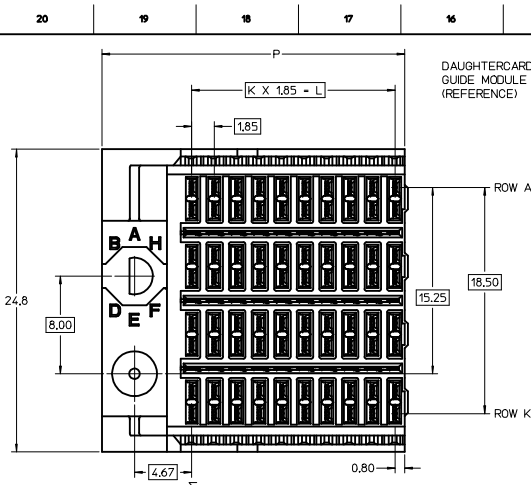
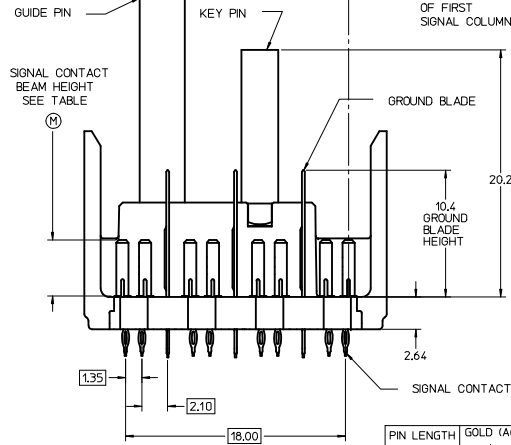
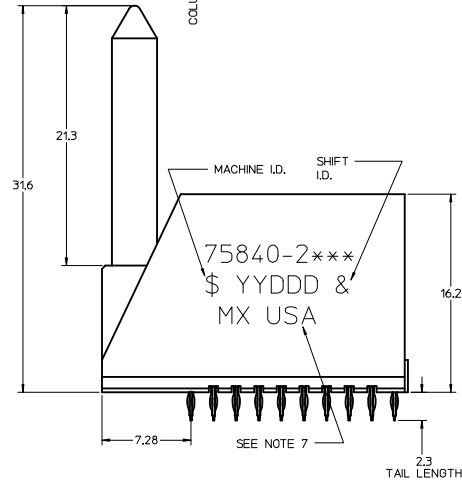




DAUGHTERCARD  
GUIDE MODULE  
(REFERENCE)

ROW A

ROW K



SIGNAL CONTACT  
BEAM HEIGHT  
SEE TABLE

FROM TOP OF  
DC PCB TO  
CENTERLINE  
OF FIRST  
SIGNAL COLUMN

10.4  
GROUND  
BLADE  
HEIGHT

#### NOTES:

1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0, COLOR - GRAY, ELECTRICALLY ENHANCED INSERT: CONDUCTIVE RESIN, COLOR - RED, SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA, SELECTIVE MATTE TIN (Sn) ON PCB TAILS, NICKEL (Ni) OVERALL.
3. THESE PARTS CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY, CONTACT PAIRS MUST BE THE SAME LENGTH.
5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
6. PACKAGE PER PK-70873-563.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.
8. OPTIONAL HOLE LOCATION FOR GROUNDED GUIDE PIN OR ADDITIONAL GUIDE PIN SUPPORT. SEE DRAWING SD-75234-100 FOR DETAIL & LOCATION.
9. MINIMUM BOARD THICKNESS: 1.6
10. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.
11. MAPS (MOLEX ADVANCED PLATING SYSTEM).

75840-2 \* \* \*

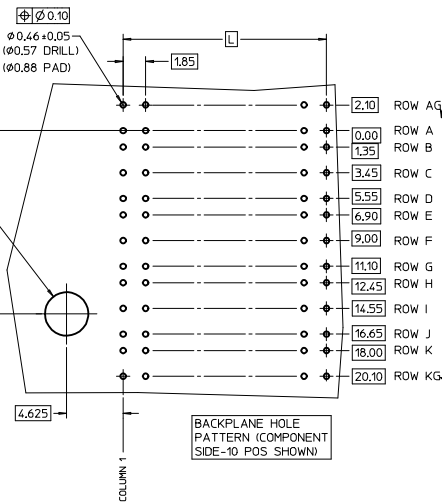
COLUMNS  
21-10 COL  
22-25 COL

KEYING  
ORIENTATION  
0 = NONE  
1 = A  
2 = B  
ETC...

| PIN LENGTH<br>DIM "M" | GOLD (Au) THICKNESS<br>micrometers |
|-----------------------|------------------------------------|
| 0-3.55 mm             | 0.25 (MAPS)                        |
| 1-4.55 mm             |                                    |
| 2-5.55 mm             |                                    |
| 3-3.55 mm             | 0.76                               |
| 4-4.55 mm             |                                    |
| 5-5.55 mm             |                                    |
| 7-3.55 mm             |                                    |
| 8-4.55 mm             | 1.27                               |
| 9-5.55 mm             |                                    |

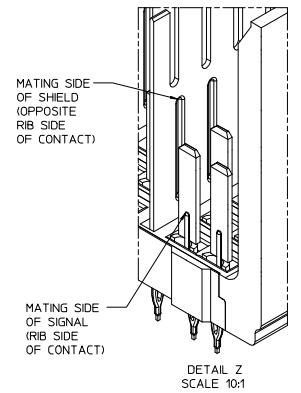
#### PART NUMBER TABLE

| ASSY PART NO. | K  | L     | P     | TOTAL NO. OF<br>DIFFERENTIAL PAIRS |
|---------------|----|-------|-------|------------------------------------|
| 75840-21**    | 9  | 16.65 | 24.78 | 40                                 |
| 75840-22**    | 24 | 44.40 | 52.53 | 100                                |



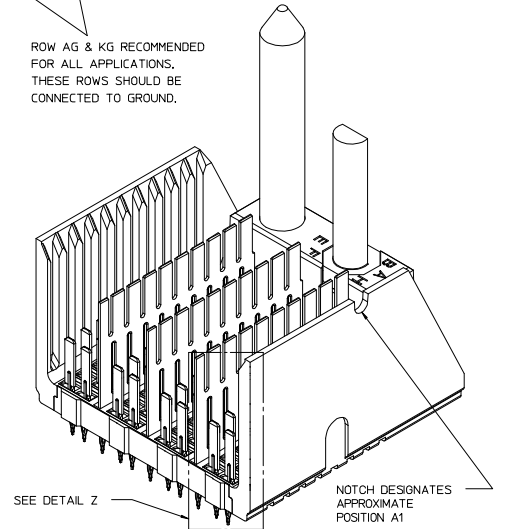
BACKPLANE HOLE  
PATTERN (COMPONENT  
SIDE-10 POS SHOWN)

ROW AG & KG RECOMMENDED  
FOR ALL APPLICATIONS,  
THESE ROWS SHOULD BE  
CONNECTED TO GROUND.



DETAIL Z  
SCALE 10:1

LEAD-FREE  
PLATING ON  
SIGNALS &  
GROUNDS



| P/N<br>75840-(-)          | --*0* | --*1* | --*2* | --*3* | --*4* | --*5* | --*6* | --*7* | --*8* |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                           | 0     | A     | B     | C     | D     | E     | F     | G     | H     |
| KEYING PIN<br>ORIENTATION |       |       |       |       |       |       |       |       |       |

|                                                                                                         |                 |                                                            |                                       |  |                 |                                                                                                                               |                         |              |                                                                                                              |
|---------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------|---------------------------------------|--|-----------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|--------------------------------------------------------------------------------------------------------------|
| ADD MAPS<br>EC NO: UCP2013-5239<br>2013/06/10<br>CHOW/VA001<br>CHOW/VA001<br>APPROX/VA001<br>2014/02/03 | QUALITY SYMBOLS | DESCRIPTION                                                | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE |                                                                                                                               | SCALE                   | DESIGN UNITS |  THIRD ANGLE PROJECTION |
|                                                                                                         |                 |                                                            | MM ONLY                               |  |                 | METRIC                                                                                                                        |                         |              |                                                                                                              |
|                                                                                                         |                 |                                                            |                                       |  | DRAWN BY        | DATE                                                                                                                          | TITLE                   |              |                                                                                                              |
|                                                                                                         |                 |                                                            |                                       |  | JB INGHAM       | 2009/03/18                                                                                                                    | GBX 4-PAIR BACKPLANE    |              |                                                                                                              |
|                                                                                                         |                 |                                                            |                                       |  | CHECKED BY      | DATE                                                                                                                          | ELECTRICALLY ENHANCED   |              |                                                                                                              |
|                                                                                                         |                 |                                                            |                                       |  | JLAURX          | 2009/03/14                                                                                                                    | LEFT END SALES ASSEMBLY |              |                                                                                                              |
|                                                                                                         |                 |                                                            |                                       |  | APPROVED BY     | DATE                                                                                                                          |                         |              |                                                                                                              |
|                                                                                                         |                 |                                                            |                                       |  | SMILLER         | 2014/02/03                                                                                                                    |                         |              |                                                                                                              |
|                                                                                                         |                 |                                                            |                                       |  | MATERIAL NO.    | DOCUMENT NO.                                                                                                                  |                         |              |                                                                                                              |
|                                                                                                         |                 |                                                            |                                       |  | SEE CHART       |                                                                                                                               | SD-75840-210            | SHEET NO.    |                                                                                                              |
| DRAWING                                                                                                 | REV             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | ANGULAR ±---°                         |  | SIZE            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                         |              |                                                                                                              |
|                                                                                                         |                 |                                                            |                                       |  | D               |                                                                                                                               |                         |              |                                                                                                              |