

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0022282330](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

10 9 8 7 6 5 4 3 2 1

CKTS DIM A DIM B

|    |             |             |
|----|-------------|-------------|
| 2  | .100/2.54   | 200/5.08    |
| 3  | .200/5.08   | 300/7.62    |
| 4  | .300/7.62   | .400/10.16  |
| 5  | .400/10.16  | .500/12.70  |
| 6  | .500/12.70  | .600/15.24  |
| 7  | .600/15.24  | .700/17.78  |
| 8  | .700/17.78  | .800/20.32  |
| 9  | .800/20.32  | .900/22.86  |
| 10 | .900/22.86  | 1.000/25.40 |
| 11 | 1.000/25.40 | 1.100/27.94 |
| 12 | 1.100/27.94 | 1.200/30.48 |
| 13 | 1.200/30.48 | 1.300/33.02 |
| 14 | 1.300/33.02 | 1.400/35.56 |
| 15 | 1.400/35.56 | 1.500/38.10 |
| 16 | 1.500/38.10 | 1.600/40.64 |
| 17 | 1.600/40.64 | 1.700/43.18 |
| 18 | 1.700/43.18 | 1.800/45.72 |
| 19 | 1.800/45.72 | 1.900/48.26 |
| 20 | 1.900/48.26 | 2.000/50.80 |
| 21 | 2.000/50.80 | 2.100/53.34 |
| 22 | 2.100/53.34 | 2.200/55.88 |
| 23 | 2.200/55.88 | 2.300/58.42 |
| 24 | 2.300/58.42 | 2.400/60.96 |
| 25 | 2.400/60.96 | 2.500/63.50 |
| 26 | 2.500/63.50 | 2.600/66.04 |
| 27 | 2.600/66.04 | 2.700/68.58 |
| 28 | 2.700/68.58 | 2.800/71.12 |
| 29 | 2.800/71.12 | 2.900/73.66 |
| 30 | 2.900/73.66 | 3.000/76.20 |
| 31 | 3.000/76.20 | 3.100/78.74 |
| 32 | 3.100/78.74 | 3.200/81.28 |
| 33 | 3.200/81.28 | 3.300/83.82 |
| 34 | 3.300/83.82 | 3.400/86.36 |
| 35 | 3.400/86.36 | 3.500/88.90 |
| 36 | 3.500/88.90 | 3.600/91.44 |

DETAIL X  
SCALE 5:1  
SEE NOTE 10

DETAIL Y  
SCALE 5:1  
SEE NOTE 10

DETAIL Z  
SCALE 5:1

SEE DETAIL Y

SEE DETAIL X

SEE DETAIL Z

CIRCUIT NO. 1

OPTIONAL VOIDED CIRCUIT  
SEE CHARTS FOR LOCATION

REMOVED BACKWALL OPTION  
SEE NOTE 11

RECOMMENDED PC BOARD LAYOUT

KINKED PIN OPTION  
SEE NOTE 5

THIRD ANGLE PROJECTION

1. MATERIAL: GLASS FILLED NYLON, 94V-0, COLOR: BLACK  
2. FINISH:  
(154) OVERALL TIN: .000100/0.00254 MIN.  
OVER .000050/0.00127 MIN NICKEL.  
(208) SELECT GOLD: .000015/0.00038 MIN.  
SELECT TIN: .000010/0.00254 MIN.  
OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.  
(228) SELECT GOLD: .000030/0.00076 MIN.  
SELECT TIN: .000100/0.00254 MIN.  
OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.  
3. PRODUCT SPECIFICATION: PS-10-07.  
4. PACKAGING INFORMATION: SEE TABLES  
5. KINK PIN OPTION NOT RECOMMENDED FOR 2 CIRCUIT PARTS.  
HOLE SIZE MAY NEED TO BE ADJUSTED ON 2 CIRCUIT PARTS  
WITH KINK OPTION FOR PROPER INSERTION INTO THE PCB. SEE  
SMES-42003 FOR ADDITIONAL INFORMATION ON KINK DIRECTION  
AND PLACEMENT.  
6. HEADERS ARE NOT STACKABLE ON .100/2.54 CENTERS.  
7. SOLDERABILITY PER SMES-152.  
8. PIN PUSH OUT FORCE: 3 LBS. MIN.  
9. PARTS CONFORM TO CLASS B REQUIREMENTS OF COSMETIC  
SPECIFICATION PS-4599-002.  
10. PIN TIP DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.  
DIMENSIONS APPLY PRIOR TO PLATING OR ASSEMBLY.  
11. FIRST AND LAST CIRCUIT BACKWALLS MUST BE REMOVED WHEN  
MATING TO A PART WITH POLARIZING RIBS.

1.000 POLARIZING  
BREAKAWAY HEADER ASSY

**molex**

SD-42226-001

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

ADD. NOTE 11  
EC NO: UCP2016-471  
DRAWN: KIPPER 2013/10/01  
CHKD: BANDERSON 2013/10/01  
APPROV: SMITH 2013/10/09

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm     | INCH    |
|----------|--------|---------|
| 4 PLACES | ± .005 | ± .0001 |
| 3 PLACES | ± .005 | ± .0001 |
| 2 PLACES | ± .025 | ± .010  |
| 1 PLACE  | ± .036 | ± .014  |
| 0 PLACE  | ± .036 | ± .014  |

ANGULAR ±1/2°  
DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
IN/MM

DRAWN BY  
JSCHAER  
DATE  
2003/09/23

CHECKED BY  
KSAMIEC  
DATE  
2003/09/23

APPROVED BY  
MARGULIS  
DATE  
2003/09/23

SCALE  
2:1

DESIGN UNITS  
INCH

THIRD ANGLE PROJECTION

TITLE  
1.000 POLARIZING  
BREAKAWAY HEADER ASSY

SHEET NO.  
SD-42226-001

SHEET NO.  
1 OF \*