

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM "A" MAX | DIM "B" | PTHØ      |
|-----------------|--------------|----------------|-------------|---------|-----------|
| 76850-5006      | 6            | 24             | 20.25       | 10.00   | 0.46±0.05 |
| 76850-5036      | 6            | 24             | 20.25       | 10.00   | 0.39±0.05 |
| 76850-5008      | 8            | 32             | 24.30       | 14.05   | 0.46±0.05 |
| 76850-5038      | 8            | 32             | 24.30       | 14.05   | 0.39±0.05 |
| 76850-5010      | 10           | 40             | 28.35       | 18.10   | 0.46±0.05 |
| 76850-5020      | 10           | 40             | 28.35       | 18.10   | 0.39±0.05 |

SEE NOTE 10

(28.2)

4.05

A

BP ROW A (SIGNAL)

0.20

(2.1)

19.0

17.3

16.7

1.00 MIN BOARD THICKNESS

1.2 (TAIL LENGTH)

14.85

16.80

11.36

molex

BACKPLANE (REF)

1.00 MIN BOARD THICKNESS

1.2 (TAIL LENGTH)

0.95

1.90

2.15

5.475

2X

9.30

Ø0.10

Ø2.45 ±0.04 UNPLATED HOLE 2X

KEEP-OUT ZONE

14.85

16.80

11.91

9.96

1.70 MAX

1.35

11X

14.00 (FULLY MATED)

0.15

OFFSET BETWEEN DC AND BP SIGNAL COLUMN 1

4.05

PIN A1

BP ROW A (SIGNAL)

BP PIN COL 1 (SIGNAL)

BACKPLANE (REF)

ROW M

ROW L

ROW K

ROW J

ROW H

ROW G

ROW F

ROW E

ROW D

ROW C

ROW B

ROW A

SIGNAL HOLES REF

GROUND HOLE REF

ØPTH (SEE CHART) (12 HOLES PER COLUMN) SEE NOTE 3

76850-\*0\*\*

MODULE & TAIL PLATING TYPE  
5 = RIGHT GUIDED, LEAD-FREE

# OF COLUMNS  
06 = 6 COL 0.46 PTH  
36 = 6 COL 0.39 PTH  
08 = 8 COL 0.46 PTH  
38 = 8 COL 0.39 PTH  
10 = 10 COL 0.46 PTH  
20 = 10 COL 0.39 PTH

NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY

2. FINISH: 30uIN MIN GOLD IN CONTACT AREA. SELECTIVE TIN ON PCB TAILS. NICKEL OVERALL.

3. REFER TO MOLEX PRODUCT SPEC PS-76060-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.

4. EACH SIGNAL WAFER CONTAINS 2 COLUMNS OF TERMINALS.

5. PRODUCT IS PACKAGED PER PK-70873-610.

6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.

7. REFER TO MOLEX SALES DRAWING SD-76845-003 FOR THE MATING HEADERS.

8. WHEN USING MOLEX SUPPLIED #2-32 SCREW 73726-0000 (9.50mm±0.38 THREADABLE SCREW LENGTH), THE MAXIMUM BOARD THICKNESS IS 4.4mm.

9. REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT AND ROUTING RECOMMENDATIONS.

10. MARKING: LOCATED APPROXIMATELY AS SHOWN. PART NUMBER AND DATE CODE.

DOCUMENT STATUS

P1

RELEASE DATE

2019/03/01

07:25:58

12

11

10

9

8

7

6

5

4

3

2

1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

NTS

CURRENT REV

DESC: MIGRATED TO NX

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 0.5°

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.15

1 PLACE ± 0.25

0 PLACES ±

EC NO: 612533

DRWN: MMALLIGEVALU 2018/11/09

CHK'D: TMARRI 2019/02/22

APPR: BOKOK 2019/03/01

INITIAL REVISION:

DRWN: JLAURX 2010/01/11

APPR: JBINGHAM 2010/01/14

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

76850

molex

IMPACT DAUGHTERCARD  
4 PAIR ORTHOGONAL GUIDE RIGHT SALES DWG

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-76850-004

DOC TYPE

PSD

DOC PART

001

REVISION

B4

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1