEE TABLE | GENERAL MARKET | | 1 OF 3 | | |
| | |  |  | C SIZE | Z1436 | | | | | |

WHITE (NATURAL) MATERIAL

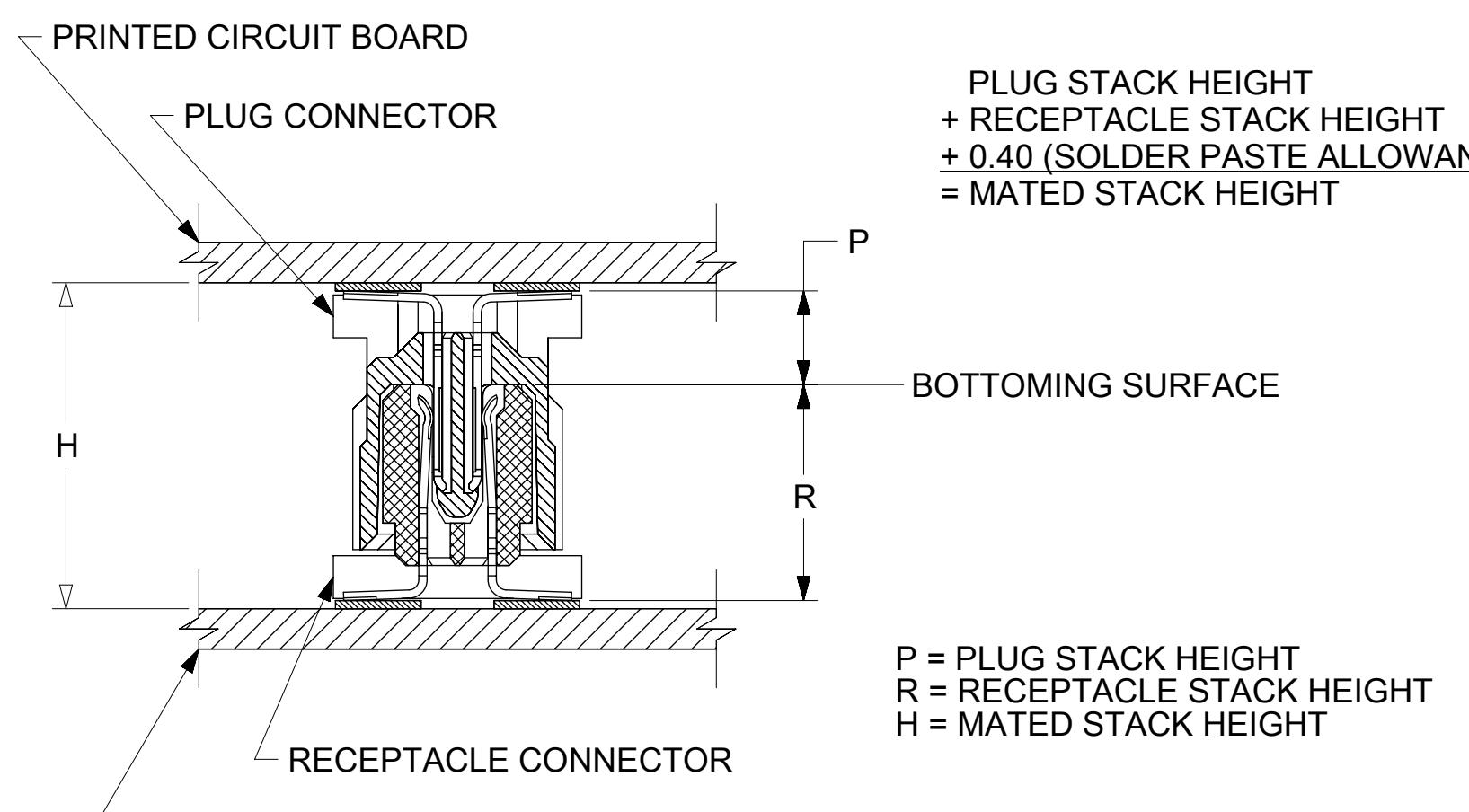
| CIRCUIT SIZE | PLUG ASSY. PART NUMBER | PEGS | CONTACT PLATING SEE PLATING NOTES | PICK & PLACE CAP | PACKAGING SPEC. NUMBER | PACKAGING TYPE |
|--------------|------------------------|------|-----------------------------------|------------------|------------------------|----------------|
| 64 | 71436-2164 | 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-70873-0606 | TUBE |

BLACK MATERIAL WITH PICK & PLACE CAP

| CIRCUIT SIZE | PLUG ASSY. PART NUMBER | PEGS | CONTACT PLATING SEE PLATING NOTES | 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 | 5.30 | 71439-0*** | 4.30 | 71436-2*** |
| 12.00 | 7.30 | 71439-1*** | | |
| 13.00 | 8.30 | 71439-2*** | | |
| 15.00 | 10.30 | 71439-3*** | | |



PLATING PER ES-88

30 GOLD - 0.76 MICROMETERS MINIMUM GOLD IN CONTACT AREA AND
1.91 MICROMETERS MINIMUM MATTE TIN IN PC TAIL AREA
OVER 1.27 MICROMETERS MINIMUM PLATING OVERALL.

50 GOLD - 1.27 MICROMETERS MINIMUM GOLD IN CONTACT AREA AND
1.91 MICROMETERS MINIMUM MATTE TIN IN PC TAIL AREA
OVER 1.27 MICROMETERS MINIMUM PLATING OVERALL.

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|---|-----|---|---------------------------------|------------------------|----------------------------------|------------|----------------------------------|--|--|
| DIMENSION UNITS | | SCALE | CURRENT REV DESC: REDRAWN IN NX | | SALES ASSY, 1.0MM BOARD TO BOARD | | PRODUCT CUSTOMER DRAWING | | |
| mm | --- | GENERAL TOLERANCES (UNLESS SPECIFIED) | EC NO: 610884 | | DRWN: TTAO03 | 2019/01/23 | PLUG CONNECTOR 4.30 STACK HEIGHT | | |
| ANGULAR TOL \pm 0.5° | | CHK'D: JKACHLIC | | APP'R: JKACHLIC | 2019/02/01 | 2019/02/01 | | | |
| 4 PLACES \pm | | INITIAL REVISION: | | DRWN: REED | | 1995/04/03 | | | |
| 3 PLACES \pm | | APP'R: BIXLER | | APP'R: BIXLER | | 1995/04/03 | | | |
| 2 PLACES \pm 0.13 | | DRAFT WHERE APPPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | | |
| 1 PLACE \pm 0.25 | | | | | | C-SIZE | CUSTOMER | | |
| 0 PLACES \pm | | | | 71436 | SEE TABLE | | SHEET NUMBER | | |
| DOCUMENT STATUS | | P1 | | DOC TYPE | DOC PART | REVISION | 2 OF 2 | | |
| RELEASE DATE | | 2019/02/01 01:16:40 | | 714362000 | PSD | 000 | A1 | | |

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