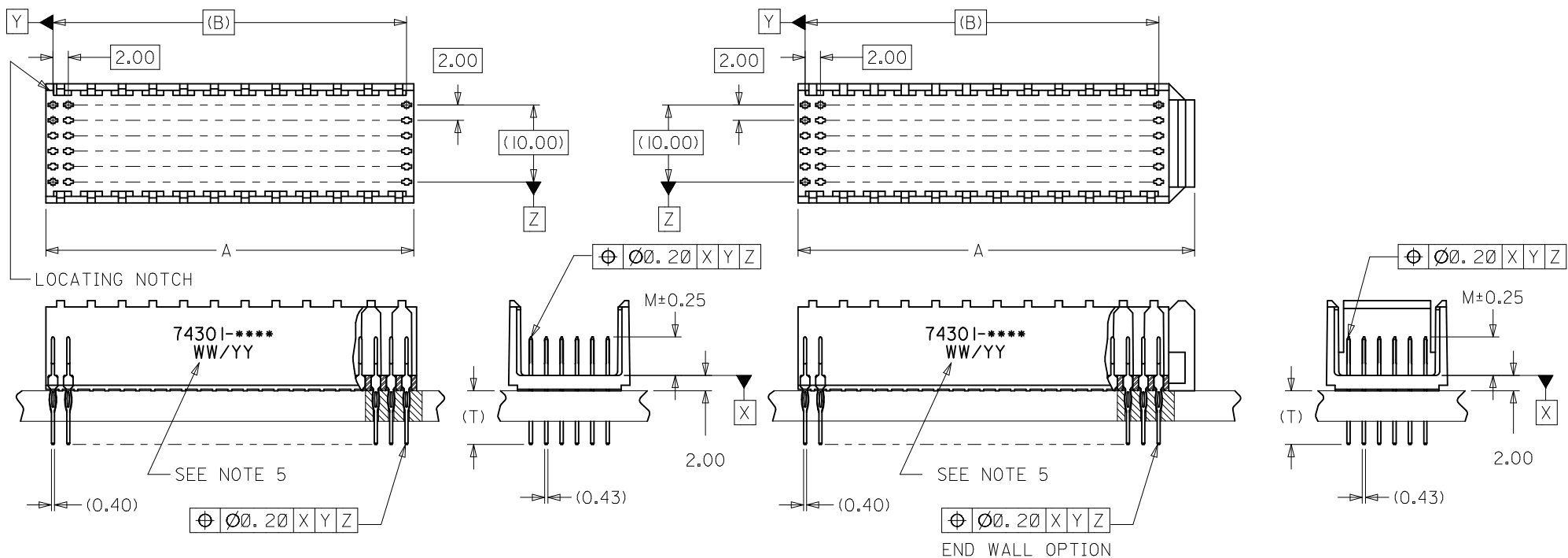


NOTES:

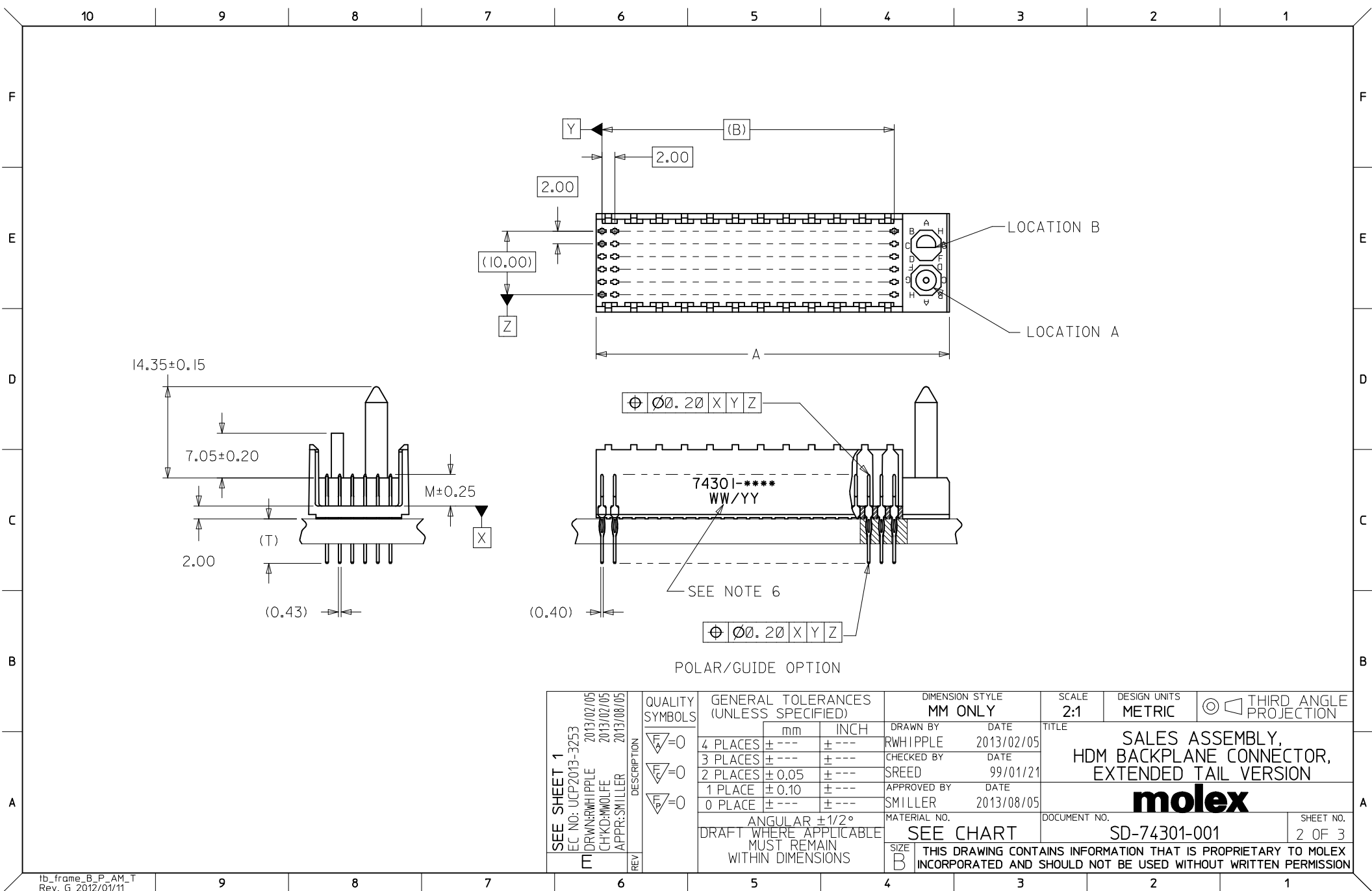
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL 94V-0, COLOR: BLACK.  
CONTACT - PHOSPHOR BRONZE.
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.76 MICROMETERS MINIMUM THICKNESS;  
SELECTIVE MATTE TIN (Sn) ON IN TAIL AREA.  
NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
4. PACKAGE PER 70873-0868.
5. PARTS MARKED WITH PART NUMBER AND DATE CODE ON EITHER SIDE,  
APPROXIMATELY WHERE SHOWN.



OPEN END OPTION

END WALL OPTION

|                                                                                                                                  |             |                                                                                                     |                                                            |  |                                                                                                                                  |                    |                                                                               |                        |                        |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------|------------------------|------------------------|--|--|
| LEAD FREE CONVERSION<br>EC NO: UCP2013-3253<br>DRAWN: RWHIPPLE 2013/02/05<br>CHKD: MWOLFE 2013/02/05<br>APPR: SMILLER 2013/08/05 | DESCRIPTION | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>B</sub>=0</div> <div>F<sub>C</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY                                                                                                       |                    | SCALE<br>2:1                                                                  | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |  |
|                                                                                                                                  |             |                                                                                                     | <div>mmINCH</div>                                          |  | DRAWN BY<br>RWHIPPLE                                                                                                             | DATE<br>2013/02/05 | TITLE<br>SALES ASSEMBLY,<br>HDM BACKPLANE CONNECTOR,<br>EXTENDED TAIL VERSION |                        |                        |  |  |
|                                                                                                                                  |             |                                                                                                     |                                                            |  | CHECKED BY<br>SREED                                                                                                              | DATE<br>99/01/21   |                                                                               |                        |                        |  |  |
|                                                                                                                                  |             |                                                                                                     |                                                            |  | APPROVED BY<br>SMILLER                                                                                                           | DATE<br>2013/08/05 | molex                                                                         |                        |                        |  |  |
|                                                                                                                                  |             |                                                                                                     |                                                            |  | MATERIAL NO.                                                                                                                     |                    |                                                                               |                        |                        |  |  |
|                                                                                                                                  |             |                                                                                                     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SEE CHART                                                                                                                        |                    | SD-74301-001                                                                  |                        | 1 OF 3                 |  |  |
|                                                                                                                                  |             |                                                                                                     |                                                            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                               |                        |                        |  |  |
|                                                                                                                                  |             |                                                                                                     |                                                            |  |                                                                                                                                  |                    |                                                                               |                        |                        |  |  |
|                                                                                                                                  |             |                                                                                                     |                                                            |  |                                                                                                                                  |                    |                                                                               |                        |                        |  |  |
|                                                                                                                                  |             |                                                                                                     |                                                            |  |                                                                                                                                  |                    |                                                                               |                        |                        |  |  |



MATERIAL NUMBER ASSIGNMENT

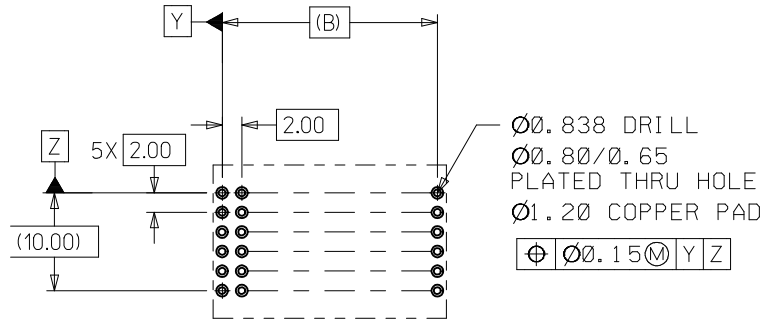
0 = 72-CIRCUIT OPEN END  
1 = 144-CIRCUIT OPEN END  
2 = 72-CIRCUIT END WALL  
3 = 144-CIRCUIT END WALL  
4 = 72-CIRCUIT POALR/GUIDE  
5 = 144-CIRCUIT POLAR/GUIDE

0 = 5.0mm MATING, 7.0mm TAIL  
1 = 5.5mm MATING, 7.0mm TAIL  
2 = 6.0mm MATING, 7.0mm TAIL

74301- \* \* \* \*

| NUMBER | GUIDE POST LOCATION | POLAR KEY POSITION |
|--------|---------------------|--------------------|
| 00     | N/A                 | N/A                |
| 01     | B                   | A                  |
| 02     | A                   |                    |
| 03     | B                   | B                  |
| 04     | A                   |                    |
| 05     | B                   | C                  |
| 06     | A                   |                    |
| 07     | B                   | D                  |
| 08     | A                   |                    |
| 09     | B                   | E                  |
| 10     | A                   |                    |
| 11     | B                   | F                  |
| 12     | A                   |                    |
| 13     | B                   | G                  |
| 14     | A                   |                    |
| 15     | B                   | H                  |
| 16     | A                   |                    |
| 17     | B                   | N/A                |
| 18     | A                   |                    |

| PART NUMBER | DIM A | DIM B | DIM M | DIM T |
|-------------|-------|-------|-------|-------|
| 74301-0000  | 23.8  | 22.00 | 5.00  | 7.00  |
| 74301-0100  | 23.8  | 22.00 | 5.50  | 7.00  |
| 74301-0200  | 23.8  | 22.00 | 6.00  | 7.00  |
| 74301-1000  | 47.8  | 46.00 | 5.00  | 7.00  |
| 74301-1100  | 47.8  | 46.00 | 5.50  | 7.00  |
| 74301-1200  | 47.8  | 46.00 | 6.00  | 7.00  |
| 74301-2000  | 27.6  | 22.00 | 5.00  | 7.00  |
| 74301-2100  | 27.6  | 22.00 | 5.50  | 7.00  |
| 74301-2200  | 27.6  | 22.00 | 6.00  | 7.00  |
| 74301-3000  | 51.6  | 46.00 | 5.00  | 7.00  |
| 74301-3100  | 51.6  | 46.00 | 5.50  | 7.00  |
| 74301-3200  | 51.6  | 46.00 | 6.00  | 7.00  |
| 74301-40**  | 31.6  | 22.00 | 5.00  | 7.00  |
| 74301-41**  | 31.6  | 22.00 | 5.50  | 7.00  |
| 74301-42**  | 31.6  | 22.00 | 6.00  | 7.00  |
| 74301-50**  | 55.6  | 46.00 | 5.00  | 7.00  |
| 74301-51**  | 55.6  | 46.00 | 5.50  | 7.00  |
| 74301-52**  | 55.6  | 46.00 | 6.00  | 7.00  |



PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: 2.50 MIN.

SEE SHEET 1

EC NO: UCP2013-3253

DRWN:RWHPLE 2013/02/05

CHKD:MMOLFE 2013/02/05

APPR:SMILLER 2013/08/05

REV

QUALITY SYMBOLS

$\nabla F=0$

$\nabla E=0$

$\nabla D=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm         | INCH      |
|----------|------------|-----------|
| 4 PLACES | $\pm$ ---  | $\pm$ --- |
| 3 PLACES | $\pm$ ---  | $\pm$ --- |
| 2 PLACES | $\pm$ 0.05 | $\pm$ --- |
| 1 PLACE  | $\pm$ 0.10 | $\pm$ --- |
| 0 PLACE  | $\pm$ ---  | $\pm$ --- |

ANGULAR  $\pm 1/2^\circ$

DRAFT WHERE APPLICABLE

MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

|             |            |
|-------------|------------|
| DRAWN BY    | DATE       |
| RWHIPPLE    | 2013/02/05 |
| CHECKED BY  | DATE       |
| SREED       | 99/01/21   |
| APPROVED BY | DATE       |
| SMILLER     | 2013/08/05 |

MATERIAL NO.

SEE CHART

SIZE B

SCALE

2:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

SALES ASSEMBLY,  
HDM BACKPLANE CONNECTOR,  
EXTENDED TAIL VERSION

**molex**

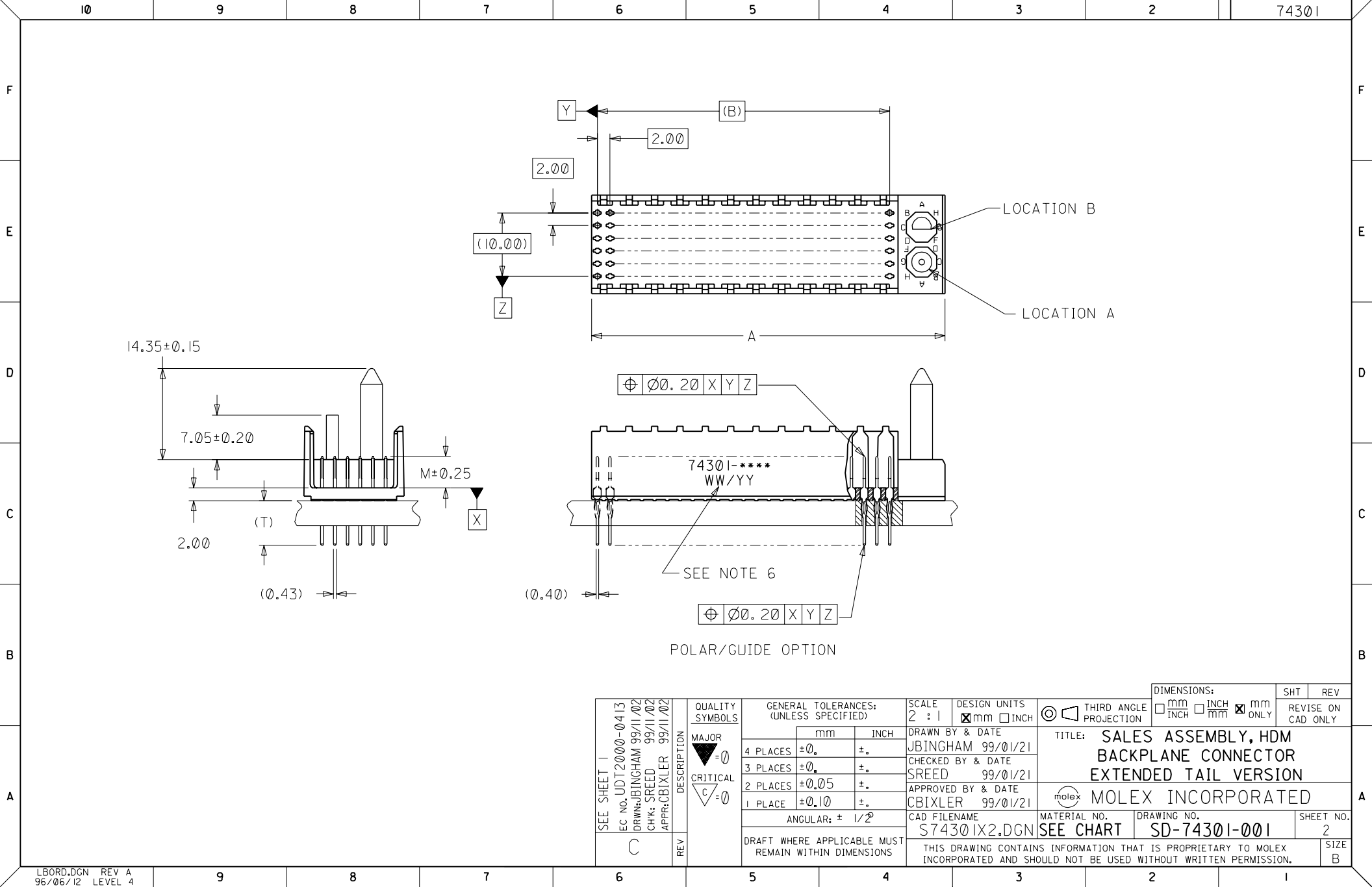
DOCUMENT NO.

SD-74301-001

SHEET NO.

3 OF 3

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



MATERIAL NUMBER ASSIGNMENT

0 = 72-CIRCUIT OPEN END  
1 = 144-CIRCUIT OPEN END  
2 = 72-CIRCUIT END WALL  
3 = 144-CIRCUIT END WALL  
4 = 72-CIRCUIT POALR/GUIDE  
5 = 144-CIRCUIT POLAR/GUIDE

0 = 5.0mm MATING, 7.0mm TAIL  
1 = 5.5mm MATING, 7.0mm TAIL  
2 = 6.0mm MATING, 7.0mm TAIL

74301- \* \* \* \*

| NUMBER | GUIDE POST LOCATION | POLAR KEY POSITION |
|--------|---------------------|--------------------|
| 00     | N/A                 | N/A                |
| 01     | B                   | A                  |
| 02     | A                   |                    |
| 03     | B                   | B                  |
| 04     | A                   |                    |
| 05     | B                   | C                  |
| 06     | A                   |                    |
| 07     | B                   | D                  |
| 08     | A                   |                    |
| 09     | B                   | E                  |
| 10     | A                   |                    |
| 11     | B                   | F                  |
| 12     | A                   |                    |
| 13     | B                   | G                  |
| 14     | A                   |                    |
| 15     | B                   | H                  |
| 16     | A                   |                    |
| 17     | B                   | N/A                |
| 18     | A                   |                    |

| PART NUMBER | DIM A | DIM B | DIM M | DIM T |
|-------------|-------|-------|-------|-------|
| 74301-0000  | 23.8  | 22.00 | 5.00  | 7.00  |
| 74301-0100  | 23.8  | 22.00 | 5.50  | 7.00  |
| 74301-0200  | 23.8  | 22.00 | 6.00  | 7.00  |
| 74301-1000  | 47.8  | 46.00 | 5.00  | 7.00  |
| 74301-1100  | 47.8  | 46.00 | 5.50  | 7.00  |
| 74301-1200  | 47.8  | 46.00 | 6.00  | 7.00  |
| 74301-2000  | 27.6  | 22.00 | 5.00  | 7.00  |
| 74301-2100  | 27.6  | 22.00 | 5.50  | 7.00  |
| 74301-2200  | 27.6  | 22.00 | 6.00  | 7.00  |
| 74301-3000  | 51.6  | 46.00 | 5.00  | 7.00  |
| 74301-3100  | 51.6  | 46.00 | 5.50  | 7.00  |
| 74301-3200  | 51.6  | 46.00 | 6.00  | 7.00  |
| 74301-40**  | 31.6  | 22.00 | 5.00  | 7.00  |
| 74301-41**  | 31.6  | 22.00 | 5.50  | 7.00  |
| 74301-42**  | 31.6  | 22.00 | 6.00  | 7.00  |
| 74301-50**  | 55.6  | 46.00 | 5.00  | 7.00  |
| 74301-51**  | 55.6  | 46.00 | 5.50  | 7.00  |
| 74301-52**  | 55.6  | 46.00 | 6.00  | 7.00  |



PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: 2.50 MIN.

|                                                                                                              |                                  |                                           |  |                                        |                                                                                      |                           |                                                                                                                      |  |                           |                             |                |
|--------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--|----------------------------------------|--------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------|--|---------------------------|-----------------------------|----------------|
| SEE SHEET 1<br>EC NO. UDT2000-0413<br>DRWN:JBINGHAM 99/11/02<br>CHK: SREED 99/11/02<br>APPR:CBIXLER 99/11/02 | DESCRIPTION<br>MAJOR<br>CRITICAL | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED) |  | SCALE<br>2 : 1                         | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | THIRD ANGLE<br>PROJECTION | DIMENSIONS:<br><input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY |  | SHT                       | REV                         |                |
|                                                                                                              |                                  |                                           |  | DRAWN BY & DATE<br>JBINGHAM 99/01/21   |                                                                                      |                           | TITLE: SALES ASSEMBLY, HDM<br>BACKPLANE CONNECTOR<br>EXTENDED TAIL VERSION                                           |  | MATERIAL NO.<br>SEE CHART | DRAWING NO.<br>SD-74301-001 | SHEET NO.<br>3 |
|                                                                                                              |                                  |                                           |  | CHECKED BY & DATE<br>SREED 99/01/21    |                                                                                      |                           | MOLEX INCORPORATED                                                                                                   |  |                           |                             |                |
|                                                                                                              |                                  |                                           |  | APPROVED BY & DATE<br>CBIXLER 99/01/21 |                                                                                      |                           | CAD FILENAME<br>S74301X3.DGN                                                                                         |  |                           |                             |                |
| DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS                                                      |                                  |                                           |  |                                        |                                                                                      |                           |                                                                                                                      |  |                           |                             |                |