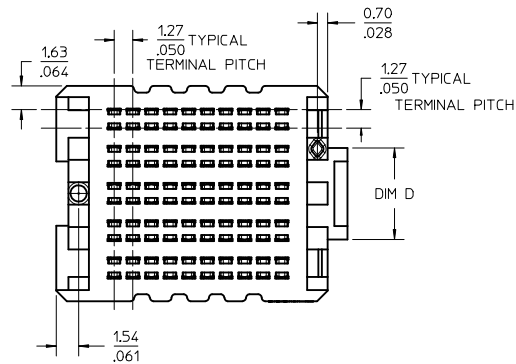
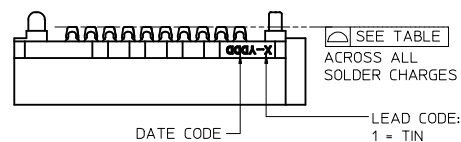


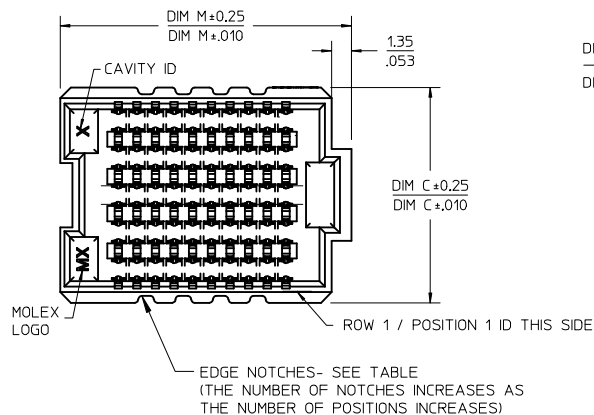
10 9 8 7 6 5 4 3 2 1



10 ROW  
10 POSITION  
SHOWN



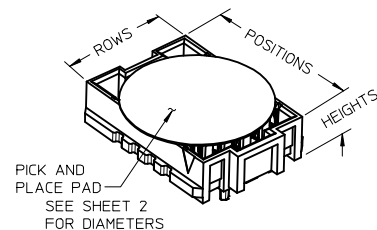
NOTE: THESE CODES MAY BE LOCATED  
ON EITHER SIDE OF THE HOUSING



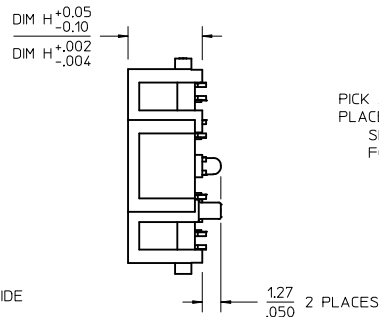
SEE SHEET 3 FOR  
6 ROW GEOMETRY

#### NOTES:

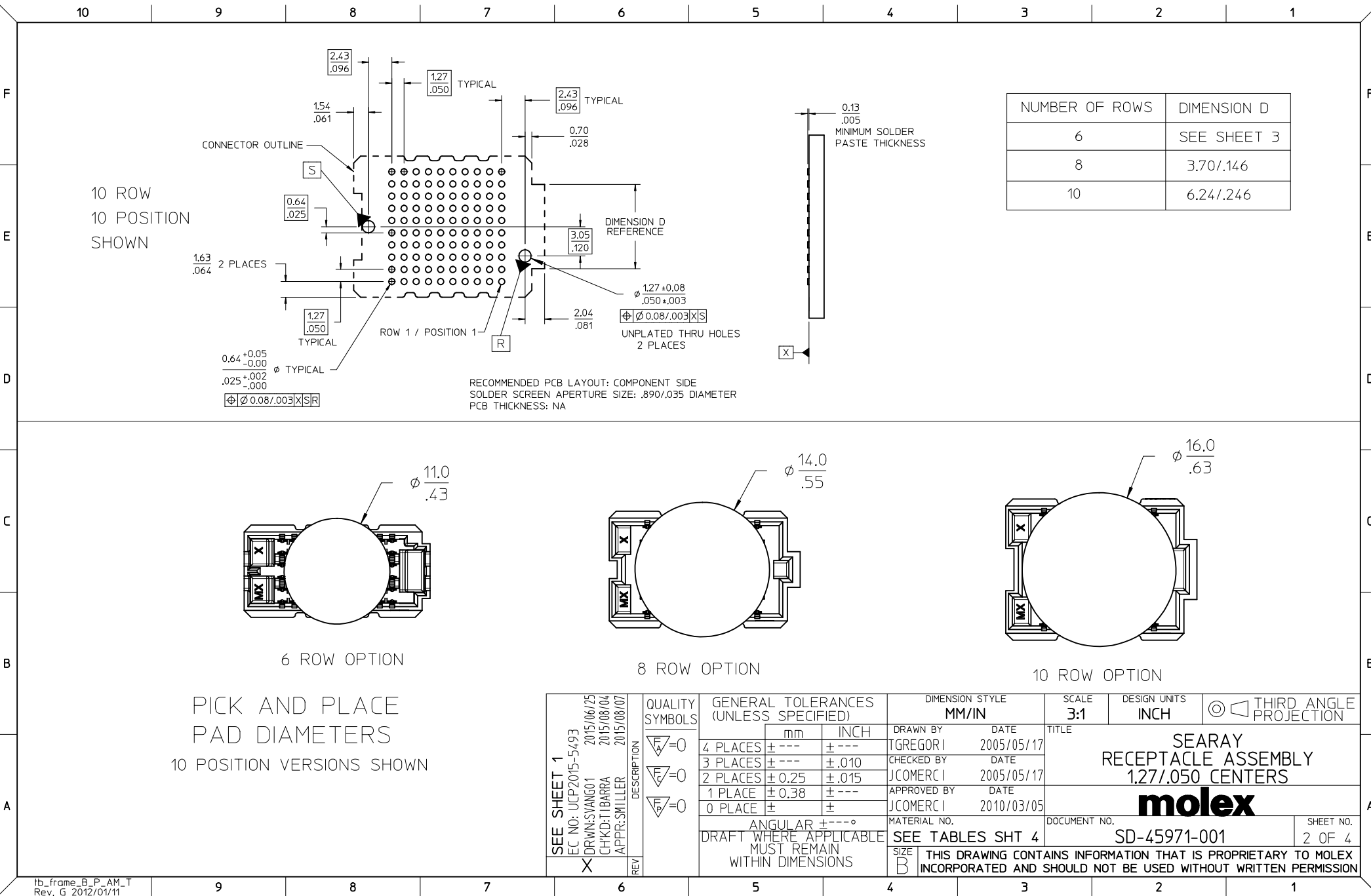
1. MATERIALS: HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94V-0, BLACK  
CONTACTS: COPPER ALLOY  
SOLDER CHARGE: 95% TIN, 3.8% SILVER, 0.7% COPPER
2. FINISH: SELECT GOLD IN CONTACT AREA: 30 MICROINCH MINIMUM  
SELECT TIN IN TAIL, 50 MICROINCH MINIMUM  
OVERALL NICKEL UNDERPLATE
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: PK-45971-002 (TAPE AND REEL)
5. MATES WITH SEARAY PLUG ASSEMBLY SERIES 45970
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
8. PART STATUS: CONTACT MOLEX



| POSITIONS | TOTAL NUMBER<br>OF EDGE NOTCHES |           |
|-----------|---------------------------------|-----------|
| 10        | 8                               | 0.15/.006 |
| 15        | 14                              |           |
| 20        | 18                              |           |
| 25        | 24                              |           |
| 30        | 28                              |           |
| 35        | 34                              | 0.23/.009 |
| 40        | 38                              |           |
| 45        | 44                              |           |
| 50        | 48                              |           |



|                                                                                                                                    |                                         |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                      |                                                                   |                                                                             |  |                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------|--|-----------------------------------------------------|
| CLARIFY OVERALL LENGTH<br>EC NO: UCP2015-5493<br>DRAWN: SVANG01 2015/06/15<br>CHKD: TIBARRA 2015/08/04<br>APPR: SMILLER 2015/08/07 | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .010<br>2 PLACES ± 0.25 ± .015<br>1 PLACE ± 0.38 ± ---<br>0 PLACE ± ±<br>ANGULAR ± ---°<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | DIMENSION STYLE<br>MM/IN<br>DRAWN BY DATE<br>T GREGORI 2005/05/17<br>CHECKED BY DATE<br>JCOMERCI 2005/05/17<br>APPROVED BY DATE<br>JCOMERCI 2010/03/05<br>MATERIAL NO.<br>SEE TABLES SHT 4<br>SIZE B | SCALE<br>3:1<br>DESIGN UNITS<br>INCH<br>THIRD ANGLE<br>PROJECTION | TITLE<br>SEARAY<br>RECEPTACLE ASSEMBLY<br>1.27/.050 CENTERS<br><b>molex</b> |  | DOCUMENT NO.<br>SD-45971-001<br>SHEET NO.<br>1 OF 4 |
|                                                                                                                                    |                                         |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                      |                                                                   |                                                                             |  |                                                     |
|                                                                                                                                    |                                         |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                      |                                                                   |                                                                             |  |                                                     |
|                                                                                                                                    |                                         |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                      |                                                                   |                                                                             |  |                                                     |



| NUMBER OF ROWS | DIMENSION D |
|----------------|-------------|
| 6              | SEE SHEET 3 |
| 8              | 3.70/.146   |
| 10             | 6.24/.246   |

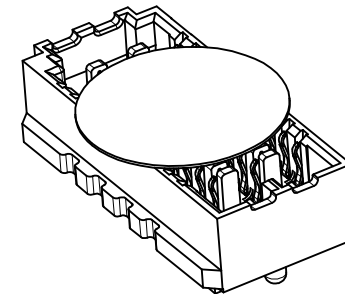
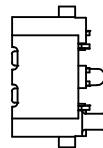
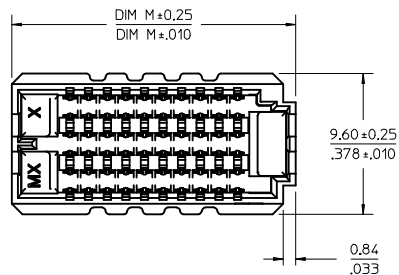
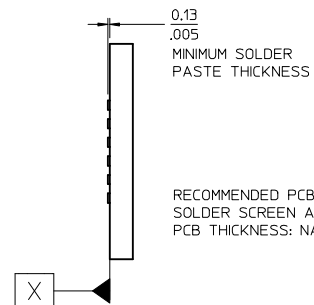
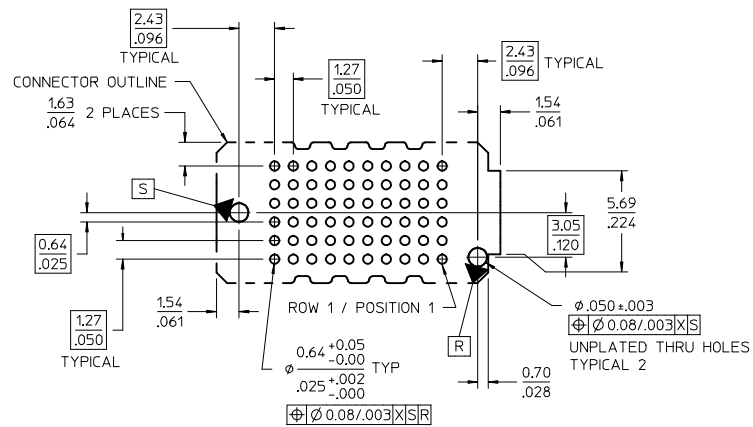
RECOMMENDED PCB LAYOUT: COMPONENT SIDE  
SOLDER SCREEN APERTURE SIZE: .890/.035 DIAMETER  
PCB THICKNESS: NA

PICK AND PLACE  
PAD DIAMETERS  
10 POSITION VERSIONS SHOWN

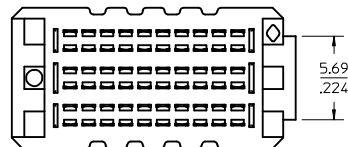
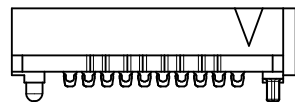
|                                                                                                                     |             |                                                                     |                                       |                  |                     |                                                                                                                               |                                                                                     |              |                        |  |  |
|---------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------|---------------------------------------|------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|------------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2015-5493<br>DRWN:SVANG01 2015/06/25<br>CHKD:TIBARRA 2015/08/04<br>APPR:SMILLER 2015/08/07 | DESCRIPTION | QUALITY SYMBOLS                                                     | GENERAL TOLERANCES (UNLESS SPECIFIED) |                  | DIMENSION STYLE     |                                                                                                                               | SCALE                                                                               | DESIGN UNITS | THIRD ANGLE PROJECTION |  |  |
|                                                                                                                     |             |                                                                     |                                       |                  | MM/IN               |                                                                                                                               | 3:1                                                                                 | INCH         |                        |  |  |
|                                                                                                                     |             |                                                                     |                                       |                  | DRAWN BY DATE       |                                                                                                                               | TITLE<br><br>SEARAY<br>RECEPTACLE ASSEMBLY<br>1.27/.050 CENTERS<br><br><b>molex</b> |              |                        |  |  |
|                                                                                                                     |             |                                                                     |                                       |                  | TGREGORI 2005/05/17 |                                                                                                                               |                                                                                     |              |                        |  |  |
|                                                                                                                     |             |                                                                     |                                       |                  | CHECKED BY DATE     |                                                                                                                               |                                                                                     |              |                        |  |  |
|                                                                                                                     |             | JCOMERCI 2005/05/17                                                 |                                       |                  |                     |                                                                                                                               |                                                                                     |              |                        |  |  |
| X                                                                                                                   | REV         | F <sub>A</sub> =0<br><br>F <sub>G</sub> =0<br><br>F <sub>P</sub> =0 | mm INCH                               |                  | APPROVED BY DATE    |                                                                                                                               | DOCUMENT NO.<br><br>SD-45971-001                                                    |              |                        |  |  |
|                                                                                                                     |             |                                                                     | 4 PLACES ± --- ± ---                  |                  | JCOMERCI 2010/03/05 |                                                                                                                               |                                                                                     |              |                        |  |  |
|                                                                                                                     |             |                                                                     | 3 PLACES ± --- ± .010                 |                  |                     |                                                                                                                               |                                                                                     |              |                        |  |  |
|                                                                                                                     |             |                                                                     | 2 PLACES ± 0.25 ± .015                |                  |                     |                                                                                                                               |                                                                                     |              |                        |  |  |
|                                                                                                                     |             |                                                                     | 1 PLACE ± 0.38 ± ---                  |                  |                     |                                                                                                                               |                                                                                     |              |                        |  |  |
| 0 PLACE ± ±                                                                                                         |             |                                                                     |                                       | MATERIAL NO.     |                     | SHEET NO.                                                                                                                     |                                                                                     |              |                        |  |  |
|                                                                                                                     |             |                                                                     |                                       | SEE TABLES SHT 4 |                     | 2 OF 4                                                                                                                        |                                                                                     |              |                        |  |  |
|                                                                                                                     |             |                                                                     |                                       | SIZE B           |                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                     |              |                        |  |  |

10 9 8 7 6 5 4 3 2 1

6 ROW  
10 POSITION

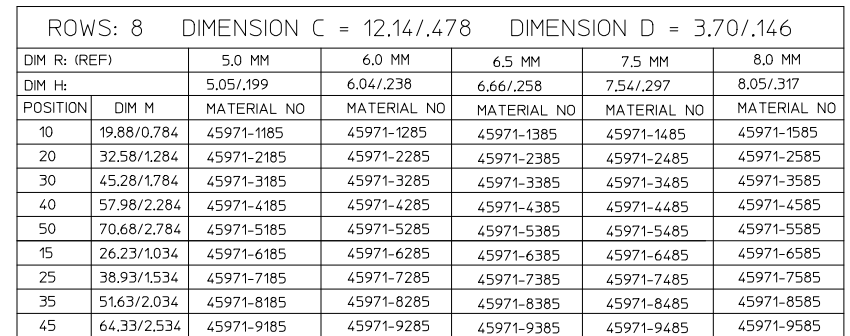


6 ROW  
10 POSITION  
SHOWN



|                                                                                                                              |                    |                                                                 |                                                            |                                                                                                                                  |                          |                    |                                                             |                      |                        |                              |  |  |
|------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------|-------------------------------------------------------------|----------------------|------------------------|------------------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2015-5493<br>DRAWN: SVANG01 2015/06/25<br>CHKD: TIBARRA 2015/08/04<br>APPR: SMILLER 2015/08/07<br>X | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                                                                                                                                  | DIMENSION STYLE<br>MM/IN |                    | SCALE<br>3:1                                                | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |                              |  |  |
|                                                                                                                              |                    |                                                                 |                                                            |                                                                                                                                  | DRAWN BY<br>TGREGORI     | DATE<br>2005/05/17 | TITLE<br>SEARAY<br>RECEPTACLE ASSEMBLY<br>1.27/.050 CENTERS |                      |                        |                              |  |  |
|                                                                                                                              |                    |                                                                 |                                                            |                                                                                                                                  | CHECKED BY<br>JCOMERC I  | DATE<br>2005/05/17 |                                                             |                      |                        |                              |  |  |
|                                                                                                                              |                    |                                                                 |                                                            |                                                                                                                                  | APPROVED BY<br>JCOMERC I | DATE<br>2010/03/05 |                                                             |                      |                        | DOCUMENT NO.<br>SD-45971-001 |  |  |
|                                                                                                                              |                    |                                                                 | ANGULAR ± ---°                                             |                                                                                                                                  | MATERIAL NO.             |                    | SHEET NO.<br>3 OF 4                                         |                      |                        |                              |  |  |
|                                                                                                                              |                    |                                                                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  | SEE TABLES SHT 4         |                    |                                                             |                      |                        |                              |  |  |
|                                                                                                                              |                    | SIZE<br>B                                                       |                                                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |                    |                                                             |                      |                        |                              |  |  |

| ROWS: 10    DIMENSION C = 14,68/578    DIMENSION D = 6.24/246 |             |             |             |             |             |             |
|---------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DIM R: (REF)                                                  |             | 5.0 MM      | 6.0 MM      | 6.5 MM      | 7.5 MM      | 8.0 MM      |
| DIM H:                                                        |             | 5.05/199    | 6.04/238    | 6.66/258    | 7.54/297    | 8.05/317    |
| POSITION                                                      | DIM M       | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO |
| 10                                                            | 19.88/0.784 | 45971-1115  | 45971-1215  | 45971-1315  | 45971-1415  | 45971-1515  |
| 20                                                            | 32.58/1.284 | 45971-2115  | 45971-2215  | 45971-2315  | 45971-2415  | 45971-2515  |
| 30                                                            | 45.28/1.784 | 45971-3115  | 45971-3215  | 45971-3315  | 45971-3415  | 45971-3515  |
| 40                                                            | 57.98/2.284 | 45971-4115  | 45971-4215  | 45971-4315  | 45971-4415  | 45971-4515  |
| 50                                                            | 70.68/2.784 | 45971-5115  | 45971-5215  | 45971-5315  | 45971-5415  | 45971-5515  |
| 15                                                            | 26.23/1.034 | 45971-6115  | 45971-6215  | 45971-6315  | 45971-6415  | 45971-6515  |
| 25                                                            | 38.93/1.534 | 45971-7115  | 45971-7215  | 45971-7315  | 45971-7415  | 45971-7515  |
| 35                                                            | 51.63/2.034 | 45971-8115  | 45971-8215  | 45971-8315  | 45971-8415  | 45971-8515  |
| 45                                                            | 64.33/2.534 | 45971-9115  | 45971-9215  | 45971-9315  | 45971-9415  | 45971-9515  |



MATING STACK HEIGHTS (DIMENSION R)  
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY

|                                                                                                                                  |                                                                   |                        |                                                                                         |                                                                                                     |  |                                                                                                                                                                                                            |  |                                                                                                                                          |              |                                        |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------|--|
| <div>SEE SHEET 1</div> <div>EC NO: UCP2015-5493</div> <div>DRWNS:VANG01</div> <div>CH'KD: TIBARRA</div> <div>APPR: SMILLER</div> | <div>2015/06/25</div> <div>2015/08/04</div> <div>2015/08/07</div> | <div>DESCRIPTION</div> | <div>QUALITY SYMBOLS</div> <div> <div>FA=0</div> <div>FC=0</div> <div>FP=0</div> </div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                               |  | DIMENSION STYLE                                                                                                                                                                                            |  | SCALE                                                                                                                                    | DESIGN UNITS | THIRD ANGLE PROJECTION                 |  |
|                                                                                                                                  |                                                                   |                        |                                                                                         |                                                                                                     |  | MM/IN                                                                                                                                                                                                      |  | 1:1                                                                                                                                      | INCH         |                                        |  |
|                                                                                                                                  |                                                                   |                        |                                                                                         | <div>mm</div> <div>INCH</div>                                                                       |  | <div>DRAWN BY</div> <div>DATE</div>                                                                                                                                                                        |  | TITLE                                                                                                                                    |              |                                        |  |
|                                                                                                                                  |                                                                   |                        |                                                                                         | <div>4 PLACES</div> <div>3 PLACES</div> <div>2 PLACES</div> <div>1 PLACE</div> <div>0 PLACE</div>   |  | <div>TGREGORI</div> <div>2005/05/17</div> <div>CHECKED BY</div> <div>DATE</div> <div>JCOMERCI</div> <div>2005/05/17</div> <div>APPROVED BY</div> <div>DATE</div> <div>JCOMERCI</div> <div>2010/03/05</div> |  | <div>SEARAY</div> <div>RECEPTACLE ASSEMBLY</div> <div>1.27/.050 CENTERS</div>                                                            |              |                                        |  |
|                                                                                                                                  |                                                                   |                        |                                                                                         | <div>ANGULAR ±---°</div> <div>DRAFT WHERE APPLICABLE</div> <div>MUST REMAIN WITHIN DIMENSIONS</div> |  | <div>MATERIAL NO.</div> <div>SEE TABLES</div>                                                                                                                                                              |  | <div>DOCUMENT NO.</div> <div>SD-45971-001</div>                                                                                          |              | <div>SHEET NO.</div> <div>4 OF 4</div> |  |
|                                                                                                                                  |                                                                   | REV                    |                                                                                         |                                                                                                     |  | <div>SIZE</div> <div>B</div>                                                                                                                                                                               |  | <div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div> |              |                                        |  |