

| HEADER WITH LEFT HOLD DOWN (FIG.1) | | | | |
|------------------------------------|-------------------------|---------|----------------|---|
| PART NUMBER | NUMBER OF POWER MODULES | 'DIM A' | PLATING OPTION | LEFT HOLD DOWN MODULE LOCATION ⁹ |
| 78353-100* | 1X | 15.00 | TIN | REFER TO SHEET 2 FOR DETAILS |
| 78353-10** | 2X | 26.40 | | |

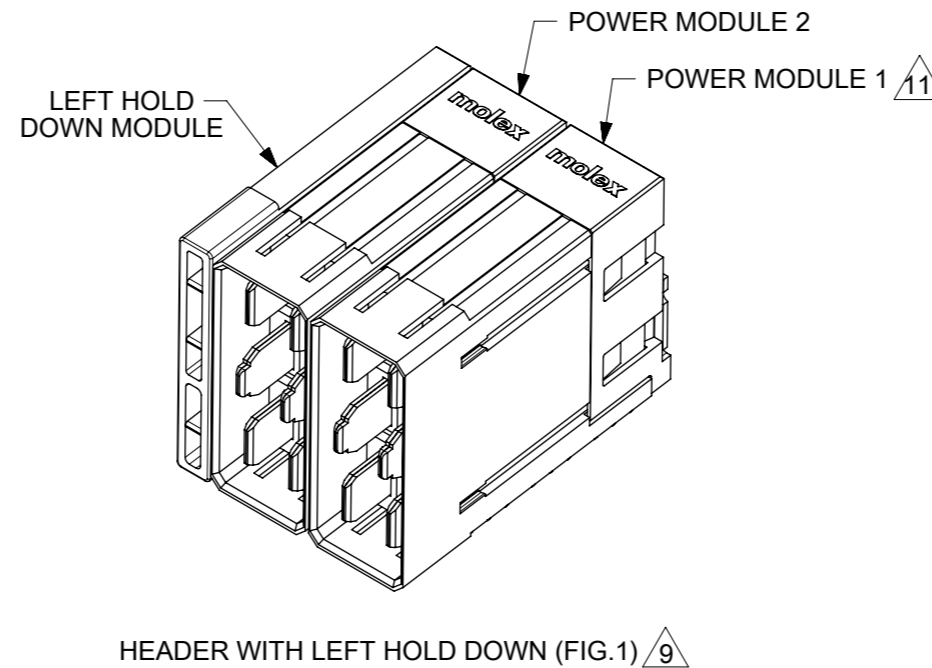
| HEADER WITH RIGHT HOLD DOWN (FIG.2) | | | | |
|-------------------------------------|-------------------------|---------|----------------|--|
| PART NUMBER | NUMBER OF POWER MODULES | 'DIM A' | PLATING OPTION | RIGHT HOLD DOWN MODULE LOCATION ⁹ |
| 78353-200* | 1X | 15.00 | TIN | REFER TO SHEET 3 FOR DETAILS |
| 78353-20** | 2X | 26.40 | | |

78353-*0**

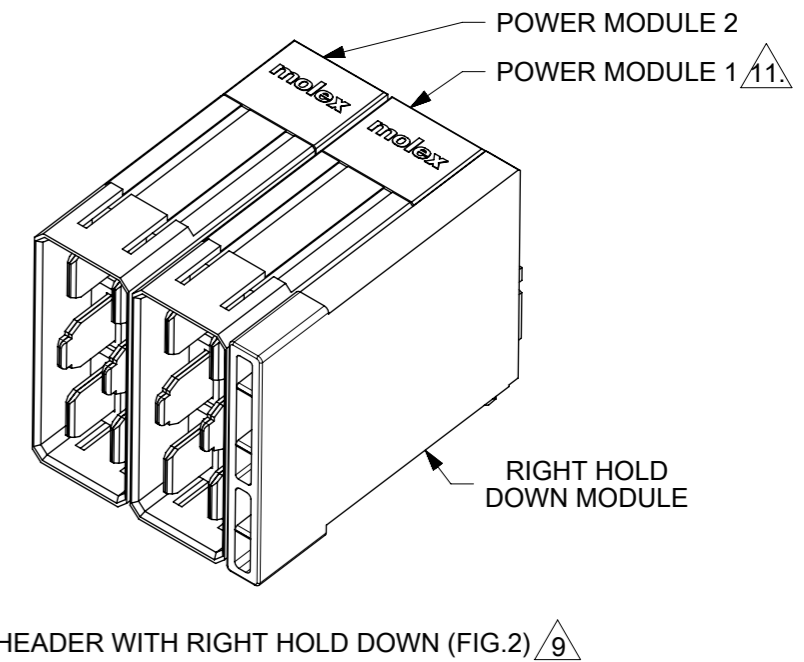
| PLATING OPTION | HOLD DOWN MODULE LOCATION | * |
|----------------|---------------------------|---|
| TIN | LEFT | 1 |
| | RIGHT | 2 |

| POWER MODULE 2 | | | |
|----------------|--------------------|------|------|
| * | BLADE LENGTH | | |
| | P1 | P2 | P3 |
| 0 | MODULE NOT PRESENT | | |
| 1 | 6.90 | 6.90 | 6.90 |
| 2 | 5.70 | 5.70 | 6.90 |
| 5 | 6.90 | 5.70 | 5.70 |
| 7 | 5.70 | 6.90 | 6.90 |

| POWER MODULE 1 ¹¹ | | | |
|------------------------------|--------------|------|------|
| * | BLADE LENGTH | | |
| | P1 | P2 | P3 |
| 1 | 6.90 | 6.90 | 6.90 |
| 2 | 5.70 | 5.70 | 6.90 |
| 5 | 6.90 | 5.70 | 5.70 |
| 7 | 5.70 | 6.90 | 6.90 |



HEADER WITH LEFT HOLD DOWN (FIG.1) ⁹



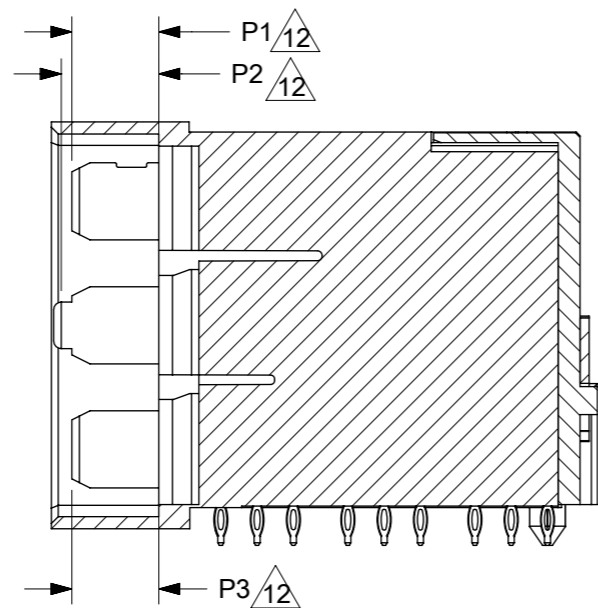
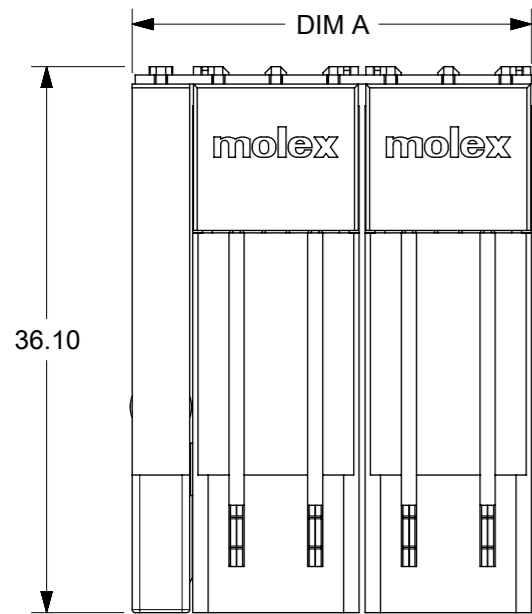
HEADER WITH RIGHT HOLD DOWN (FIG.2) ⁹

NOTES:

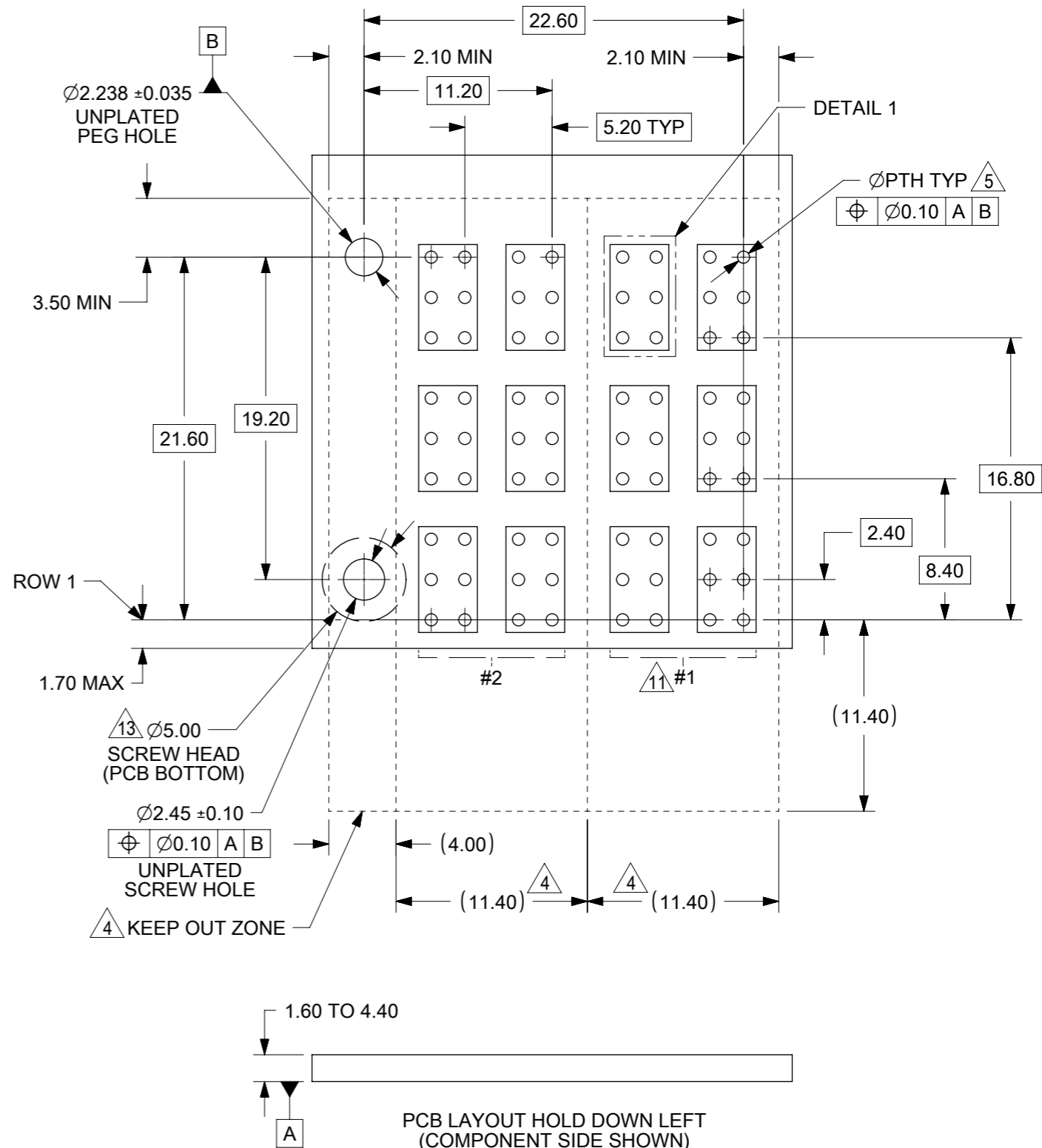
- MATERIALS:
HOUSING - HIGH TEMP. THERMOPLASTIC, GLASS FILLED, UL94-V0,COLOR:BLACK.
POWER PIN - COPPER ALLOY.
- FINISH:
POWER CONTACTS
0.76µm MINIMUM GOLD AT CONTACT AREA AND
2.54µm MINIMUM TIN AT SOLDER TAIL AREA
OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
- PRODUCT SPECIFICATION: PS-78213-001.
- COMPONENT STAY AWAY ZONE FROM CONNECTOR.
- REFER TO MOLEX PRODUCT SPECIFICATION PS-78213-001 FOR PLATED THROUGH-HOLE SPECIFICATIONS AND TORQUE FORCE.
- MATES WITH 78218-****.
- PART NUMBER AND YEAR-DAY CODE. CAN BE AT THE OPPOSITE SIDE.
- ADD 11.4mm FOR EACH ADDITIONAL POWER MODULE.
- THE DETAILS FOR LEFT & RIGHT HOLD DOWN OPTION ARE SHOWN IN SHEET 2 AND SHEET 3 RESPECTIVELY.
- CONNECTORS ARE PACKED IN A TRAY.
- FIRST POWER MODULE (#1) START FROM THE RIGHT.
- REFER TO SD-78217-003 FOR DETAILS OF THE POWER MODULE.
- ALL PARTS ARE SHIPPED WITH A 2-32 TYPE AB SELF-TAPPING SCREW PART NUMBER 73726-0000.
- PACKAGING SPECIFICATION:
PK-78353-001 (1X MODULE WITH HOLD DOWN MODULE)
PK-78353-002 (2X MODULE WITH HOLD DOWN MODULE)

| | | | | | |
|---------|---|------------------------|-----------------------------------|-----------------|---|
| SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | CURRENT REV DESC: MIGRATION TO NX | | molex |
| | DIMENSION UNITS | SCALE | | | |
| ▽ = 0 | MM ONLY | NTS | | | IMPACT POWER, 6 PAIR HEADER WITH HOLD DOWN PRESS FIT |
| ▽ = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | |
| ▽ = 0 | ANGULAR TOL ± 3.0° | | | | PRODUCT CUSTOMER DRAWING |
| ▽ = 0 | 4 PLACES ± | | | | |
| ▽ = 0 | 3 PLACES ± | | | DOCUMENT NUMBER | DOC TYPE |
| ▽ = 0 | 2 PLACES ± 0.25 | | | | |
| ▽ = 0 | 1 PLACE ± | | | SD-78353-001 | PSD |
| ▽ = 0 | 0 PLACES ± | | | | |
| □ = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER |
| ▽ = 0 | | | A3-SIZE | 78353 | SEE TABLE |
| | | | CUSTOMER | GENERAL MARKET | |
| | | | REVISION | 1 OF 5 | |

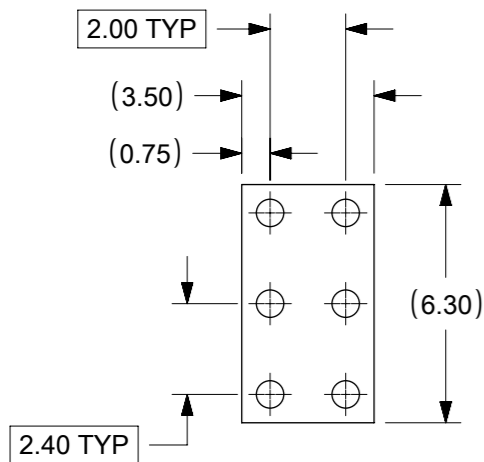
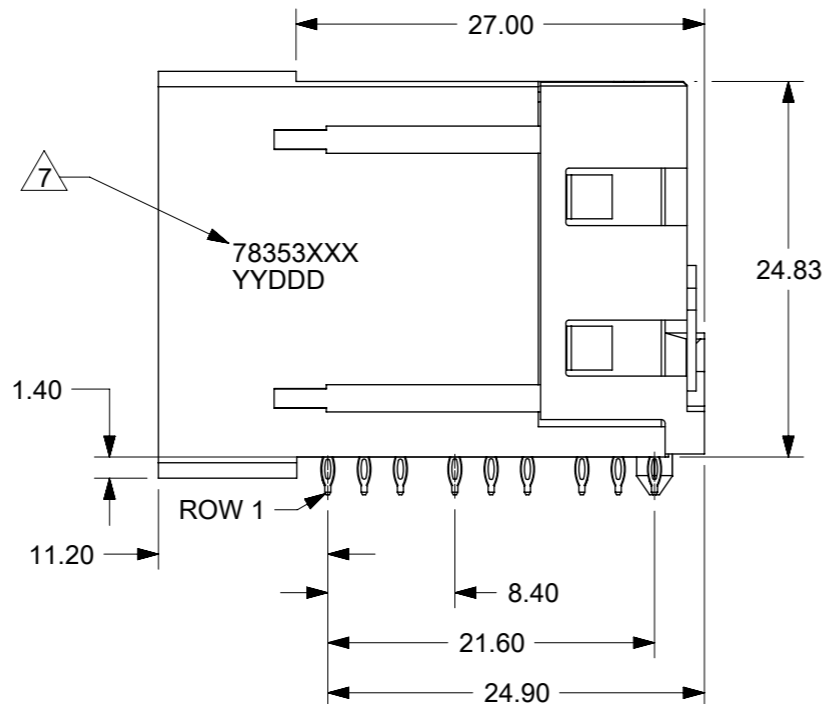
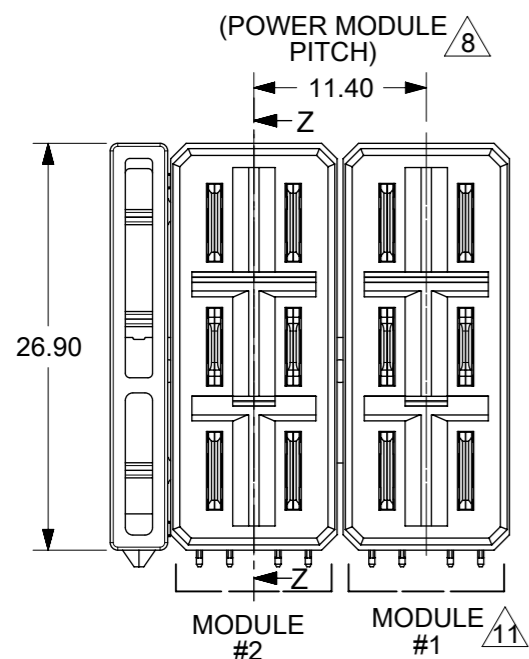
LEFT HOLD DOWN OPTION



SECTION Z-Z



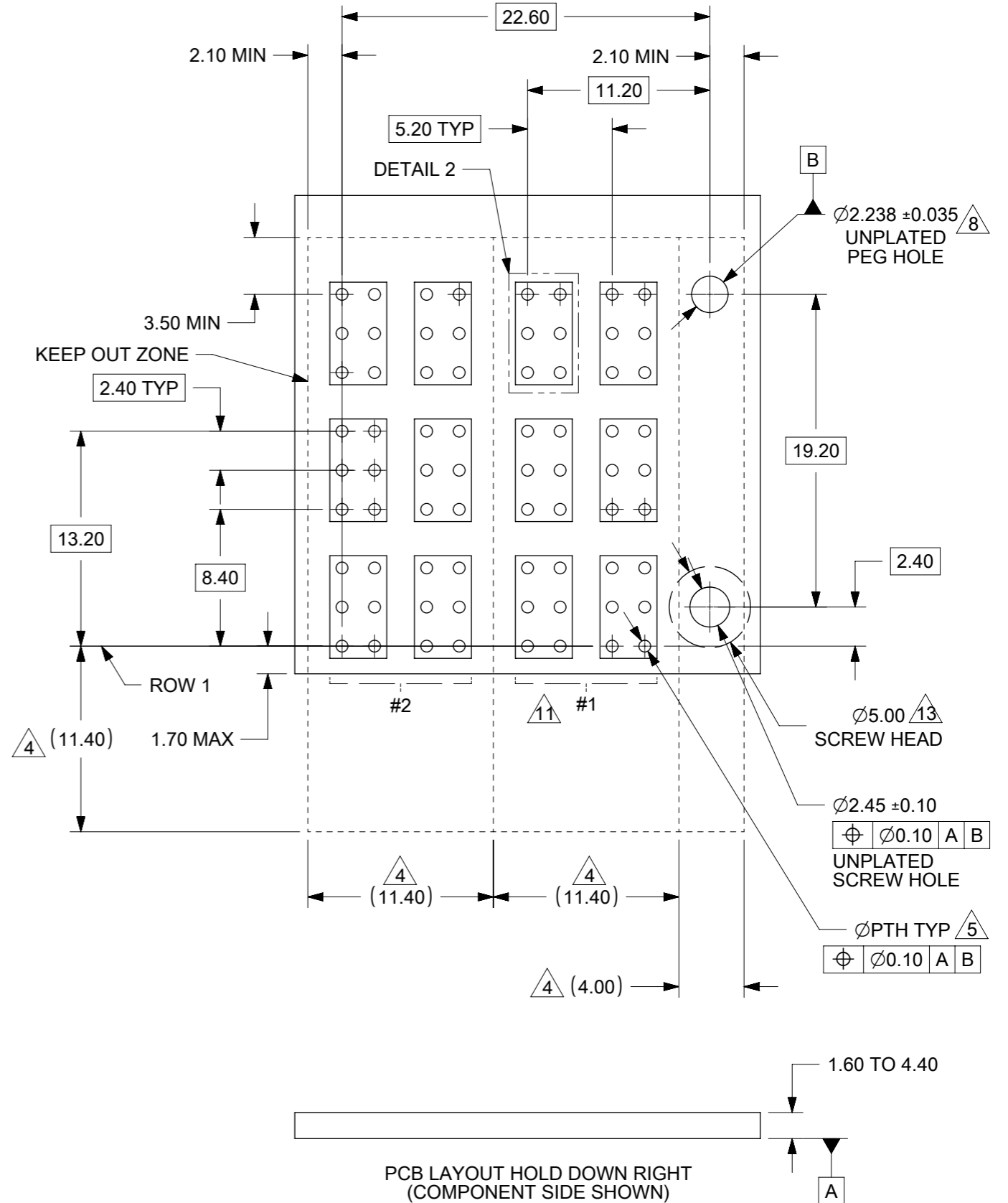
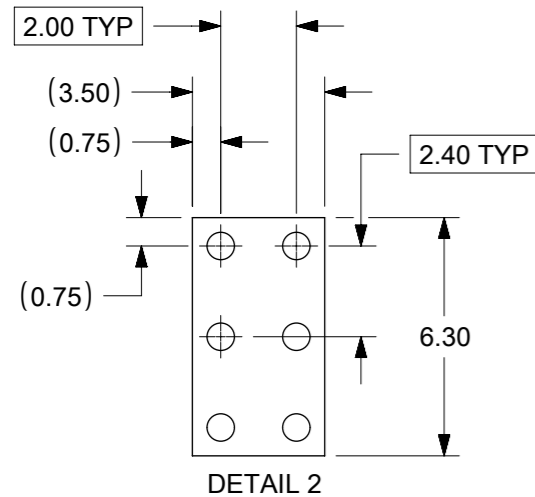
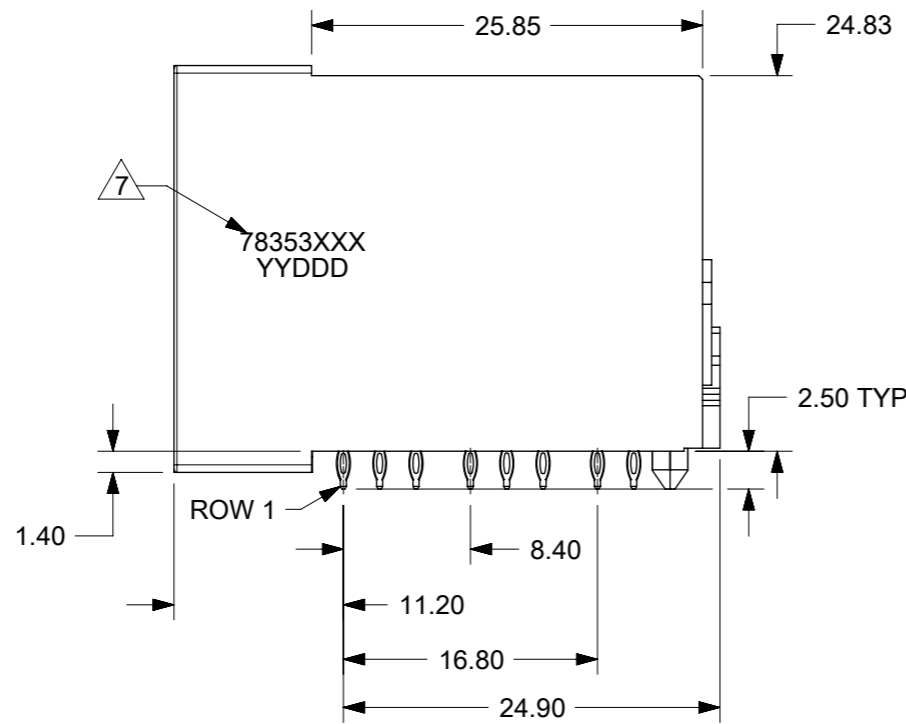
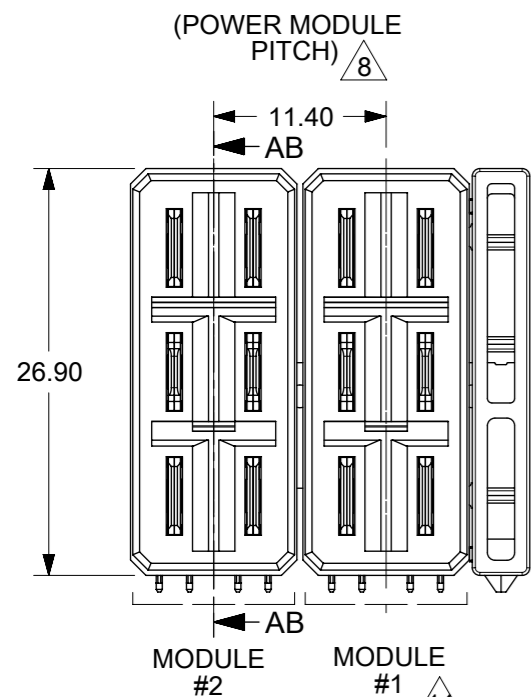
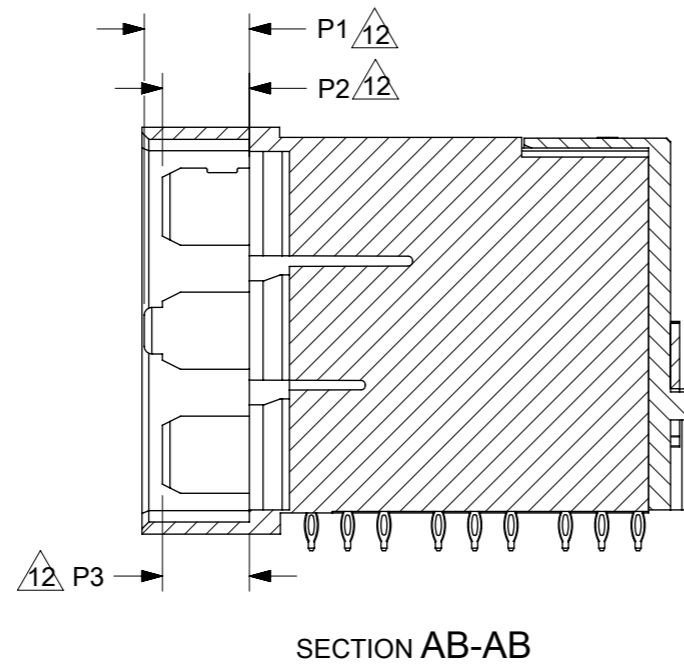
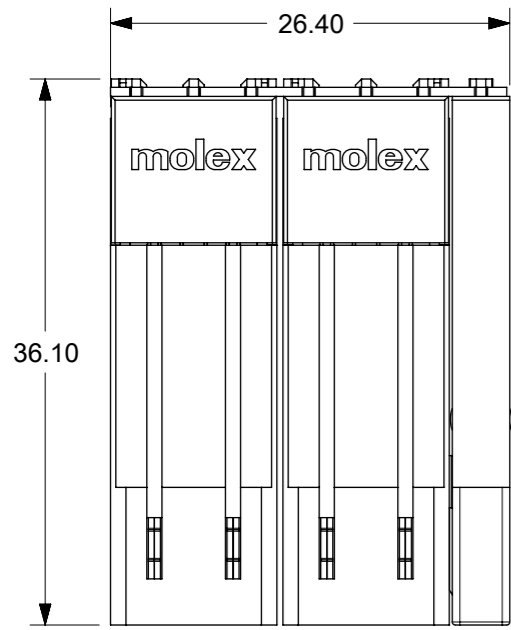
PCB LAYOUT HOLD DOWN LEFT (COMPONENT SIDE SHOWN)



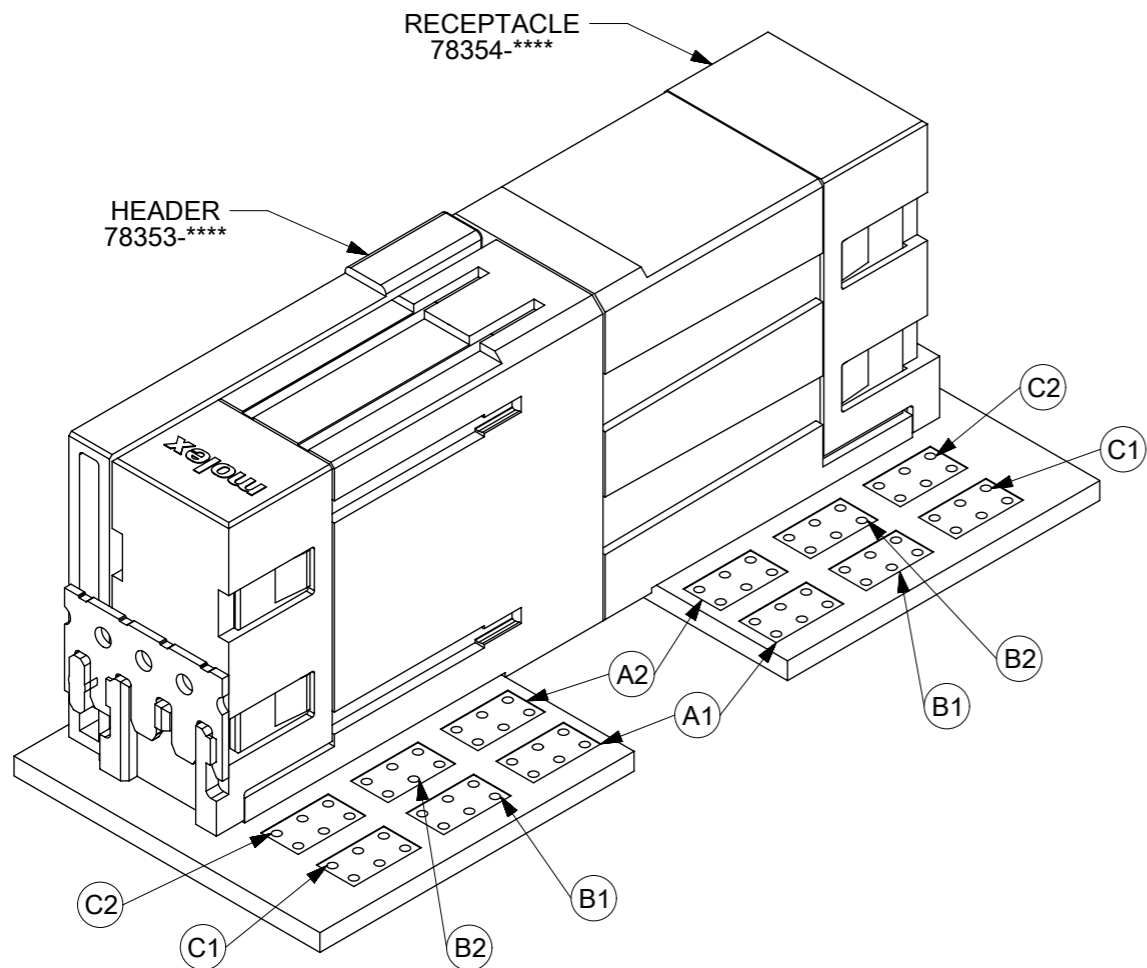
COPPER PAD REFERENCE DETAIL 1

| | | | |
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| SYMBOLS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |
| ▽ = 0 | DIMENSION UNITS | SCALE | CURRENT REV DESC: MIGRATION TO NX |
| ▽ = 0 | MM ONLY | NTS | |
| ▽ = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | molex IMPACT POWER, 6 PAIR HEADER WITH HOLD DOWN PRESS FIT PRODUCT CUSTOMER DRAWING |
| ▽ = 0 | ANGULAR TOL ± 3.0° | | |
| ▽ = 0 | 4 PLACES ± | EC NO: 602221 | |
| ▽ = 0 | 3 PLACES ± | DRWN: JSGOH01 2018/07/25 | |
| ▽ = 0 | 2 PLACES ± 0.25 | CHK'D: SHONG 2018/08/07 | |
| ▽ = 0 | 1 PLACE ± | APPR: SHONG 2018/08/07 | INITIAL REVISION: |
| ▽ = 0 | 0 PLACES ± | DRWN: LNG 2010/12/02 | DRWN: LNG 2010/12/02 |
| ▽ = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | APPR: KJKOH 2011/04/11 | APPR: KJKOH 2011/04/11 |
| ▽ = 0 | THIRD ANGLE PROJECTION | DRAWING | SERIES |
| | | A3-SIZE | 78353 |
| DOCUMENT STATUS | | DOCUMENT NUMBER | DOC TYPE |
| P1 | RELEASE DATE 2018/08/07 03:47:29 | SD-78353-001 | PSD |
| | | DOC PART | REVISION |
| | | 001 | B5 |
| | | MATERIAL NUMBER | CUSTOMER |
| | | SEE TABLE | GENERAL MARKET |
| | | SHEET NUMBER | |
| | | 2 OF 5 | |

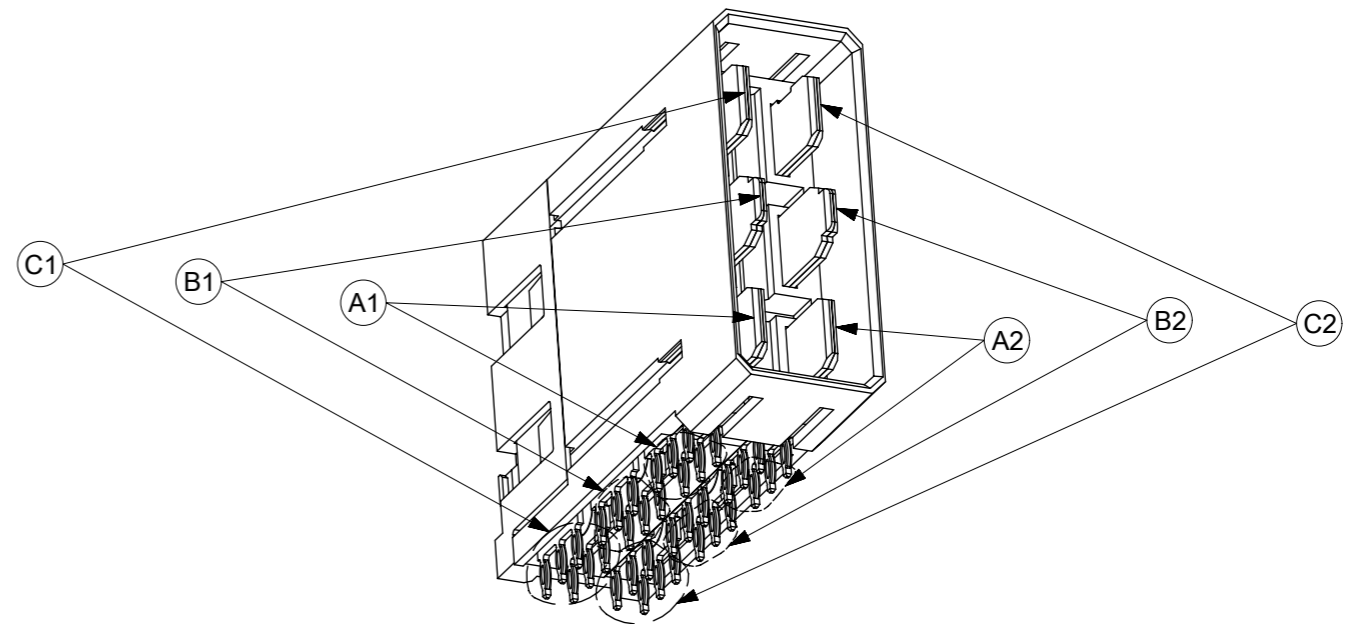
RIGHT HOLD DOWN OPTION



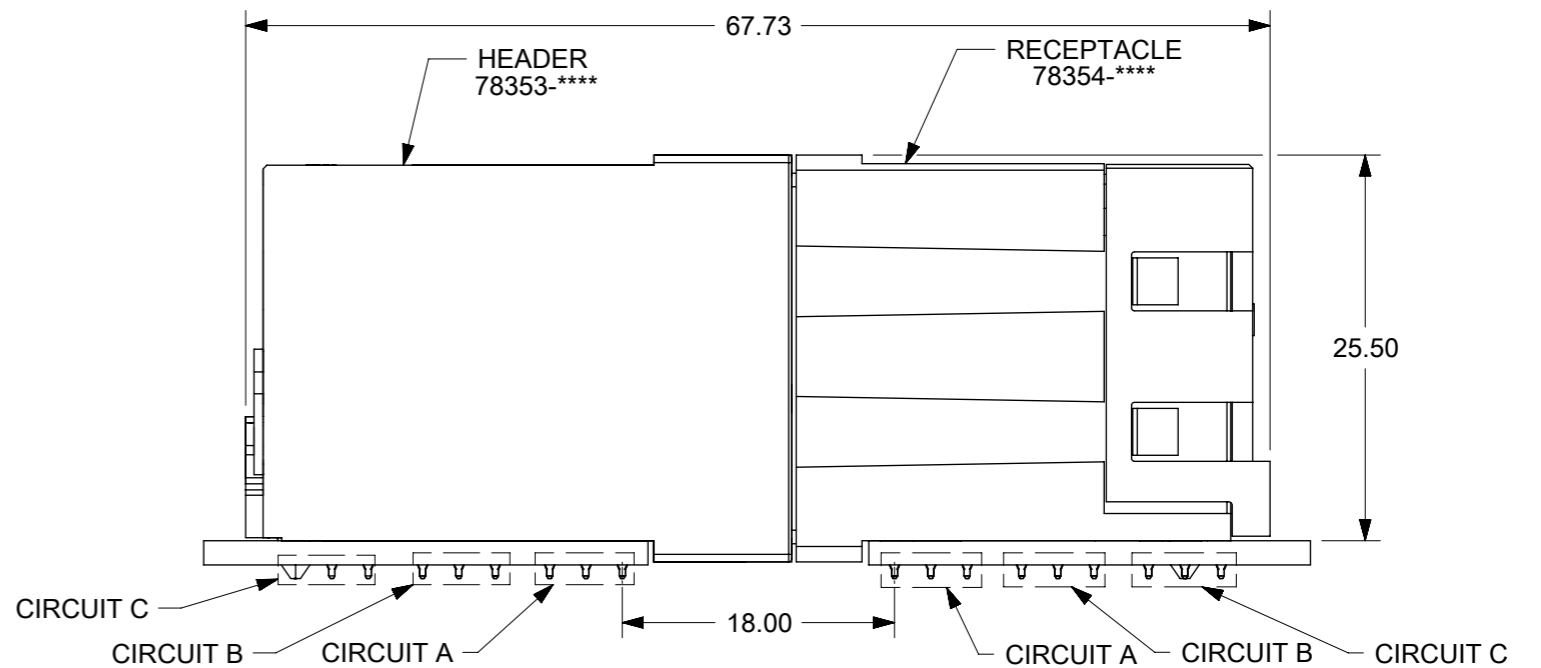
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|---------|--|---|-----------------------------------|
| SYMBOLS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |
| ▽ = 0 | DIMENSION UNITS | SCALE | CURRENT REV DESC: MIGRATION TO NX |
| ▽ = 0 | MM ONLY | NTS | |
| ▽ = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | |
| ▽ = 0 | ANGULAR TOL | ± 3.0° | |
| ▽ = 0 | 4 PLACES | ± | EC NO: 602221 |
| ▽ = 0 | 3 PLACES | ± | DRWN: JSGOH01 2018/07/25 |
| ▽ = 0 | 2 PLACES | ± 0.25 | CHK'D: SHONG 2018/08/07 |
| ▽ = 0 | 1 PLACE | ± | APPR: SHONG 2018/08/07 |
| ▽ = 0 | 0 PLACES | ± | INITIAL REVISION: |
| ▽ = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | DRWN: LNG 2010/12/02 |
| | | DRAWING | APPR: KJKOH 2011/04/11 |
| | | SERIES | |
| | | MATERIAL NUMBER | DOCUMENT NUMBER |
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| | | 78353 | DOC TYPE |
| | | SEE TABLE | PSD |
| | | GENERAL MARKET | DOC PART |
| | | | 001 |
| | | | REVISION |
| | | | B5 |
| | | | SHEET NUMBER |
| | | | 3 OF 5 |



1 POWER MODULE REMOVED TO ILLUSTRATE CIRCUIT PATH OF MATED SYSTEM

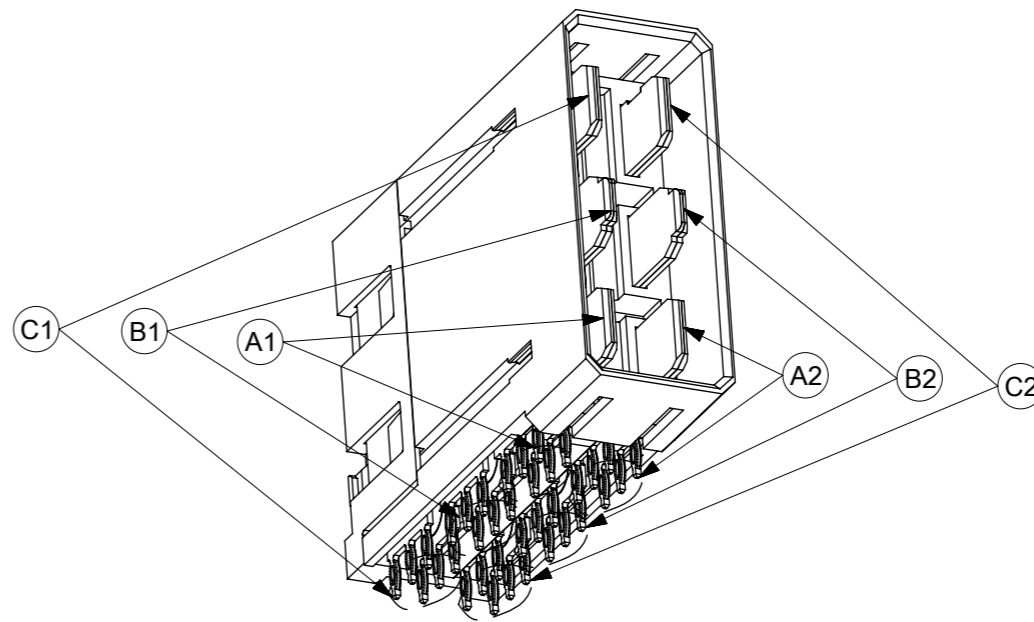
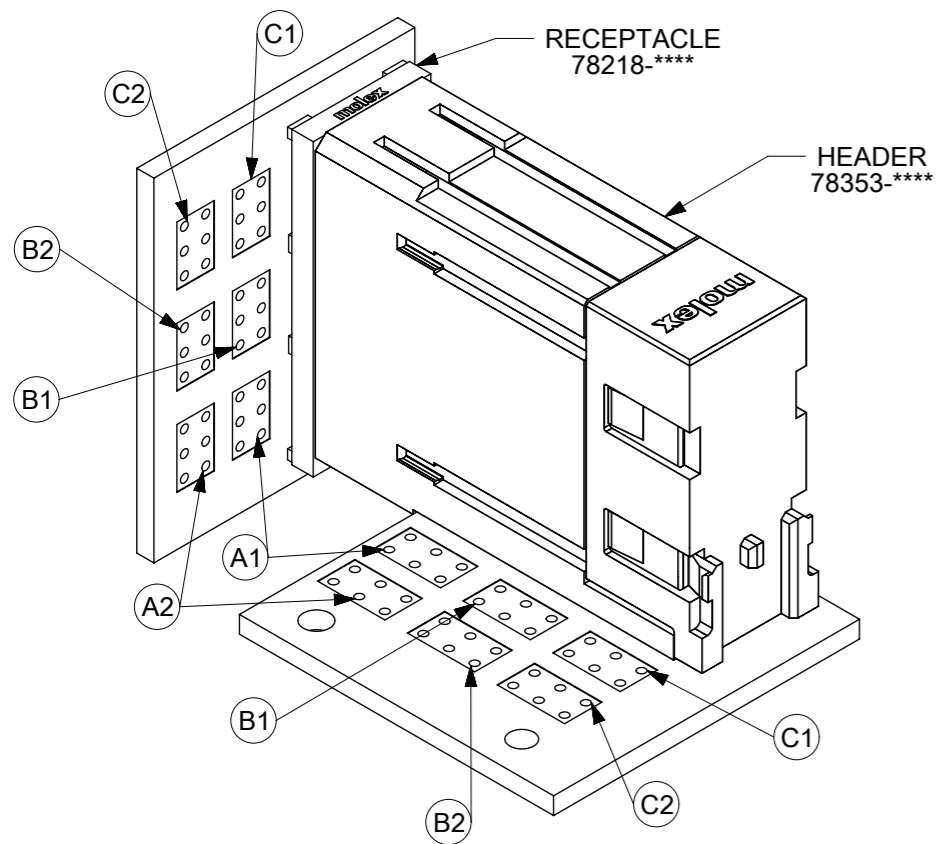


PIN NUMBER ASSIGNMENT BASED ON HEADER SIDE:
 A1, B1 ON THE LEFT
 A2, B2 ON THE RIGHT



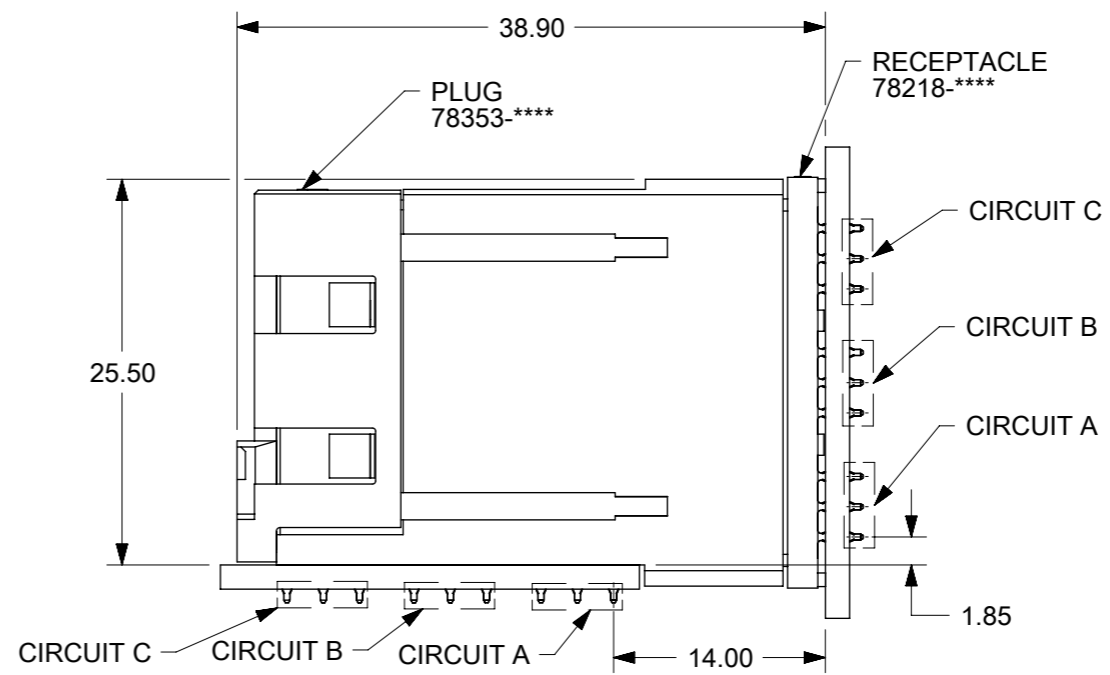
MATED SYSTEM OF 78353 & 78354

| | | | | |
|---|--|--|--|--|
| SYMBOLS DIMENSION UNITS: MM ONLY SCALE: NTS GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL: ± 3.0° 4 PLACES: ± 3 PLACES: ± 2 PLACES: ± 0.25 1 PLACE: ± 0 PLACES: ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING: A3-SIZE SERIES: 78353 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION CURRENT REV DESC: MIGRATION TO NX | | | |
| | EC NO: 602221 DRWN: JSGOH01 2018/07/25 CHK'D: SHONG 2018/08/07 APPR: SHONG 2018/08/07 | | | |
| | INITIAL REVISION: DRWN: LNG 2010/12/02 APPR: KJKOH 2011/04/11 | | PRODUCT CUSTOMER DRAWING | |
| | DOCUMENT NUMBER: SD-78353-001 DOC TYPE: PSD DOC PART: 001 REVISION: B5 | | MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 4 OF 5 | |

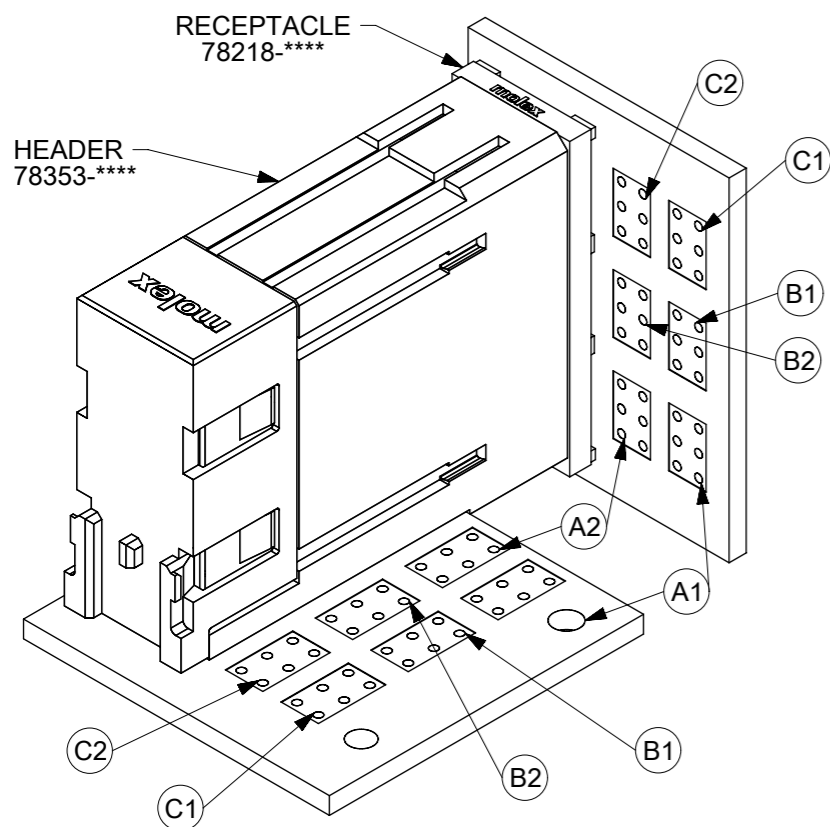


PIN NUMBER ASSIGNMENT BASED ON HEADER SIDE:
 A1, B1 ON THE LEFT
 A2, B2 ON THE RIGHT

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



MATED SYSTEM OF 78218 & 78353



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

| | | | | | | | |
|-----------------|--|---|------------------------|-----------------------------------|-----------------|--------------|---|
| SYMBOLS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | CURRENT REV DESC: MIGRATION TO NX | | molex | |
| ▽ = 0 | MM ONLY | SCALE | NTS | | | | |
| ▽ = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | EC NO: 602221 | | 2018/07/25 | | IMPACT POWER, 6 PAIR HEADER WITH HOLD DOWN PRESS FIT |
| ▽ = 0 | ANGULAR TOL ± 3.0° | | DRWN: JSGOH01 | | 2018/08/07 | | |
| ▽ = 0 | 4 PLACES ± | | CHK'D: SHONG | | 2018/08/07 | | PRODUCT CUSTOMER DRAWING |
| ▽ = 0 | 3 PLACES ± | | APPR: SHONG | | 2018/08/07 | | |
| ▽ = 0 | 2 PLACES ± 0.25 | | INITIAL REVISION: | | DOCUMENT NUMBER | | DOC TYPE |
| ▽ = 0 | 1 PLACE ± | | DRWN: LNG | | 2010/12/02 | | DOC PART |
| ▽ = 0 | 0 PLACES ± | | APPR: KJKOH | | 2011/04/11 | | REVISION |
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| ▽ = 0 | | | A3-SIZE | | 78353 | | MATERIAL NUMBER |
| DOCUMENT STATUS | | P1 | RELEASE DATE | 2018/08/07 | 03:47:29 | CUSTOMER | |
| | | | | | | SEE TABLE | GENERAL MARKET |
| | | | | | | | SHEET NUMBER |
| | | | | | | | 5 OF 5 |