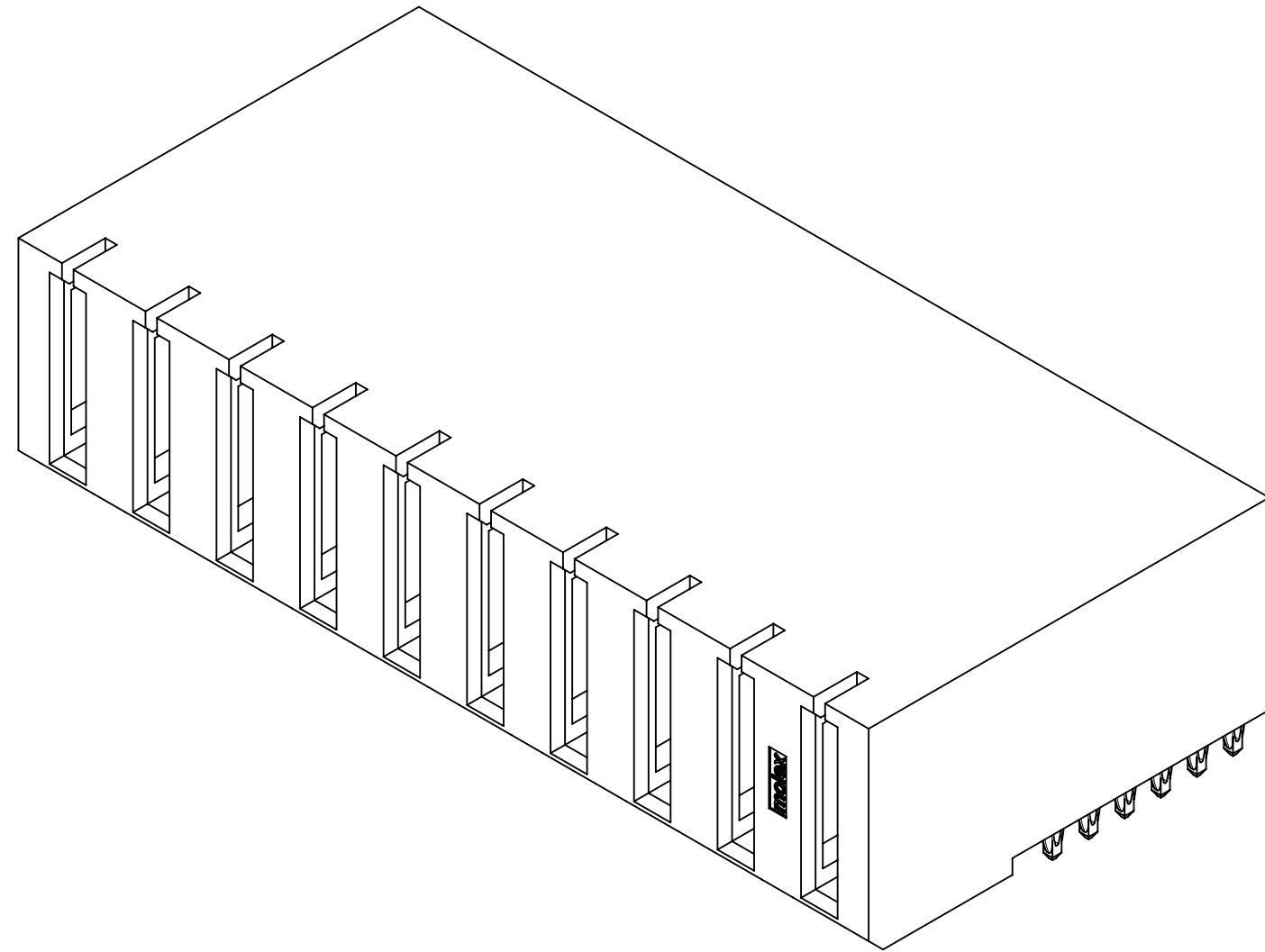
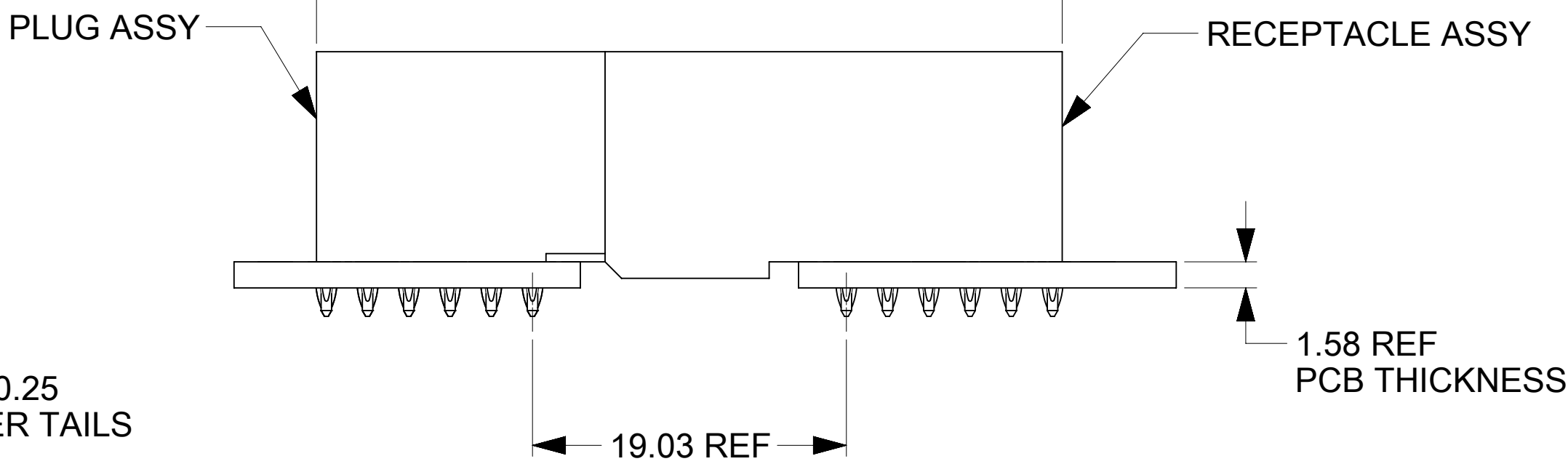
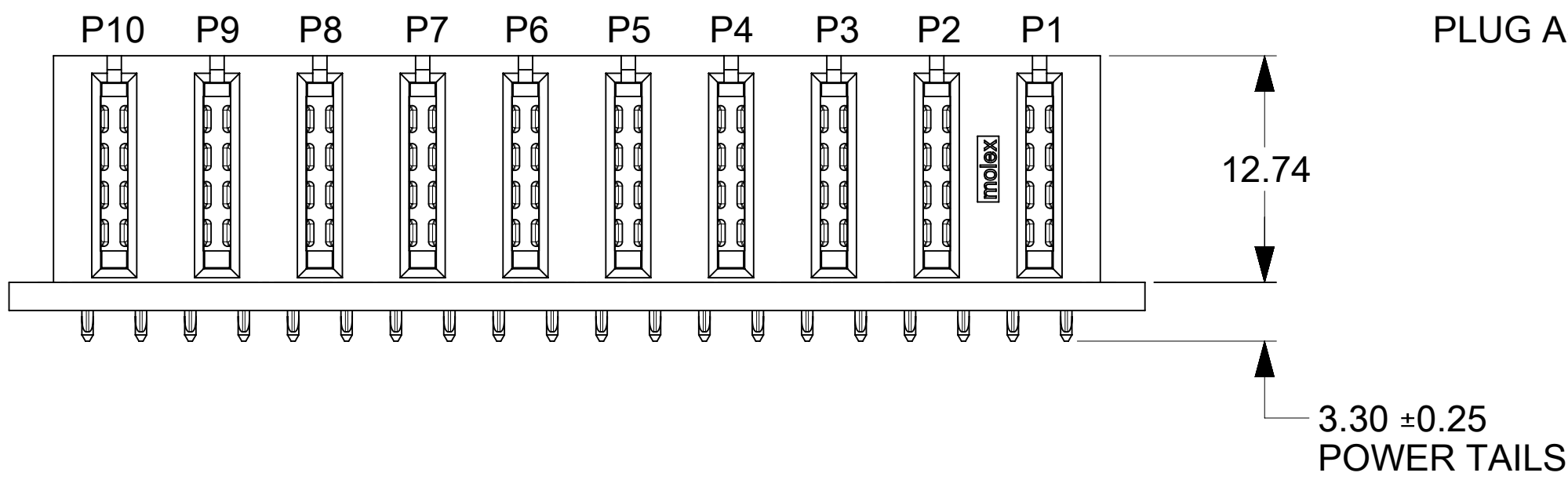
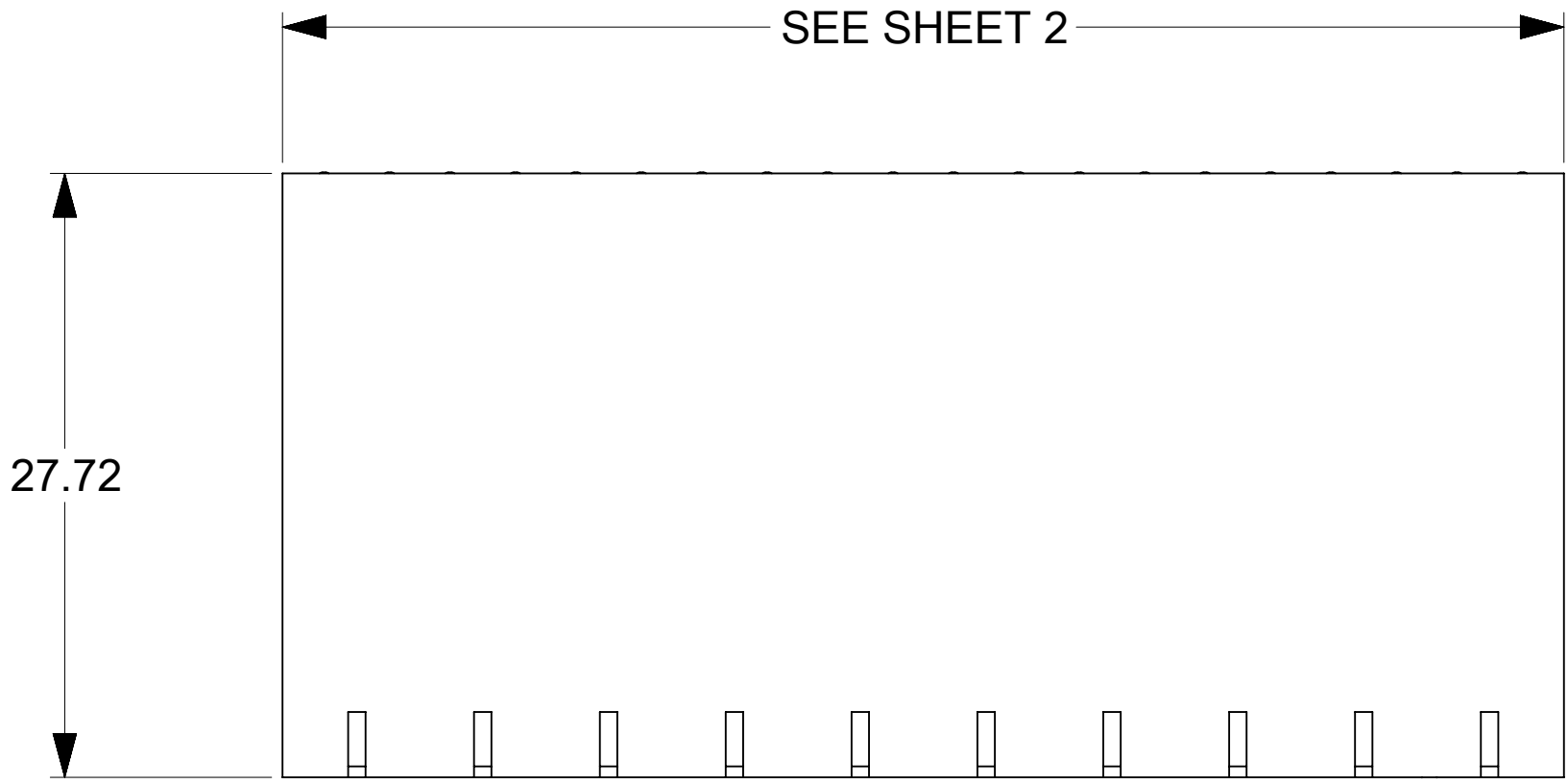
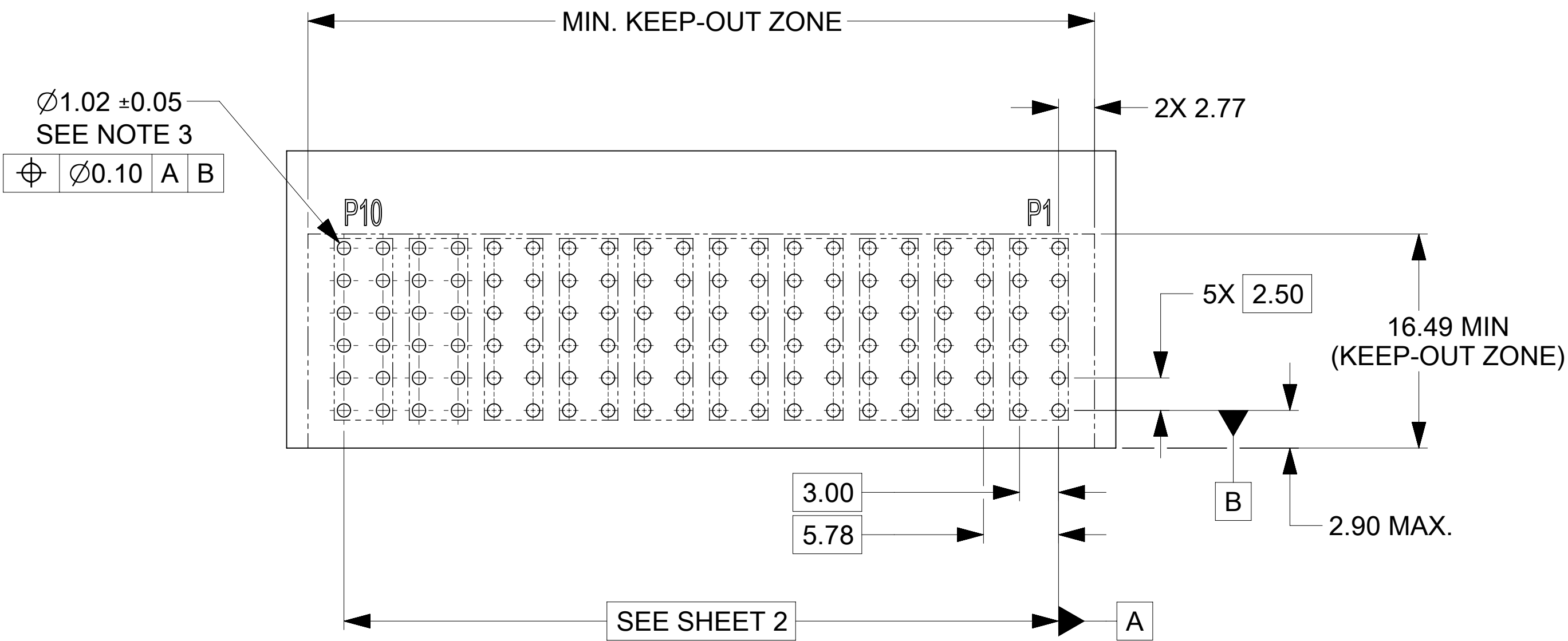




PLUG MATED TO R/A RECEPTACLE  
MATED PROFILE



RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE

- NOTES:
- MATERIAL:
    - HOUSINGS: LCP UL94, V-0, COLOR : BLACK
    - TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
    - PLATING: 1.27 µm (50 µin) NICKEL OVERALL WITH 2.54 µm (100 µin) SELECTIVE TIN ON TAILS AND 0.762 µm (30 µin) SELECTIVE GOLD ON CONTACT AREA
  - PACKAGING: ASSEMBLIES TO BE TRAY PACKED PER PACKAGING SPEC: 2141150010-PK.
  - PLATED THRU HOLE SIZE, REFER TO PRODUCT SPEC. FOR DETAILS.
  - PRODUCT SPEC: 2141130000-PS.
  - PRODUCT TO MEET RoHS REQUIREMENTS.
  - VERTICAL ASSEMBLY MATES TO MOLEX PLUG 219562XXXX-SD, SEE DRAWING FOR DETAILS.
  - TAIL DESIGN: COMPLIANT PIN.
  - POWER TERMINALS ARE LUBRICATED.
  - APPLICATION SPECIFICATION: 2141130000-AS (FOR COMPLIANT TAILS ONLY).

|                                                                                                                                                                             |  |        |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|----------------------------------------------------------------------------------|--|--------|--|-----------------------------------------------------------------------------------------------------|--|-----------------|--|----------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                               |  |        |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
| DIMENSION UNITS                                                                                                                                                             |  | SCALE  |  | CURRENT REV DESC:                                                                |  |        |  | <div>molex</div>                                                                                    |  |                 |  |                |  |
| mm                                                                                                                                                                          |  | 3:1    |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                                                    |  |        |  |                                                                                  |  |        |  | EC NO: 745288<br>DRWN: LZABJANOVSKI 2023/03/24<br>CHK'D: JAYK1 2023/04/10<br>APPR: JAYK1 2023/04/10 |  |                 |  |                |  |
| ANGULAR TOL ± °                                                                                                                                                             |  |        |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
| 4 PLACES                                                                                                                                                                    |  | ±      |  | INITIAL REVISION:<br>DRWN: LZABJANOVSKI 2022/04/01<br>APPR: BPISZCZOR 2022/08/04 |  |        |  | GUARDIAN HD REC POWER ONLY<br>UNGUIDED PF                                                           |  |                 |  |                |  |
| 3 PLACES                                                                                                                                                                    |  | ±      |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
| 2 PLACES                                                                                                                                                                    |  | ± 0.25 |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
| 1 PLACE                                                                                                                                                                     |  | ± 0.3  |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
| 0 PLACES                                                                                                                                                                    |  | ±      |  | DOCUMENT NUMBER<br><div>2195649003-SD</div>                                      |  |        |  | DOC TYPE<br>PSD                                                                                     |  | DOC PART<br>000 |  | REVISION<br>A3 |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                  |  |        |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
|                                                                                                                                                                             |  |        |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
|                                                                                                                                                                             |  |        |  |                                                                                  |  |        |  |                                                                                                     |  |                 |  |                |  |
| THIRD ANGLE PROJECTION                                                                                                                                                      |  |        |  | DRAWING                                                                          |  | SERIES |  | MATERIAL NUMBER                                                                                     |  | CUSTOMER        |  | SHEET NUMBER   |  |
|   |  |        |  | D-SIZE                                                                           |  | 219564 |  | SEE CHART                                                                                           |  |                 |  | 1 OF 2         |  |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/04/11 | 17:06:07 |
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