

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

17.3

16.7

14.85

16.80

11.36

19.0

0.20

2.1

1.00 MIN BOARD THICKNESS

1.2 (TAIL LENGTH)

BACKPLANE (REF)

BP ROW A (SIGNAL)

molex

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

0.95

1.90

2.15

5.475

9.30

Ø0.10

ØPTH

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

0.15

1.70
MAX

1.35
11X

14.00
(FULLY MATED)

11.91

9.96

14.85

16.80

KEEP-OUT ZONE

Ø2.45 ±0.04
UNPLATED HOLE
2X

2X

2X

BP PIN COL 1
(SIGNAL)

BACKPLANE (REF)

PIN A1

4.05

0.95

1.90

2.15

5.475

9.30

Ø0.10

ØPTH

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

0.15

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MAX

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14.00
(FULLY MATED)

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KEEP-OUT ZONE

Ø2.45 ±0.04
UNPLATED HOLE
2X

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2X

BP PIN COL 1
(SIGNAL)

BACKPLANE (REF)

PIN A1

4.05

DAUGHTERCARD HOLE PATTERN
(CONNECTOR SIDE)

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

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

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL

±

0.5°

4 PLACES

±

3 PLACES

±

2 PLACES

±

0.15

1 PLACE

±

0.25

0 PLACES

±

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

76850

CURRENT REV

DESC: MIGRATED TO NX

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

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