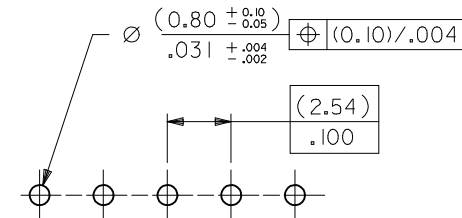


SECTION C-C SHOWING
STRAIGHT PINS.



RECOMMENDED P.C. BOARD
HOLE PATTERN
FOR STRAIGHT PINS.

NOTES:

- 1) CONTACT-PLATED PHOSPHOR BRONZE.
- 2) HOUSING-15% GLASS FILLED POLYESTER.
COLOUR: BLACK.
- 3) FOR (0.635)/.025 SQ. MALE PINS THE LENGTH
MUST BE (5.65)/.222 MIN & (7.00)/.276 MAX. TO
ENSURE GOOD CONNECTION WITH CONTACT.
- 4) PRODUCT SPECIFICATION: PS-99020-0001.
- 5) PCB THICKNESS 1.6MM

| | | | | | | | | | | | | | | | |
|------------------------|--|--|--|-------------------|--|---------------------------------------|--|-----------------|--|---|--|------------------------|--|------------------------|--|
| UPDATE FEATURE CONTROL | | | | QUALITY SYMBOLS | | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | | DESIGN UNITS | | THIRD ANGLE PROJECTION | |
| FRAME | | | | | | | | MM/IN | | NTS | | METRIC | | | |
| REV | | | | | | | | DRAWN BY | | DATE | | TITLE | | | |
| AD | | | | F _A =0 | | 4 PLACES | | DB | | 1987/07/14 | | C-GRID III, SINGLE ROW | | | |
| | | | | F _G =0 | | 3 PLACES | | CHECKED BY | | DATE | | VERTICAL P.C. BOARD | | | |
| | | | | F _P =0 | | 2 PLACES | | JDENNEHY | | 2005/07/07 | | CONNECTOR ASSEMBLY. | | | |
| | | | | | | 1 PLACE | | APPROVED BY | | DATE | | molex | | | |
| | | | | | | 0 PLACE | | JDENNEHY | | 2005/07/07 | | | | | |
| | | | | | | ANGULAR ± 2 ° | | MATERIAL NO. | | DOCUMENT NO. | | | | SHEET NO. | |
| | | | | | | DRAFT WHERE APPLICABLE | | SEE TABLE | | SDA-90147 | | | | 1 OF 1 | |
| | | | | | | MUST REMAIN WITHIN DIMENSIONS | | SIZE A 3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |

| PART NO'S - STRAIGHT PINS | | NO.OF CKTS | DIM." A" | DIM." B" (+0.00) ⁰ -0.002 | QTY. PER TUBE |
|---------------------------|-------------------|---------------|-----------------|---|------------------|
| STANDARD | CUSTOMER SPECIFIC | | | | |
| 90147-1X02 | —↑— | 2 | (2.54) .100 | (5.08) .200 | 105 |
| ↑ 03 | ↑↓ | 3 | (5.08) .200 | (7.62) .300 | 72 |
| 04 | —↓— | 4 | (7.62) .300 | (10.16) .400 | 52 |
| 05 | 90147-9105 | 5 | (10.16) .400 | (12.70) .500 | 44 |
| 06 | —↑— | 6 | (12.70) .500 | (15.24) .600 | 36 |
| 07 | —↑— | 7 | (15.24) .600 | (17.78) .700 | 30 |
| 08 | —↑— | 8 | (17.78) .700 | (20.32) .800 | 26 |
| 09 | —↑— | 9 | (20.32) .800 | (22.86) .900 | 22 |
| 10 | —↑— | 10 | (22.86) .900 | (25.40) 1.000 | 22 |
| 11 | —↑— | 11 | (25.40) 1.000 | (27.94) 1.100 | 20 |
| 12 | —↑— | 12 | (27.94) 1.100 | (30.48) 1.200 | 18 |
| 13 | —↑— | 13 | (30.48) 1.200 | (33.02) 1.300 | 16 |
| 14 | —↑— | 14 | (33.02) 1.300 | (35.56) 1.400 | 14 |
| 15 | —↑— | 15 | (35.56) 1.400 | (38.10) 1.500 | 14 |
| 16 | —↑— | 16 | (38.10) 1.500 | (40.64) 1.600 | 13 |
| 17 | —↑— | 17 | (40.64) 1.600 | (43.18) 1.700 | 13 |
| 18 | —↑— | 18 | (43.18) 1.700 | (45.72) 1.800 | 12 |
| 19 | —↑— | 19 | (45.72) 1.800 | (48.26) 1.900 | 12 |
| 20 | —↑— | 20 | (48.26) 1.900 | (50.80) 2.000 | 11 |
| 21 | —↑— | 21 | (50.80) 2.000 | (53.34) 2.100 | 11 |
| 22 | —↑— | 22 | (53.34) 2.100 | (55.88) 2.200 | 10 |
| 23 | —↑— | 23 | (55.88) 2.200 | (58.42) 2.300 | 9 |
| 24 | —↑— | 24 | (58.42) 2.300 | (60.96) 2.400 | 9 |
| 25 | —↑— | 25 | (60.96) 2.400 | (63.50) 2.500 | 8 |
| 26 | —↑— | 26 | (63.50) 2.500 | (66.04) 2.600 | 8 |
| 27 | —↑— | 27 | (66.04) 2.600 | (68.58) 2.700 | 8 |
| 28 | —↑— | 28 | (68.58) 2.700 | (71.12) 2.800 | 7 |
| 29 | —↑— | 29 | (71.12) 2.800 | (73.66) 2.900 | 7 |
| 30 | —↑— | 30 | (73.66) 2.900 | (76.20) 3.000 | 7 |
| ↓ 31 | —↓— | 31 | (76.20) 3.000 | (78.74) 3.100 | 7 |
| 90147-1X 32 | —↓— | 32 | (78.74) 3.100 | (81.28) 3.200 | 6 |

PLATING VERSION A

PRE-PLATED HOT DIP TIN
1.0 TO 2.5 μm (.000040" TO .000100").

PLATING VERSION E

1.27 TO 1.78 μm (.000050" TO .000070") NICKEL
OVERALL, 0.38 TO 0.64 μm (.000015" TO .000025")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 μm (.000120" TO .000200") TIN
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION F.

1.27 TO 1.78 μm (.000050" TO .000070") NICKEL
OVERALL, 0.76 TO 1.0 μm (.000030" TO .000040")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 μm (.000120" TO .000200") TIN
ON SOLDER TAILS (OVER NICKEL).

90147-XXYY

INDICATES NO. OF CIRCUITS.

PLATING CODE.
1 = VERSION A.
2 = VERSION E.
3 = VERSION F.

SEE CHART.

STANDARD PRODUCTS

| | | |
|---|--|---|
| UPDATE REVISION EC NO: S2013-0792 DRAWN BY: CHYD-SKANG 2013/05/13 2013/05/15 APPR: MLONG 2013/05/16 AC | DESCRIPTION REV | QUALITY SYMBOLS |
|---|--|---|