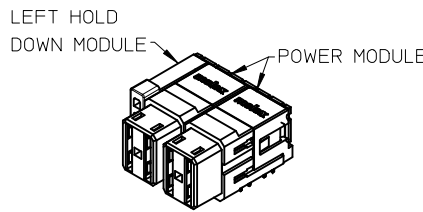
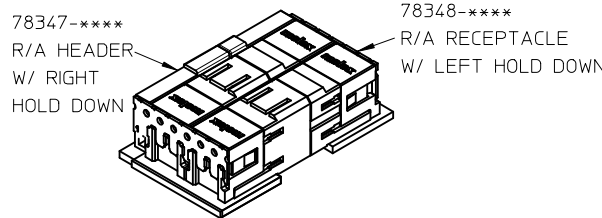
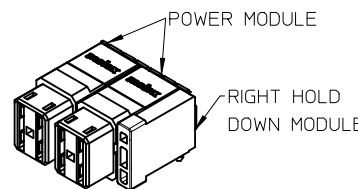
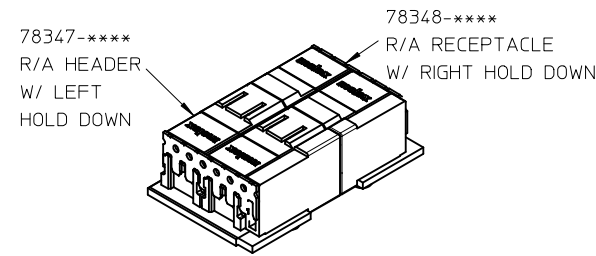
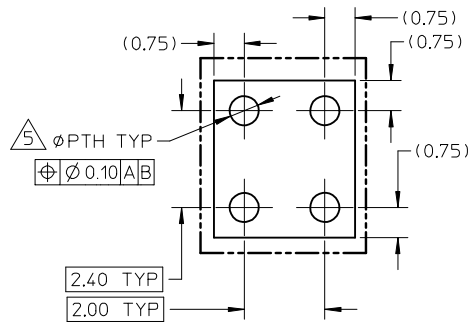
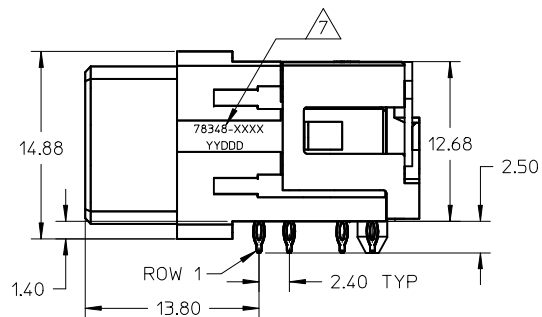
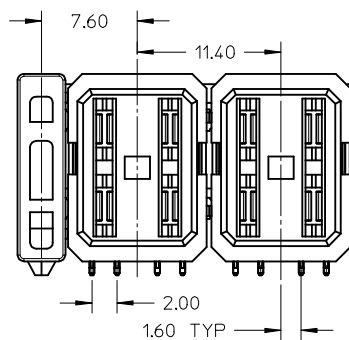
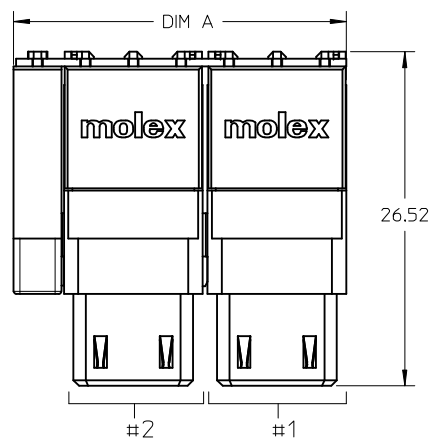


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          |                                                                                     |                 |              |                                                                                                                               |                        |                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------|--------------------------|------------------------------------------|-------------------------------------------------------------------------------------|-----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------|
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9                       | 8       | 7                        | 6                                        | 5                                                                                   | 4               | 3            | 2                                                                                                                             | 1                      |                                                             |
| LEFT HOLD DOWN OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |         |                          |                                          |                                                                                     |                 |              |                                                                                                                               |                        |                                                             |
| PART NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NUMBER OF POWER MODULES | *DIM A* | PLATING OPTION <b>B3</b> | LEFT HOLD DOWN MODULE LOCATION <b>9</b>  |                                                                                     |                 |              |                                                                                                                               |                        |                                                             |
| 78348-1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1X                      | 15.00   | TIN                      | REFER TO SHEET 2 FOR DETAILS             |   |                 |              |                                                                                                                               |                        |                                                             |
| 78348-1011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2X                      | 26.40   |                          |                                          |  |                 |              |                                                                                                                               |                        |                                                             |
| RIGHT HOLD DOWN OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |         |                          |                                          |                                                                                     |                 |              |                                                                                                                               |                        |                                                             |
| PART NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NUMBER OF POWER MODULES | *DIM A* | PLATING OPTION <b>B3</b> | RIGHT HOLD DOWN MODULE LOCATION <b>9</b> |                                                                                     |                 |              |                                                                                                                               |                        |                                                             |
| 78348-2001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1X                      | 15.00   | TIN                      | REFER TO SHEET 3 FOR DETAILS             |   |                 |              |                                                                                                                               |                        |                                                             |
| 78348-2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2X                      | 26.40   |                          |                                          |  |                 |              |                                                                                                                               |                        |                                                             |
| <p>NOTES:</p> <p>1. MATERIALS:</p> <p>HOUSING - HIGH TEMP. THERMOPLASTIC, GLASS FILLED, UL94-V0,COLOR:BLACK.</p> <p>POWER PIN - COPPER ALLOY.</p> <p>2. FINISHES:</p> <p>POWER CONTACTS</p> <p>0.76µm MINIMUM GOLD AT CONTACT AREA AND</p> <p>2.54µm MINIMUM TIN AT SOLDERTAIL AREA <b>B3</b></p> <p>OVER 1.27µm MINIMUM NICKEL UNDERPLATE.</p> <p>3. PRODUCT SPECIFICATION: PS-78213-001.</p> <p>4. PACKAGING SPECIFICATION:</p> <p>PK-78348-001 (1X MODULE WITH HOLD DOWN MODULE)</p> <p>PK-78348-002 (2X MODULE WITH HOLD DOWN MODULE)</p> <p><b>5.</b> REFER TO MOLEX PRODUCT SPECIFICATION PS-78213-001 FOR PLATED THROUGH HOLE SPECIFICATIONS AND TORQUE FORCE.</p> <p>6. MATES WITH 78347-**** or 78399</p> <p><b>7.</b> PART NUMBER AND YEAR-DAY CODE. CAN BE AT THE OPPOSITE SIDE.</p> <p><b>8.</b> ADD 11.4mm FOR EACH ADDITIONAL POWER MODULE.</p> <p><b>9.</b> THE DETAILS FOR LEFT &amp; RIGHT HOLD DOWN OPTION ARE SHOWN IN SHEET 2 AND SHEET 3 RESPECTIVELY.</p> <p><b>10.</b> CONNECTORS ARE PACKED IN TRAY</p> <p><b>11.</b> FIRST POWER MODULE (#1) STARTS FROM THE RIGHT.</p> <p><b>12.</b> REFER TO SD-78247-001 FOR DETAILS OF THE POWER MODULE .</p> <p><b>13.</b> ALL PARTS ARE SHIPPED WITH A 2-32 TYPE AB SELF-TAPPING SCREW PART NUMBER 73726-0005.</p> <p><b>14.</b> COMPONENT KEEP AWAY ZONE FROM CONNECTOR</p> |                         |         |                          |                                          |                                                                                     |                 |              |                                                                                                                               |                        |                                                             |
| <p>REMOVE TIN/LEAD OPT</p> <p>EC NO: S2013-0278</p> <p>2012/11/28</p> <p>DRWN:HCGOH</p> <p>2013/06/12</p> <p>CHKD:HCGOH</p> <p>APPR:SHONG</p> <p>2013/06/13</p> <p>REV <b>B3</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |         |                          | QUALITY SYMBOLS                          | GENERAL TOLERANCES (UNLESS SPECIFIED)                                               | DIMENSION STYLE | SCALE        | DESIGN UNITS                                                                                                                  | THIRD ANGLE PROJECTION |                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          | mm                                                                                  | INCH            | MM ONLY      | NTS                                                                                                                           | METRIC                 |                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          | 4 PLACES                                                                            | ± ---           | ± ---        | DRAWN BY                                                                                                                      | DATE                   | TITLE                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          | 3 PLACES                                                                            | ± ---           | ± ---        | KJKOH                                                                                                                         | 2008/09/25             | IMPACT POWER, 3 PAIR<br>R/A RECEPT W/HOLD DOWN<br>PRESS-FIT |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          | 2 PLACES                                                                            | ± 0.25          | ± ---        | CHECKED BY                                                                                                                    | DATE                   |                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          | 1 PLACE                                                                             | ± ---           | ± ---        | LNG                                                                                                                           | 2008/10/29             |                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          | ANGULAR ± 3 °                                                                       |                 | APPROVED BY  | DATE                                                                                                                          | MOLEX INCORPORATED     |                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                |                 | SHONG        | 2011/02/08                                                                                                                    | DOCUMENT NO.           |                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          |                                                                                     |                 | MATERIAL NO. | SEE TABLE                                                                                                                     |                        | SHEET NO.                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          |                                                                                     |                 | SIZE         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        | 1 OF 4                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |         |                          |                                          |                                                                                     |                 | A3           | SD-78348-001                                                                                                                  |                        |                                                             |

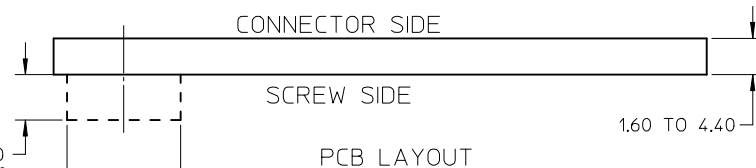
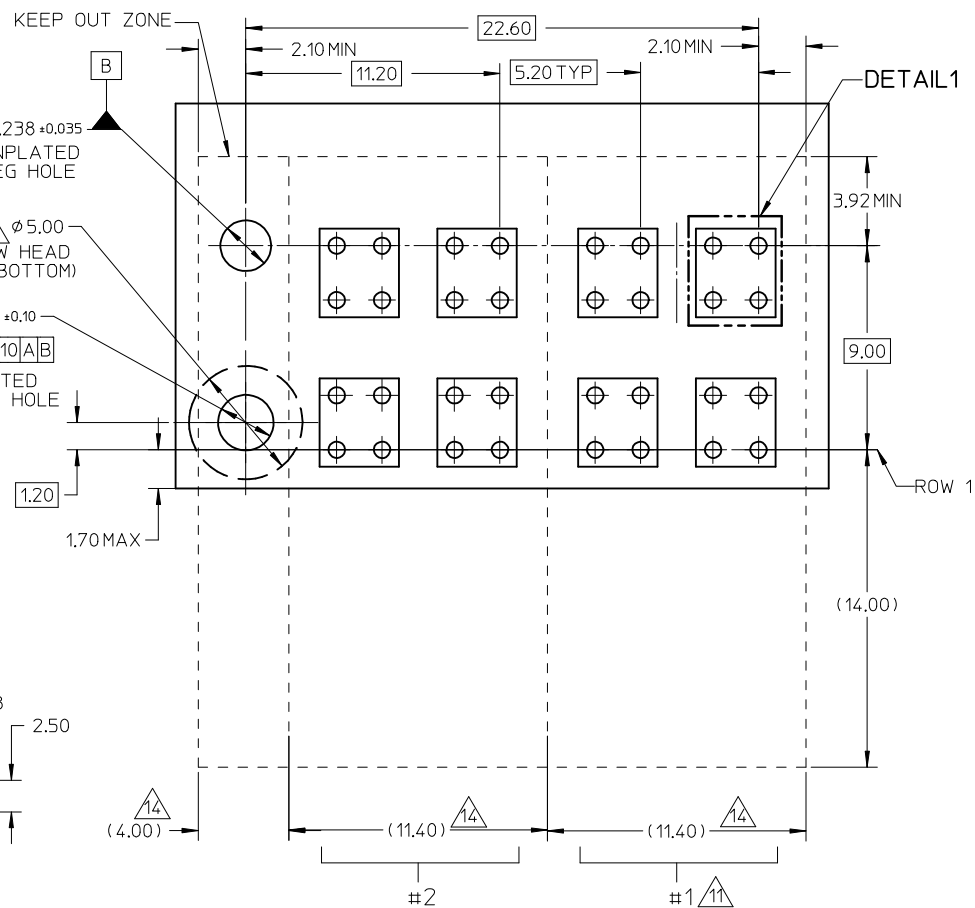
tb\_frame\_A3\_P\_AM\_T  
Rev. F 2009/06/18

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|

# LEFT HOLD DOWN OPTION

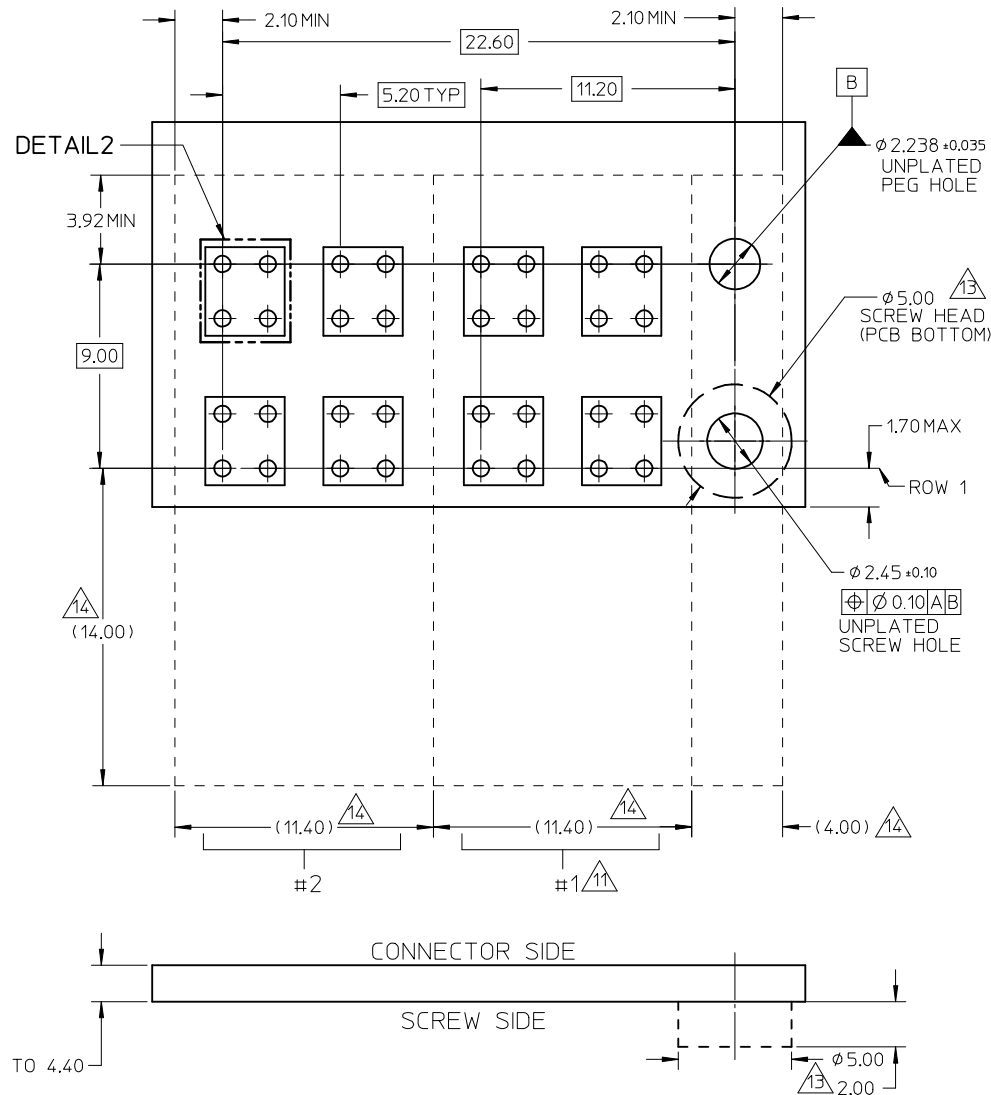
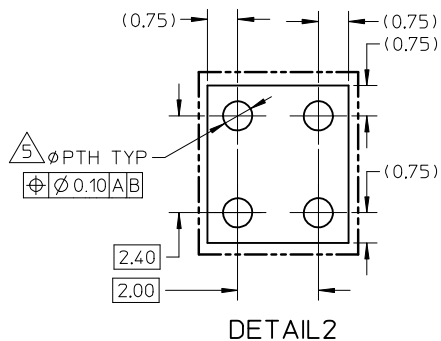
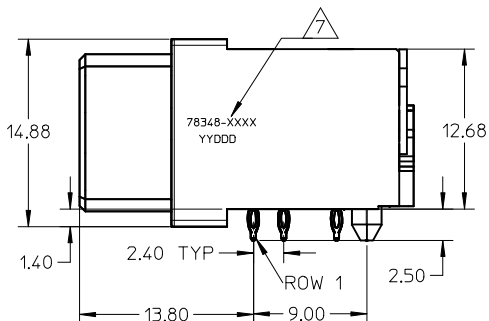
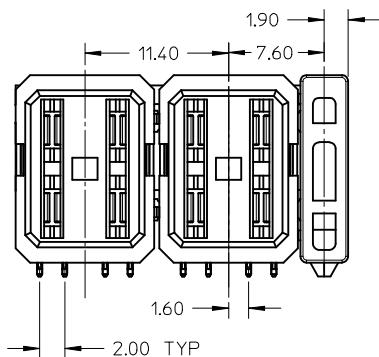
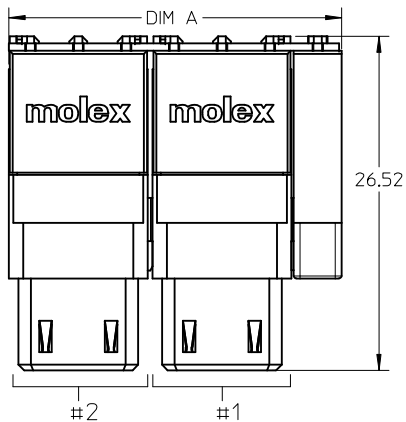


DETAIL1



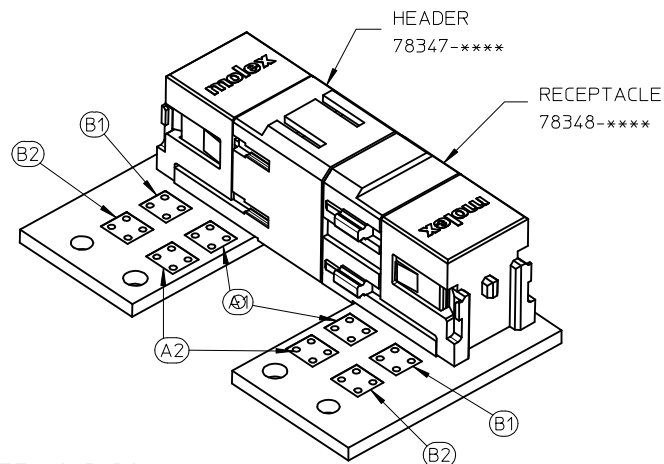
|                                                                                                                    |             |                                                                                                                                                                                                                                                                                             |                                       |        |                                                                                                                                  |                      |                    |                                                                      |                           |                    |  |  |
|--------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|----------------------------------------------------------------------|---------------------------|--------------------|--|--|
| SEE SHEET 1<br>EC NO: S2013-0278<br>DRWN:HCGH<br>CHKD:HCGH<br>APPR:SHONG<br>2012/11/28<br>2013/06/12<br>2013/06/13 | DESCRIPTION | QUALITY SYMBOLS<br><div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div></div></div><div><div></div></div><div><div></div></div></div></div></div></div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |        | DIMENSION STYLE<br>MM ONLY                                                                                                       |                      | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                               | THIRD ANGLE<br>PROJECTION |                    |  |  |
|                                                                                                                    |             |                                                                                                                                                                                                                                                                                             |                                       | mm     | INCH                                                                                                                             | DRAWN BY<br>KJKOH    | DATE<br>2008/09/25 | TITLE<br>IMPACT POWER, 3 PAIR<br>R/A RECEPT W/HOLD DOWN<br>PRESS-FIT |                           |                    |  |  |
|                                                                                                                    |             |                                                                                                                                                                                                                                                                                             | 4 PLACES                              | ± ---  | ± ---                                                                                                                            | CHECKED BY           | DATE               |                                                                      |                           |                    |  |  |
|                                                                                                                    |             |                                                                                                                                                                                                                                                                                             | 3 PLACES                              | ± ---  | ± ---                                                                                                                            | LNG                  | 2008/10/29         |                                                                      |                           |                    |  |  |
|                                                                                                                    |             |                                                                                                                                                                                                                                                                                             | 2 PLACES                              | ± 0.25 | ± ---                                                                                                                            | APPROVED BY<br>SHONG | DATE<br>2011/02/08 | molex                                                                |                           | MOLEX INCORPORATED |  |  |
| 1 PLACE                                                                                                            | ± ---       | ± ---                                                                                                                                                                                                                                                                                       | MATERIAL NO.                          |        | DOCUMENT NO.                                                                                                                     |                      | SD-78348-001       |                                                                      | SHEET NO.<br>2 OF 4       |                    |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                         |             |                                                                                                                                                                                                                                                                                             | SEE TABLE                             |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                    |                                                                      |                           |                    |  |  |
| B3                                                                                                                 | REV         |                                                                                                                                                                                                                                                                                             | SIZE<br>A3                            |        |                                                                                                                                  |                      |                    |                                                                      |                           |                    |  |  |

# RIGHT HOLD DOWN OPTION

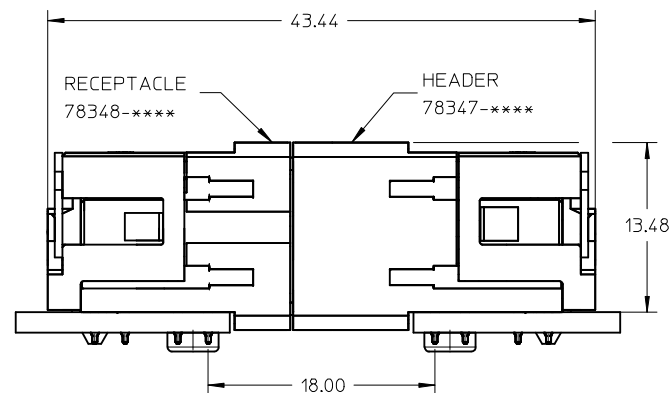


|                                                                                                                    |             |                                                                                                              |                                                            |  |                            |  |                                                                                                                               |                                                                      |                        |  |  |
|--------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------|--|--|
| SEE SHEET 1<br>EC NO: S2013-0278<br>DRWN:HCGH<br>CHKD:HCGH<br>APPR:SHONG<br>2012/11/28<br>2013/06/12<br>2013/06/13 | DESCRIPTION | QUALITY SYMBOLS<br><div><div>F<sub>A</sub>=0</div><div>F<sub>G</sub>=0</div><div>F<sub>P</sub>=0</div></div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS                                                                                                                  | DESIGN UNITS<br>METRIC                                               | THIRD ANGLE PROJECTION |  |  |
|                                                                                                                    |             |                                                                                                              | <div><div>mm</div><div>INCH</div></div>                    |  | DRAWN BY<br>KJKOH          |  | DATE<br>2008/09/25                                                                                                            | TITLE<br>IMPACT POWER, 3 PAIR<br>R/A RECEPT W/HOLD DOWN<br>PRESS-FIT |                        |  |  |
|                                                                                                                    |             |                                                                                                              | 4 PLACES ± --- ± ---                                       |  | CHECKED BY<br>LNG          |  | DATE<br>2008/10/29                                                                                                            |                                                                      |                        |  |  |
|                                                                                                                    |             |                                                                                                              | 3 PLACES ± --- ± ---                                       |  | APPROVED BY<br>SHONG       |  | DATE<br>2011/02/08                                                                                                            |                                                                      |                        |  |  |
|                                                                                                                    |             |                                                                                                              | 2 PLACES ± 0.25 ± ---                                      |  | MATERIAL NO.<br>SEE TABLE  |  | DOCUMENT NO.<br>SD-78348-001                                                                                                  |                                                                      |                        |  |  |
|                                                                                                                    |             |                                                                                                              | 1 PLACE ± --- ± ---                                        |  | ANGULAR ± 3 °              |  |                                                                                                                               |                                                                      |                        |  |  |
|                                                                                                                    |             |                                                                                                              | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>A3                 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                      |                        |  |  |

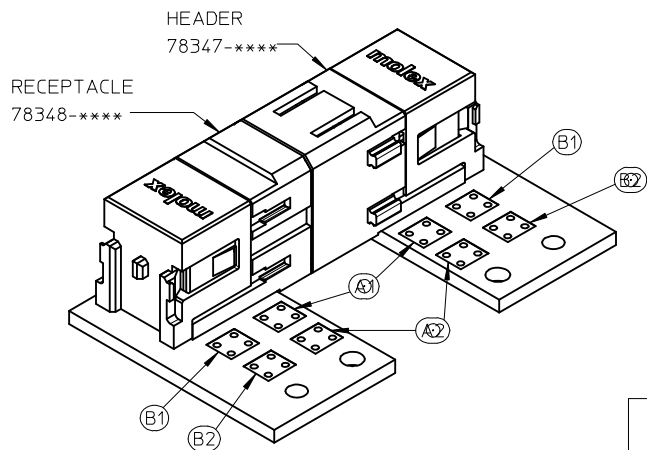
10 9 8 7 6 5 4 3 2 1



LEFT HOLD DOWN:  
1 POWER MODULE AND HOLD DOWN REMOVED TO  
ILLUSTRATE CIRCUIT PATH OF MATED SYSTEM



MATED SYSTEM OF 78347 & 78348



RIGHT HOLD DOWN:  
1 POWER MODULE AND HOLD DOWN REMOVED TO  
ILLUSTRATE CIRCUIT PATH OF MATED SYSTEM

|                                                                                       |                                        |             |                                                                                                              |                                       |  |                            |  |                                                                                                                                  |                        |                                                                      |           |  |  |
|---------------------------------------------------------------------------------------|----------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------|--|----------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------|-----------|--|--|
| SEE SHEET 1<br>EC NO: S2013-0278<br>DRWN:HCGH<br>CHKD:HCGH<br>APPR:SHONG<br>REV<br>B3 | 2012/11/28<br>2013/06/12<br>2013/06/13 | DESCRIPTION | QUALITY SYMBOLS<br><div><div><div>FA=0</div></div><div><div>FG=0</div></div><div><div>FP=0</div></div></div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION                                            |           |  |  |
|                                                                                       |                                        |             |                                                                                                              |                                       |  | DRAWN BY<br>KJKOH          |  | DATE<br>2008/09/25                                                                                                               |                        | TITLE<br>IMPACT POWER, 3 PAIR<br>R/A RECEPT W/HOLD DOWN<br>PRESS-FIT |           |  |  |
|                                                                                       |                                        |             |                                                                                                              |                                       |  | CHECKED BY<br>LNG          |  | DATE<br>2008/10/29                                                                                                               |                        |                                                                      |           |  |  |
|                                                                                       |                                        |             |                                                                                                              |                                       |  | APPROVED BY<br>SHONG       |  | DATE<br>2011/02/08                                                                                                               |                        |                                                                      |           |  |  |
|                                                                                       |                                        |             |                                                                                                              | ANGULAR ± 3 °                         |  | MATERIAL NO.               |  | DOCUMENT NO.                                                                                                                     |                        |                                                                      | SHEET NO. |  |  |
|                                                                                       |                                        |             |                                                                                                              | DRAFT WHERE APPLICABLE                |  | SEE TABLE                  |  | SD-78348-001                                                                                                                     |                        |                                                                      | 4 OF 4    |  |  |
|                                                                                       |                                        |             |                                                                                                              | MUST REMAIN<br>WITHIN DIMENSIONS      |  | SIZE<br>A3                 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                      |           |  |  |
|                                                                                       |                                        |             |                                                                                                              |                                       |  |                            |  |                                                                                                                                  |                        |                                                                      |           |  |  |