



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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| HEADER WITH LEFT HOLD DOWN (FIGURE 1) | | | | |
|---------------------------------------|-------------------------|---------|----------------|---|
| PART NUMBER | NUMBER OF POWER MODULES | "DIM A" | PLATING OPTION | LEFT HOLD DOWN MODULE LOCATION ⁹ |
| 78347-100* | 1X | 15.00 | TIN | REFER TO SHEET 2 FOR DETAILS |
| 78347-10** | 2X | 26.40 | | |

| HEADER WITH RIGHT HOLD DOWN (FIGURE 2) | | | | |
|--|-------------------------|---------|----------------|--|
| PART NUMBER | NUMBER OF POWER MODULES | "DIM A" | PLATING OPTION | RIGHT HOLD DOWN MODULE LOCATION ⁹ |
| 78347-200* | 1X | 15.00 | TIN | REFER TO SHEET 3 FOR DETAILS |
| 78347-20** | 2X | 26.40 | | |

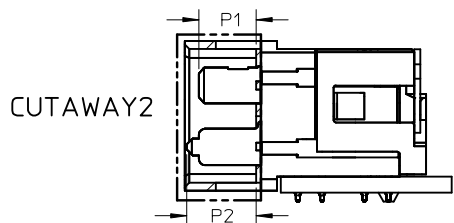


FIGURE 3: BLADE P1 AND P2 LOCATION

NOTES:

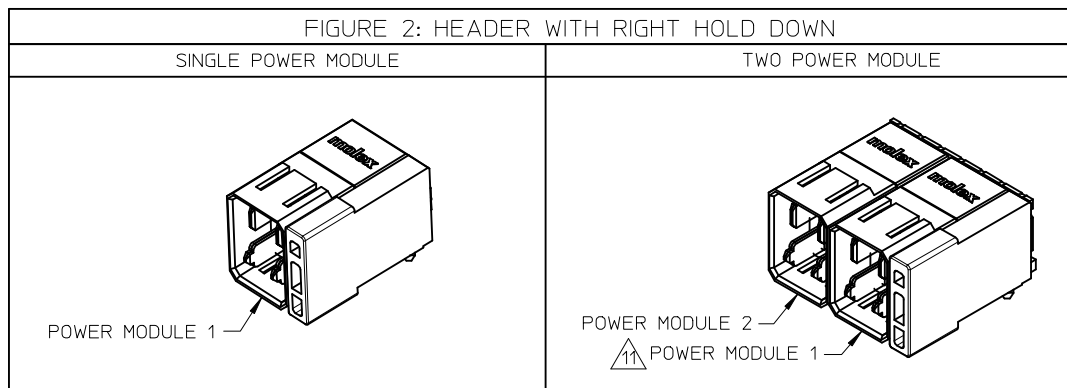
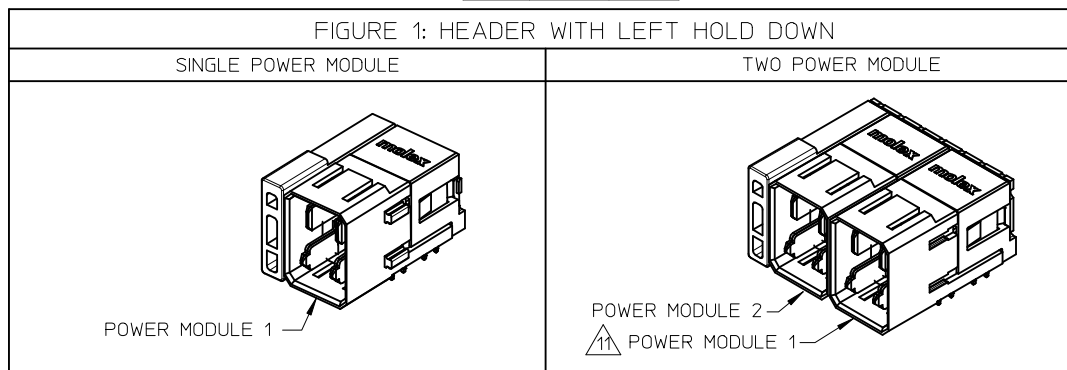
- MATERIALS:
HOUSING - LCP, GLASS FILLED, UL 94-V0, BLACK.
POWER PIN - COPPER ALLOY.
- FINISHES:
0.76µm MINIMUM GOLD AT CONTACT AREA AND
2.54µm MINIMUM TIN AT SOLDER TAIL AREA OVER
1.27µm MINIMUM NICKEL UNDERPLATE.
- PRODUCT SPECIFICATION: PS-78213-001.
- PACKAGING SPECIFICATION:
PK-78347-001 (1X MODULE WITH HOLD DOWN MODULE)
PK-78347-002 (2X MODULE WITH HOLD DOWN MODULE)
- ⁵ REFER TO MOLEX PRODUCT SPECIFICATION PS-78213-001 FOR PLATED THROUGH-HOLE SPECIFICATIONS AND TORQUE FORCE.
- MATES WITH 78212-**** or 78348-****.
- ⁷ PART NUMBER AND YEAR-DAY CODE CAN BE AT THE OPPOSITE SIDE.
- ADD 11.40mm FOR EACH ADDITIONAL POWER MODULE.
- ⁹ THE DETAILS FOR LEFT & RIGHT HOLD DOWN OPTION ARE SHOWN IN SHEET 2, 3 AND SHEET 4 RESPECTIVELY.
- CONNECTORS ARE PACKED IN A TRAY.
- ¹¹ FIRST POWER MODULE (#1) STARTS FROM THE RIGHT.
- REFER TO SD-78211-002 FOR DETAILS OF THE POWER MODULE.
- ¹³ ALL PARTS ARE SHIPPED WITH A 2-32 TYPE AB SELF-TAPPING SCREW PART NUMBER 73726-0000.
- ¹⁴ COMPONENT STAY AWAY ZONE FROM CONNECTOR.

| PLATING OPTION | HOLD DOWN MODULE LOCATION | * |
|----------------|---------------------------|---|
| TIN | LEFT | 1 |
| | RIGHT | 2 |

78347-*0**

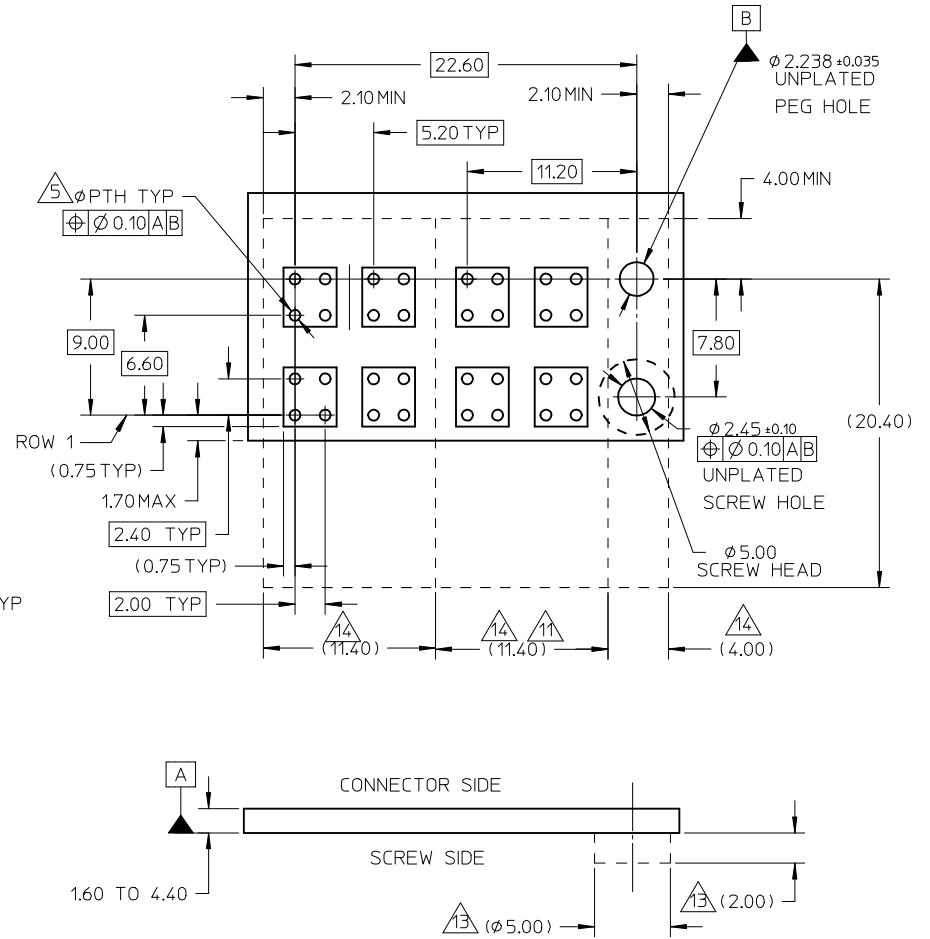
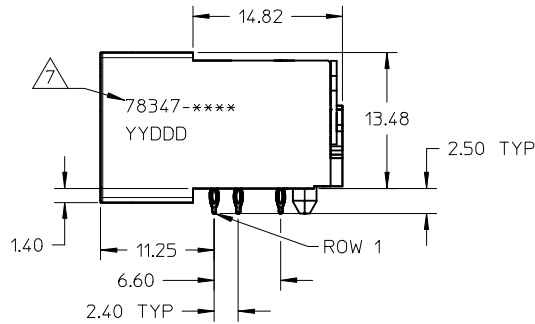
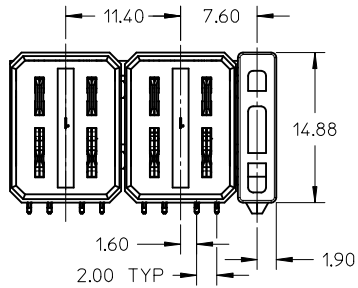
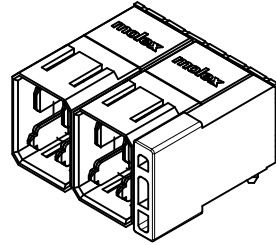
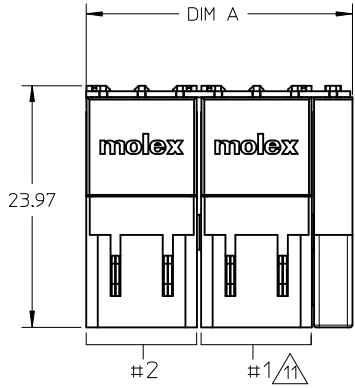
| * | BLADE LENGTH | |
|---|--------------------|------|
| | P1 | P2 |
| 0 | MODULE NOT PRESENT | |
| 1 | 6.90 | 6.90 |
| 2 | 5.70 | 5.70 |
| 3 | 6.90 | 5.70 |
| 4 | 5.70 | 6.90 |

| * | BLADE LENGTH | |
|---|--------------|------|
| | P1 | P2 |
| 1 | 6.90 | 6.90 |
| 2 | 5.70 | 5.70 |
| 3 | 6.90 | 5.70 |
| 4 | 5.70 | 6.90 |

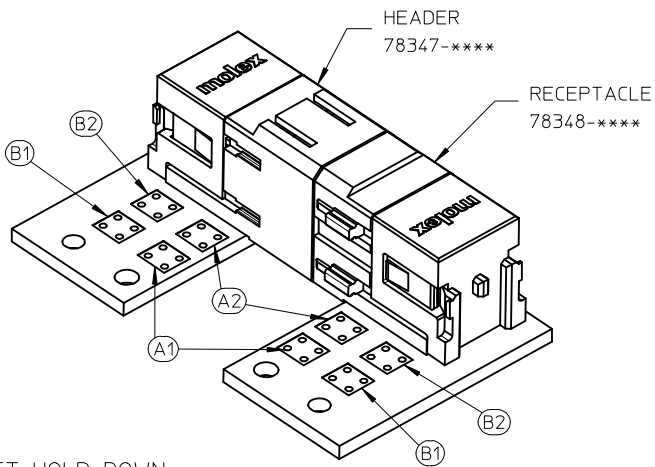


| | | | | | | | | | |
|--|--|---|---|-----------------------------------|--------------------|---|-------------------------------|------------------------|--|
| SEE SHEET 3 EC NO: SZ016-0735 DRWN: SHONG 2016/02/16 CHKD: BOKOK 2016/02/17 APPR: SILENI 2016/02/17 B7 | QUALITY SYMBOLS $F_A=0$ $F_E=0$ $F_P=0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE NTS | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- | mm INCH ± --- ± --- ± --- ± --- ± --- ± --- ± --- ± --- | DRAWN BY ANG | DATE 2009/08/21 | TITLE IMPACT POWER, 3 PAIR R/A HEADER W/HOLD DOWN PRESS-FIT | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | CHECKED BY LNG | DATE 2009/08/27 | molex | | | |
| | | MATERIAL NO. SEE TABLE | | APPROVED BY SHONG | DATE 2011/02/08 | DOCUMENT NO. SD-78347-001 | SHEET NO. 1 OF 5 | | |

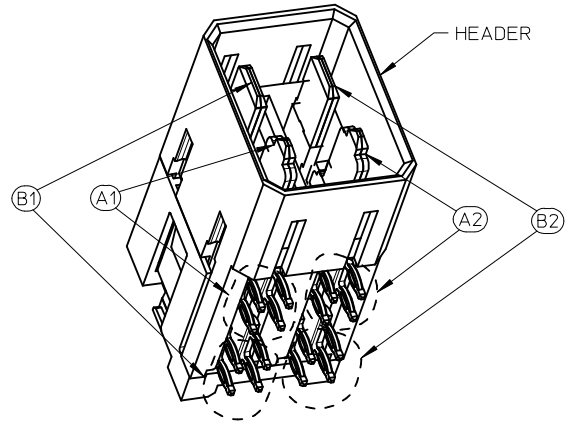
RIGHT HOLD DOWN OPTION



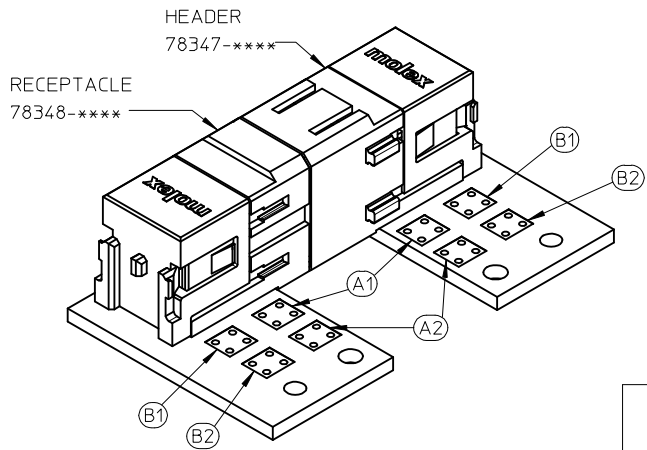
| | | | | | | | | | | | | |
|---|-------------------|--|--|-------|----------------------------|----------------------|---|--|------------------------|--|--|--|
| CORRECT TYPO-ERROR EC NO: S2016-0735 DRWN: SHONG CHKD: BOKOK APPR: SHLENI 2016/02/16 2016/02/22 2016/02/22 | DESCRIPTION B7 | QUALITY SYMBOLS $F_A=0$ $F_C=0$ $F_P=0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE NTS | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | | |
| | | | | mm | INCH | DRAWN BY ANG | DATE 2009/08/21 | TITLE IMPACT POWER, 3 PAIR R/A HEADER W/HOLD DOWN PRESS-FIT | | | | |
| | | | 4 PLACES | ± --- | ± --- | CHECKED BY LNG | DATE 2009/08/27 | molex DOCUMENT NO. SD-78347-001 SHEET NO. 3 OF 5 | | | | |
| | | | 3 PLACES | ± --- | ± --- | APPROVED BY SHONG | DATE 2011/02/08 | | | | | |
| 2 PLACES | ± 0.25 | ± --- | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MATERIAL NO. SEE TABLE | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |
| 1 PLACE | ± --- | ± --- | | | SIZE A3 | | | | | | | |
| 0 PLACE | ± --- | ± --- | | | | | | | | | | |



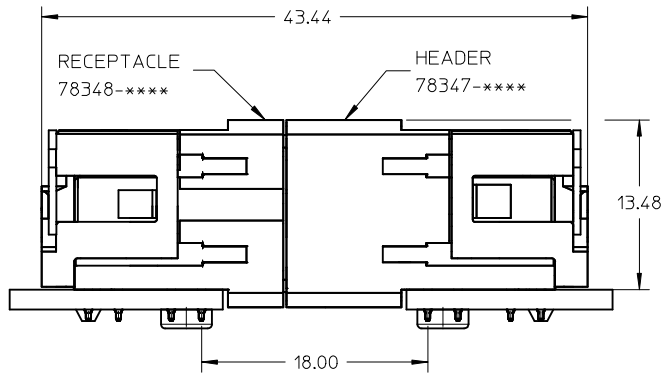
LEFT HOLD DOWN:
1 POWER MODULE AND HOLD DOWN REMOVED TO ILLUSTRATE CIRCUIT PATH OF MATED SYSTEM



PIN NUMBER ASSIGNMENT BASED ON HEADER SIDE:
A1, B1 ON THE LEFT,
A2, B2 ON THE RIGHT.

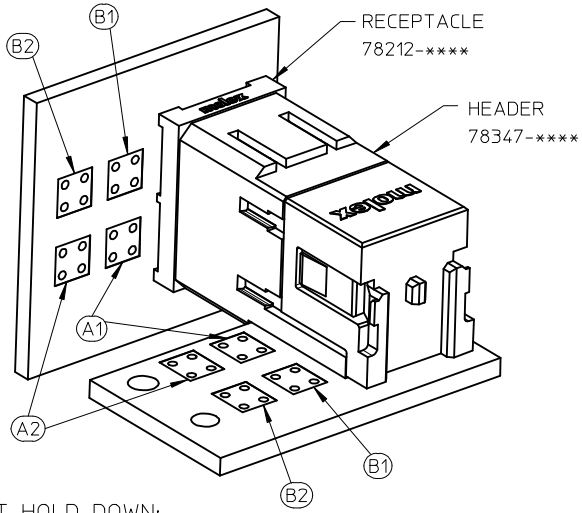


RIGHT HOLD DOWN:
1 POWER MODULE AND HOLD DOWN REMOVED TO ILLUSTRATE CIRCUIT PATH OF MATED SYSTEM

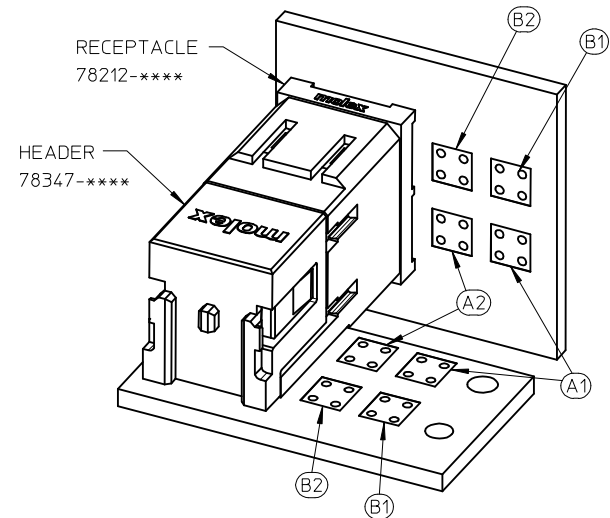


MATED SYSTEM OF 78347 & 78348

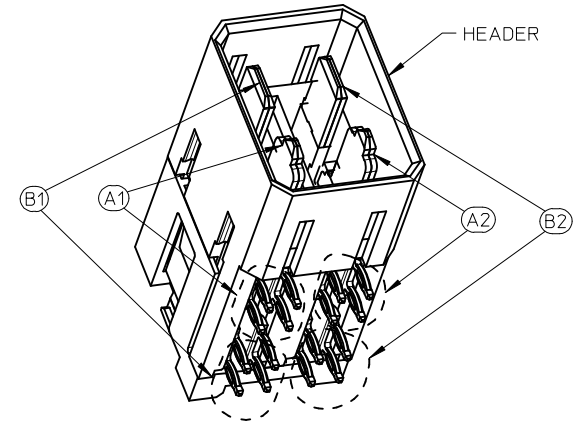
| | | | | | | | | |
|--|-----------------|--|--------|----------------------------|---|--------------------|---|------------------------|
| SEE SHEET 3 EC NO: S2016-0735 DRWNSHONG 2016/02/16 CHKD:BOXKOK 2016/02/22 APPR:SHLENI 2016/02/22 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE NTS | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | $\nabla_F=0$ | 4 PLACES | mm | INCH | DRAWN BY ANG | DATE 2009/08/21 | TITLE IMPACT POWER, 3 PAIR R/A HEADER W/HOLD DOWN PRESS-FIT molex DOCUMENT NO. SD-78347-001 SHEET NO. 4 OF 5 | |
| | $\nabla_E=0$ | 3 PLACES | ± --- | ± --- | CHECKED BY LNG | DATE 2009/08/27 | | |
| | $\nabla_D=0$ | 2 PLACES | ± 0.25 | ± --- | APPROVED BY SHONG | DATE 2011/02/08 | | |
| | 1 PLACE | ± --- | ± --- | MATERIAL NO. | | | | |
| | | 0 PLACE | ± --- | ± --- | ANGULAR ± 3° | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | | | | |
| | | | | SIZE A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |



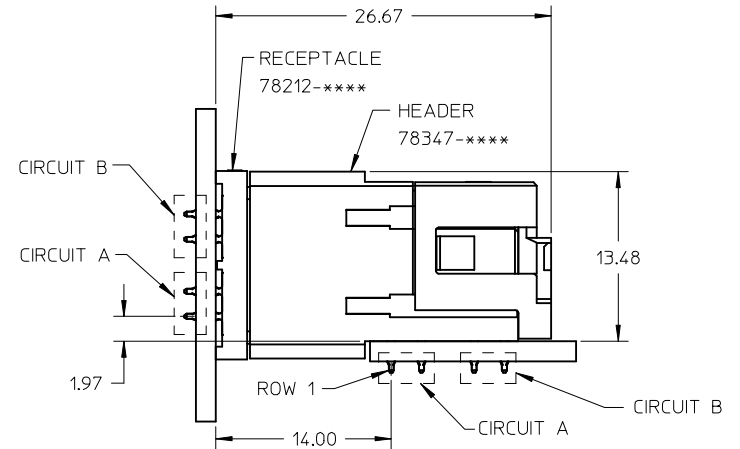
RIGHT HOLD DOWN:
1 POWER MODULE AND HOLD DOWN REMOVED TO ILLUSTRATE CIRCUIT PATH OF MATED SYSTEM



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



PIN NUMBER ASSIGNMENT BASED ON HEADER SIDE:
A1, B1 ON THE LEFT,
A2, B2 ON THE RIGHT.



MATED SYSTEM OF 78347 & 78212

| | | | | | | | | | |
|--|---|---------------------------------------|---------|-----------------------------------|------------------------------|--|------------------------|------------------------|--|
| SEE SHEET 3 IEC NO: S2016-0735 DRWNSHONG 2016/02/16 CHKD:BOBOK 2016/02/17 APPR:SHLENI 2016/02/22 | QUALITY SYMBOLS $\nabla_F = 0$ $\nabla_E = 0$ $\nabla_B = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE NTS | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | 4 PLACES ± --- ± --- | mm INCH | DRAWN BY ANG | DATE 2009/08/21 | TITLE IMPACT POWER, 3 PAIR R/A HEADER W/HOLD DOWN PRESS-FIT | | | |
| | | 3 PLACES ± --- ± --- | | CHECKED BY LNG | DATE 2009/08/27 | molex | | | |
| | | 2 PLACES ± 0.25 ± --- | | APPROVED BY SHONG | DATE 2011/02/08 | | | | |
| | | 1 PLACE ± --- ± --- | | MATERIAL NO. SEE TABLE | DOCUMENT NO. SD-78347-001 | SHEET NO. 5 OF 5 | | | |
| | | 0 PLACE ± --- ± --- | | ANGULAR ± 3 ° | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | | | | | |