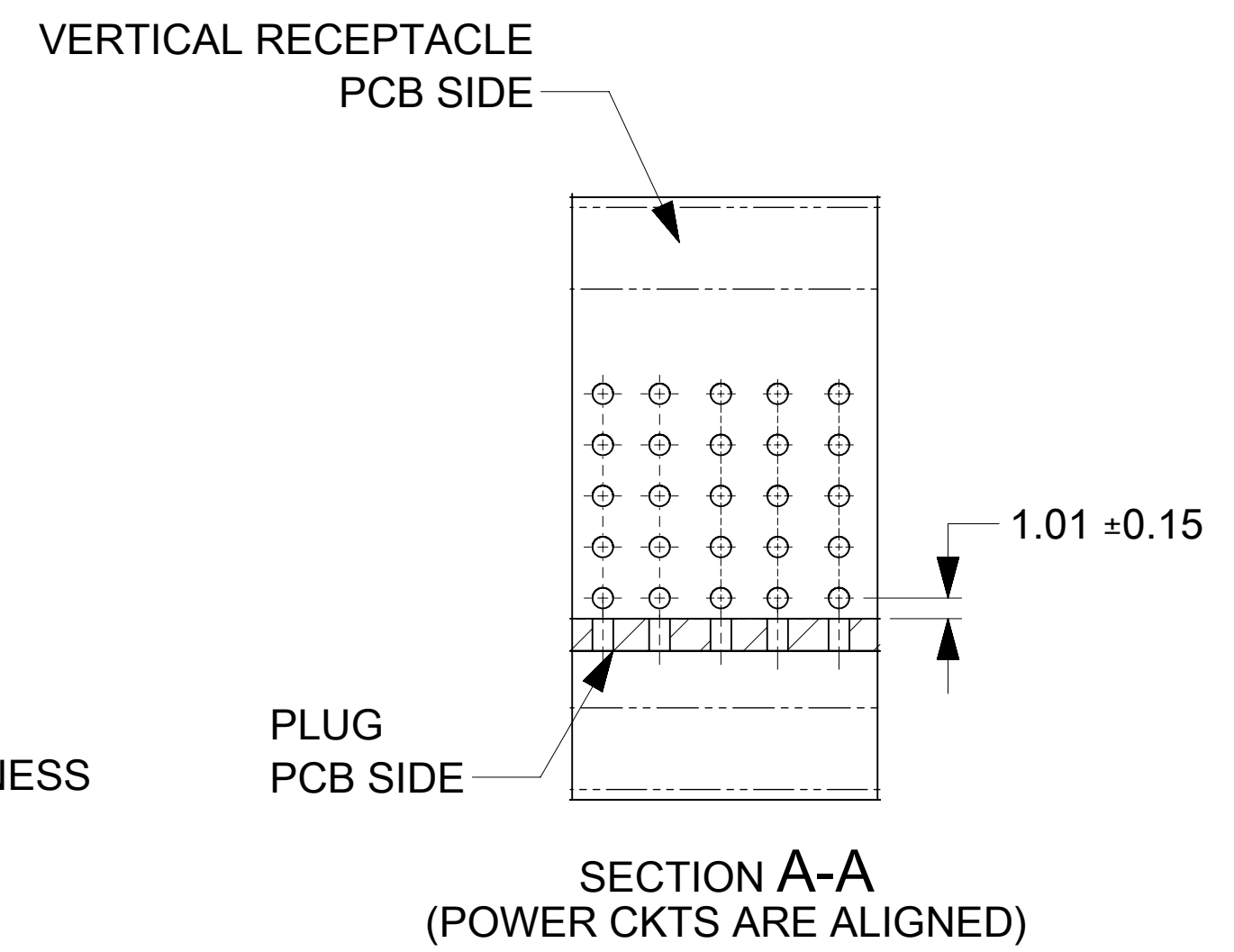
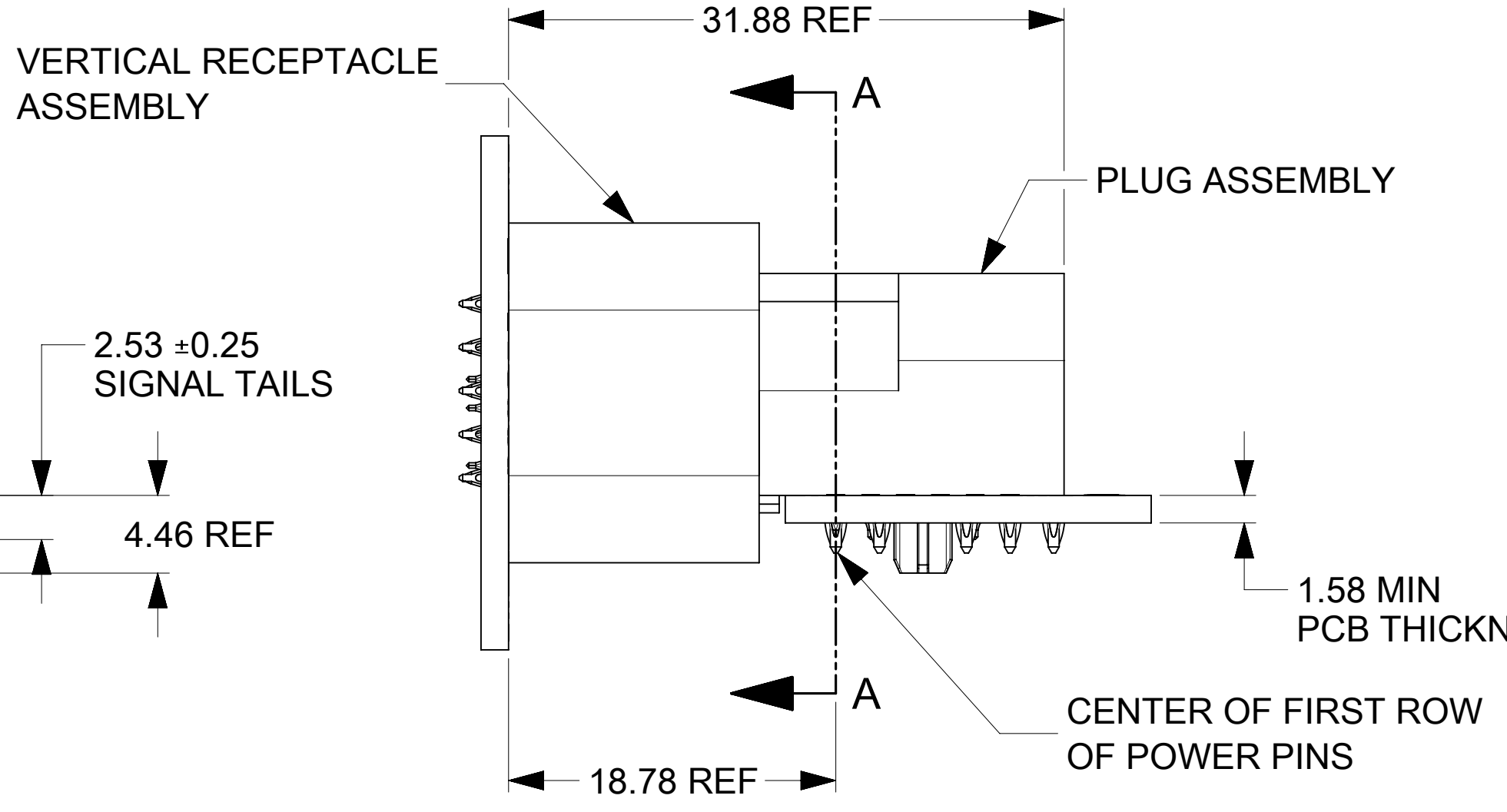
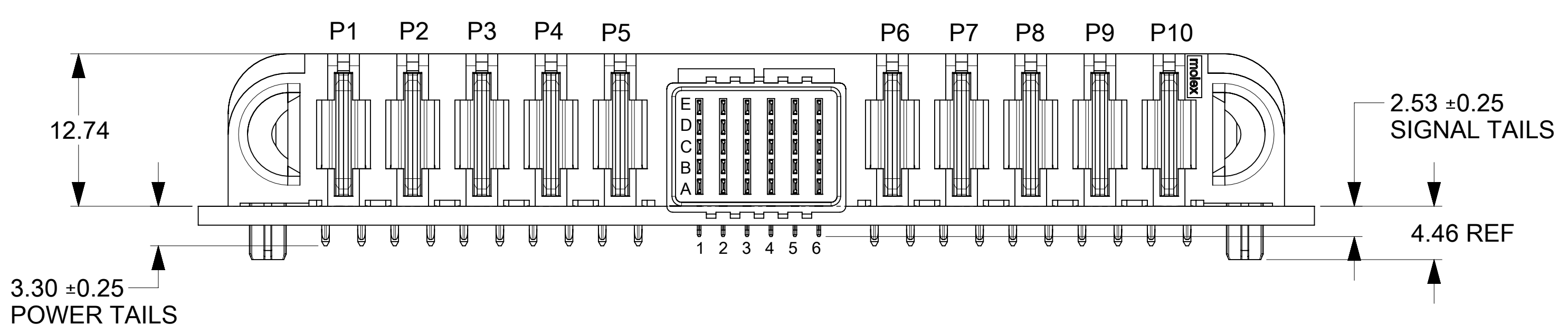
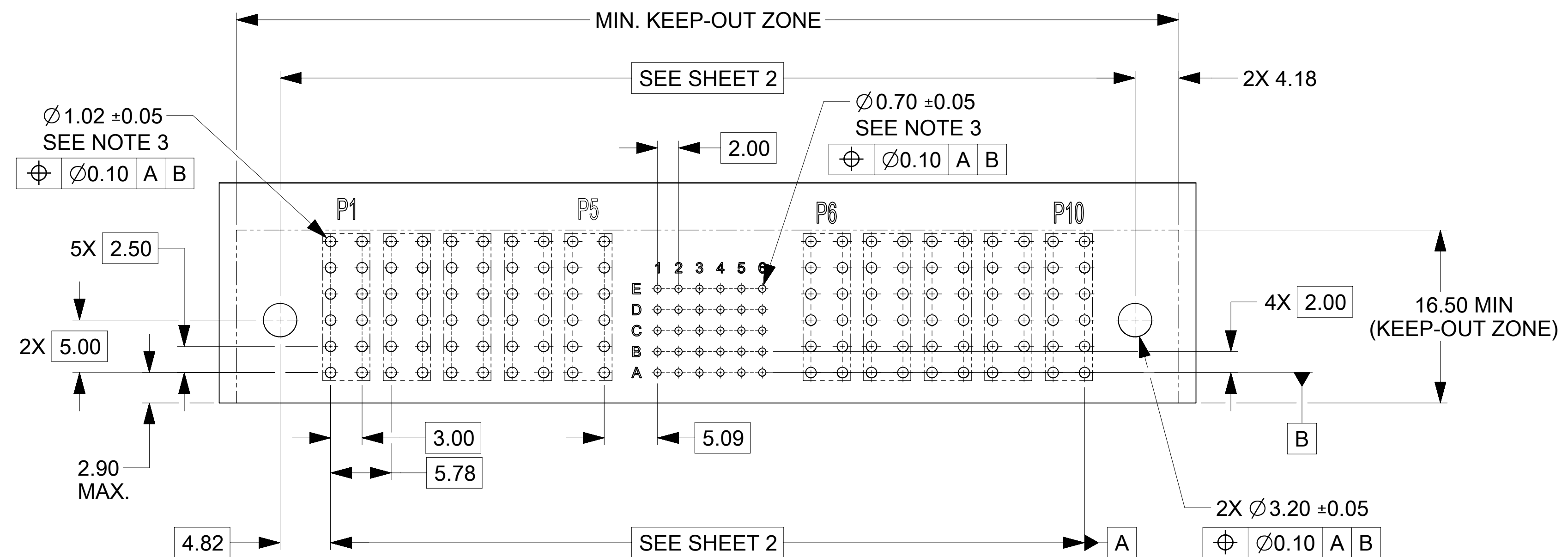


**PLUG MATED TO R/A RECEPTACLE
MATED PROFILE**



**PLUG MATED TO VERTICAL RECEPTACLE
MATED PROFILE**

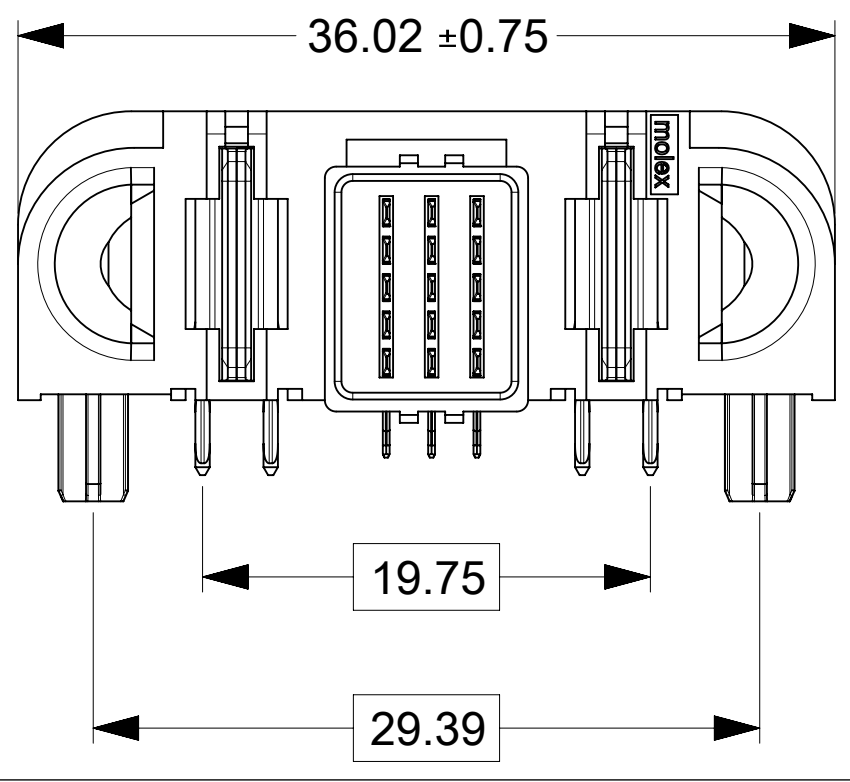


- NOTES:**
- MATERIAL:**
 - HOUSINGS: LCP UL94, V-0, COLOR : BLACK
 - TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
 - PLATING: 1.27 μm (50 μin) NICKEL OVERALL WITH 2.54 μm (100 μin) SELECTIVE TIN ON TAILS AND 0.762 μm (30 μin) SELECTIVE GOLD ON CONTACT AREA
 - PACKAGING:** ASSEMBLIES TO BE TRAY PACKED PER PACKAGING SPEC: 2141130010-PK.
 - PLATED THRU HOLE SIZE,** REFER TO PRODUCT SPEC. FOR DETAILS.
 - PRODUCT SPEC:** 2141130000-PS.
 - PRODUCT TO MEET** RoHS REQUIREMENTS.
 - PLUG ASSEMBLY MATES TO MOLEX RECEPTACLES** 219563XXXX-SD AND 219564XXXX-SD, SEE DRAWINGS FOR DETAILS.
 - TAIL DESIGN:** COMPLIANT PIN.
 - POWER TERMINALS AND SIGNALS** ARE LUBRICATED.
 - APPLICATION SPECIFICATION:** 2141130000-AS (FOR COMPLIANT TAILS ONLY).

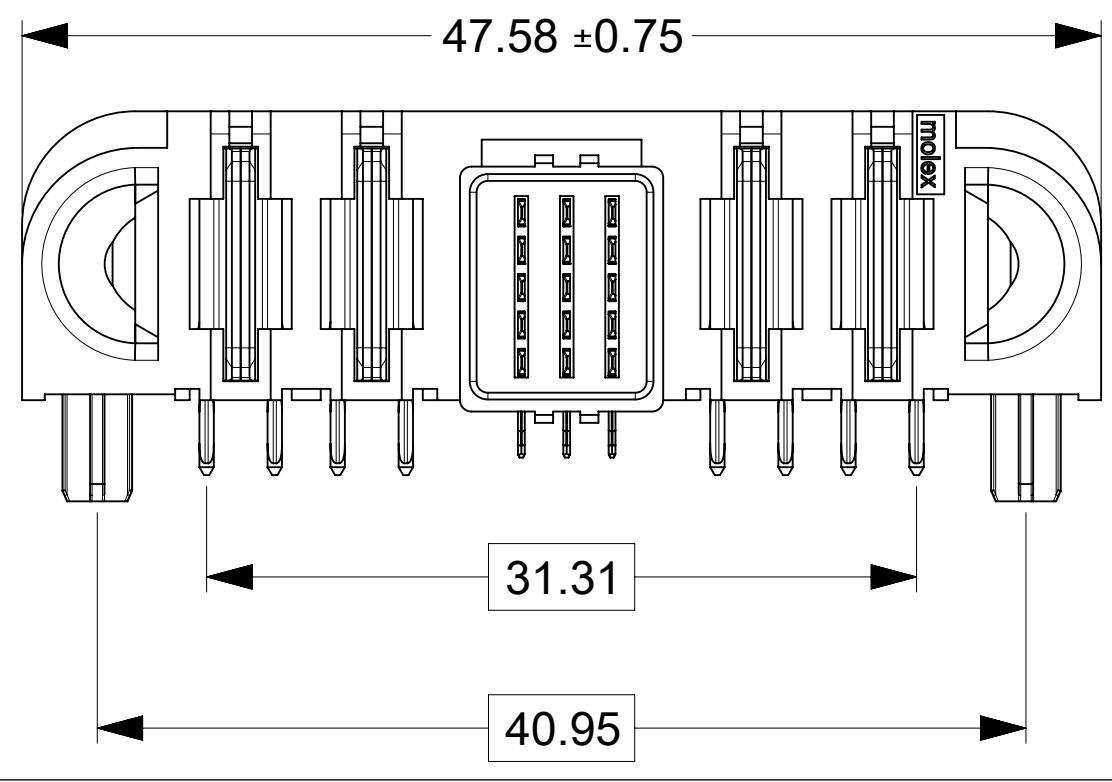
RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE

| | | | | | | |
|---|--------|-------------------------------|---------------|--|-----------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | CURRENT REV DESC: | | molex | | |
| DIMENSION UNITS | SCALE | EC NO: 745288 | | | | |
| mm | 3:1 | DRWN: LZABJANOVSKI 2023/03/09 | | GUARDIAN HD RA PLUG DUAL POWER SIGNAL CENTER PF | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | CHK'D: JAYK1 2023/04/10 | | | | |
| ANGULAR TOL | ± ° | APPR: JAYK1 2023/04/10 | | PRODUCT CUSTOMER DRAWING | | |
| 4 PLACES | ± | INITIAL REVISION: | | DOCUMENT NUMBER | | |
| 3 PLACES | ± | DRWN: LZABJANOVSKI 2022/03/28 | | 2195629002-SD | | |
| 2 PLACES | ± 0.25 | APPR: BPISZCZOR 2022/08/04 | | DOC TYPE DOC PART REVISION | | |
| 1 PLACE | ± 0.3 | DRAWING | | PSD 000 A1 | | |
| 0 PLACES | ± | SERIES | | MATERIAL NUMBER CUSTOMER SHEET NUMBER | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING | SERIES | SEE CHART | |
| | | | D-SIZE | 219562 | 1 OF 2 | |

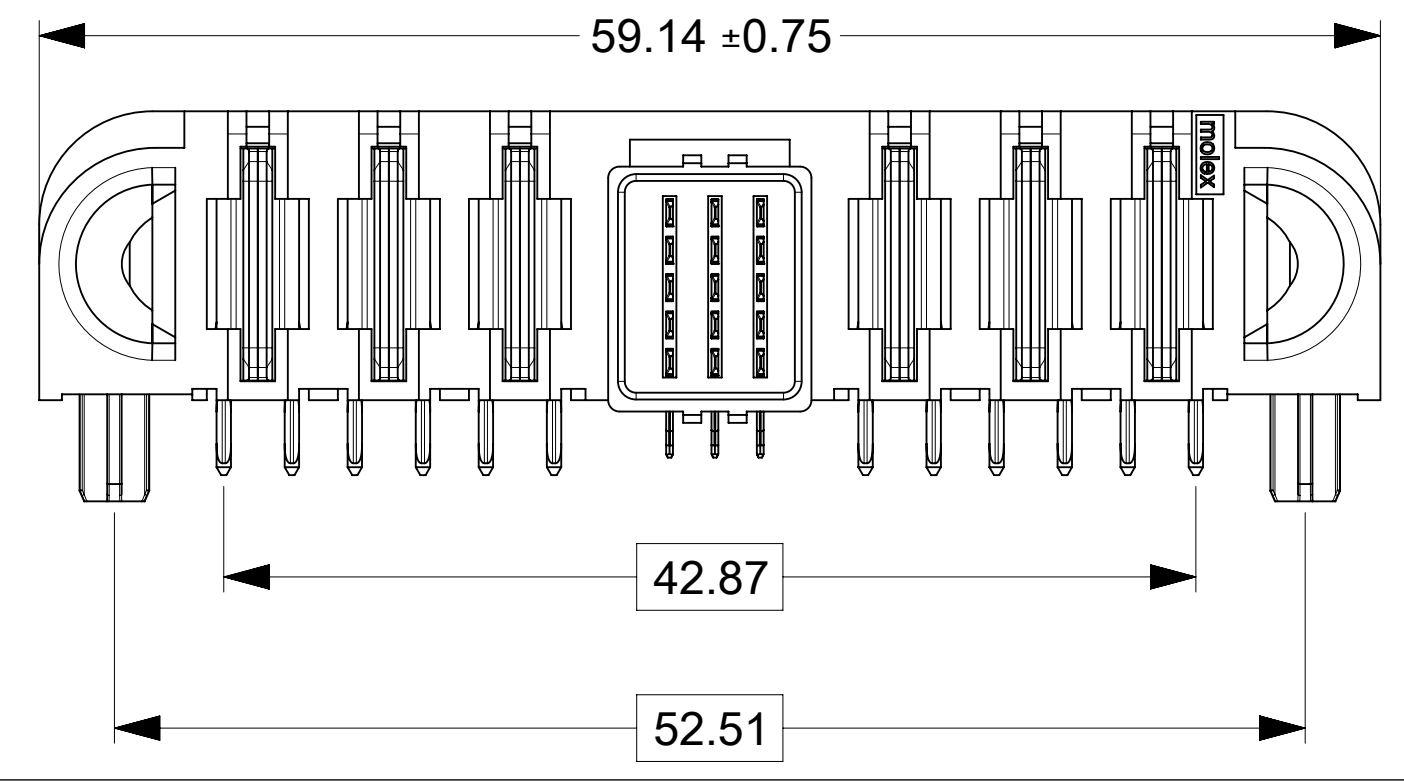
| PART NUMBER | CONFIGURATION | QUANTITY PER CARTON (DU) |
|-------------|---------------|--------------------------|
| 219562-0021 | G+1P+15S+1P+G | 105 |



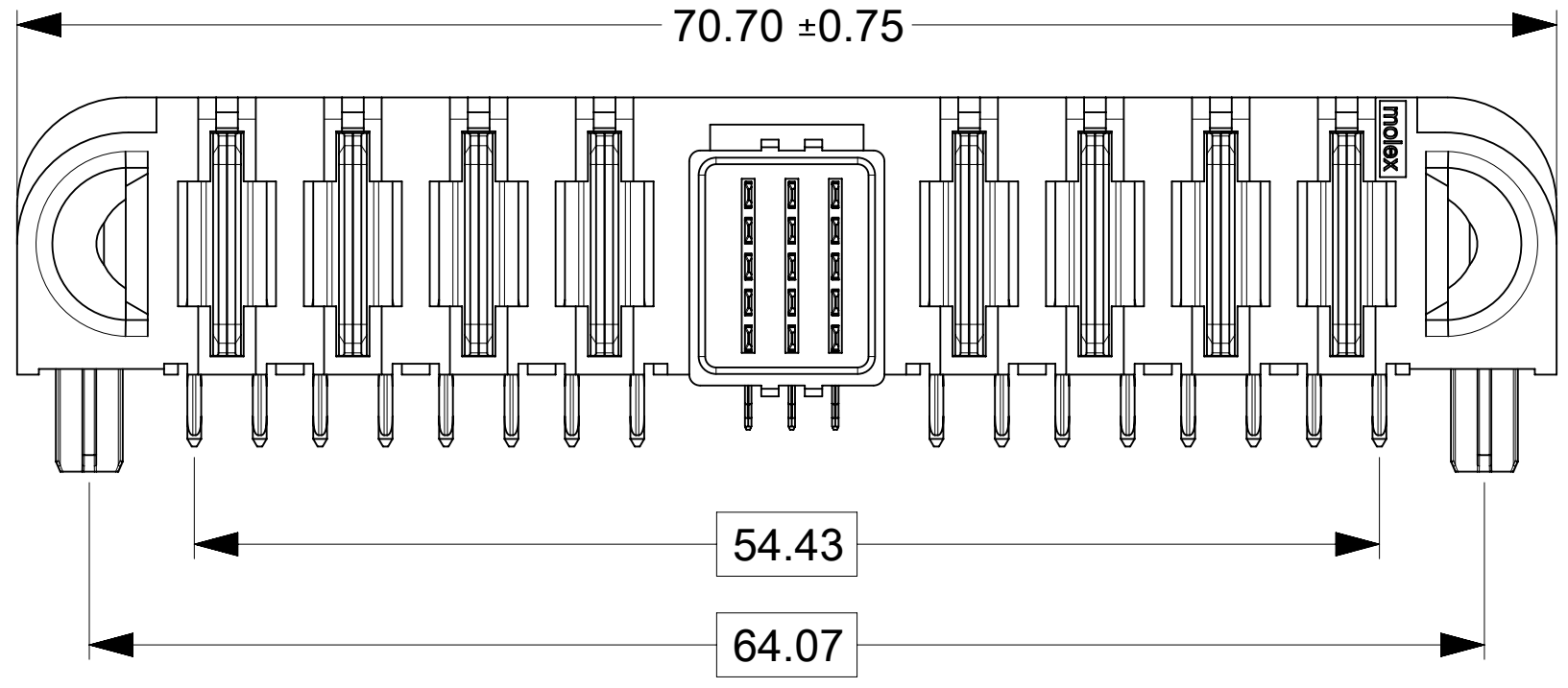
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|-------------|---------------|--------------------------|
| 219562-0022 | G+2P+15S+2P+G | 75 |



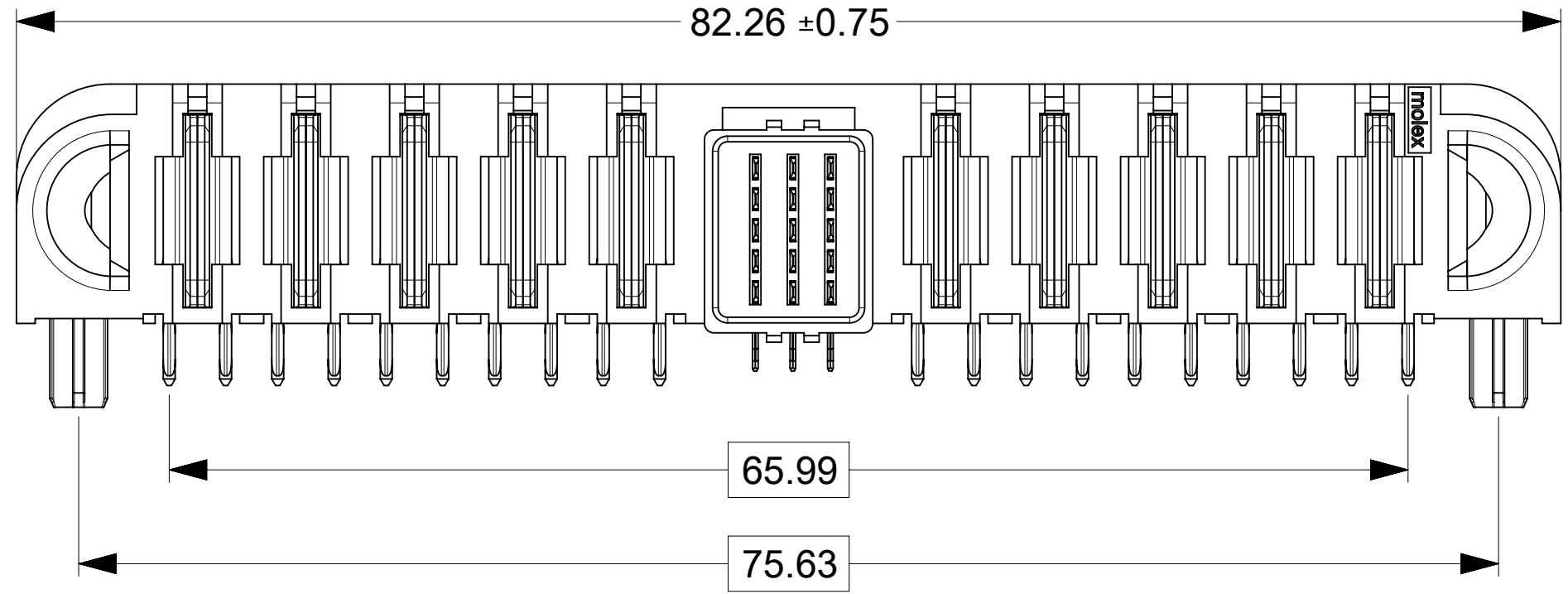
| PART NUMBER | CONFIGURATION | QUANTITY PER CARTON (DU) |
|-------------|---------------|--------------------------|
| 219562-0023 | G+3P+15S+3P+G | 60 |



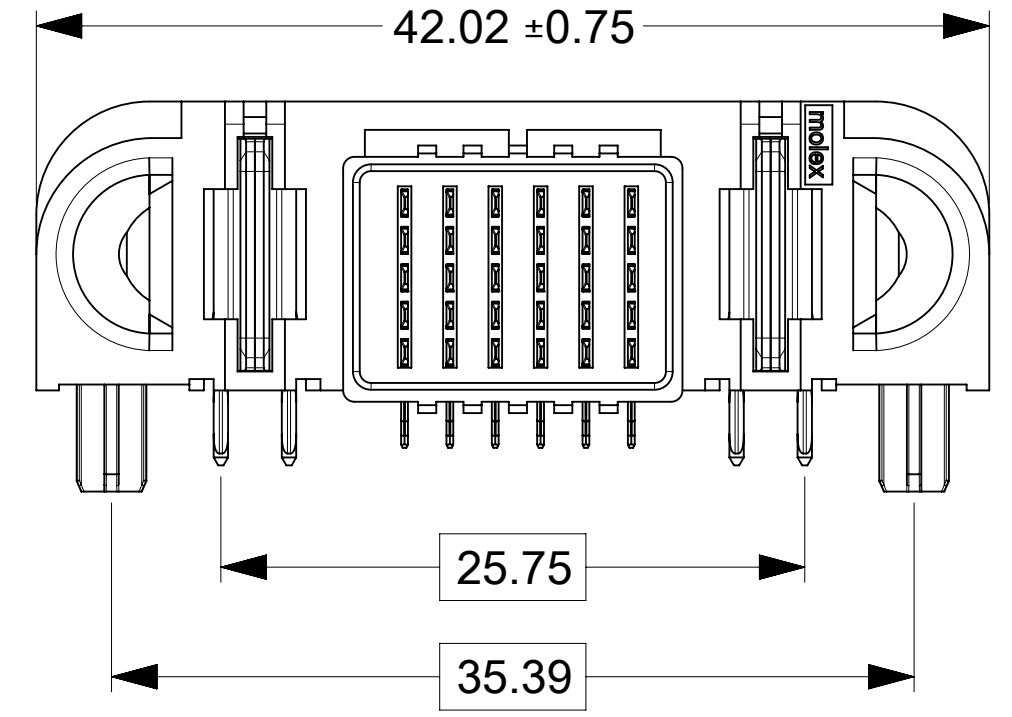
| PART NUMBER | CONFIGURATION | QUANTITY PER CARTON (DU) |
|-------------|---------------|--------------------------|
| 219562-0024 | G+4P+15S+4P+G | 45 |



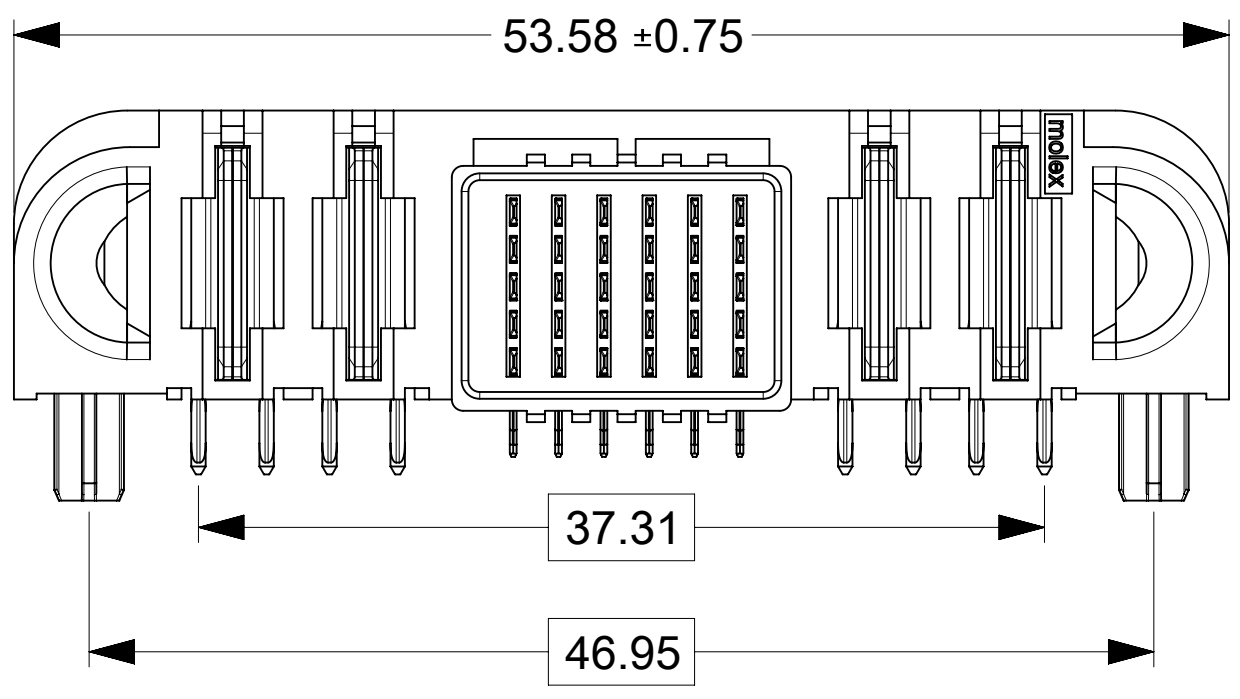
| PART NUMBER | CONFIGURATION | QUANTITY PER CARTON (DU) |
|-------------|---------------|--------------------------|
| 219562-0025 | G+5P+15S+5P+G | 45 |



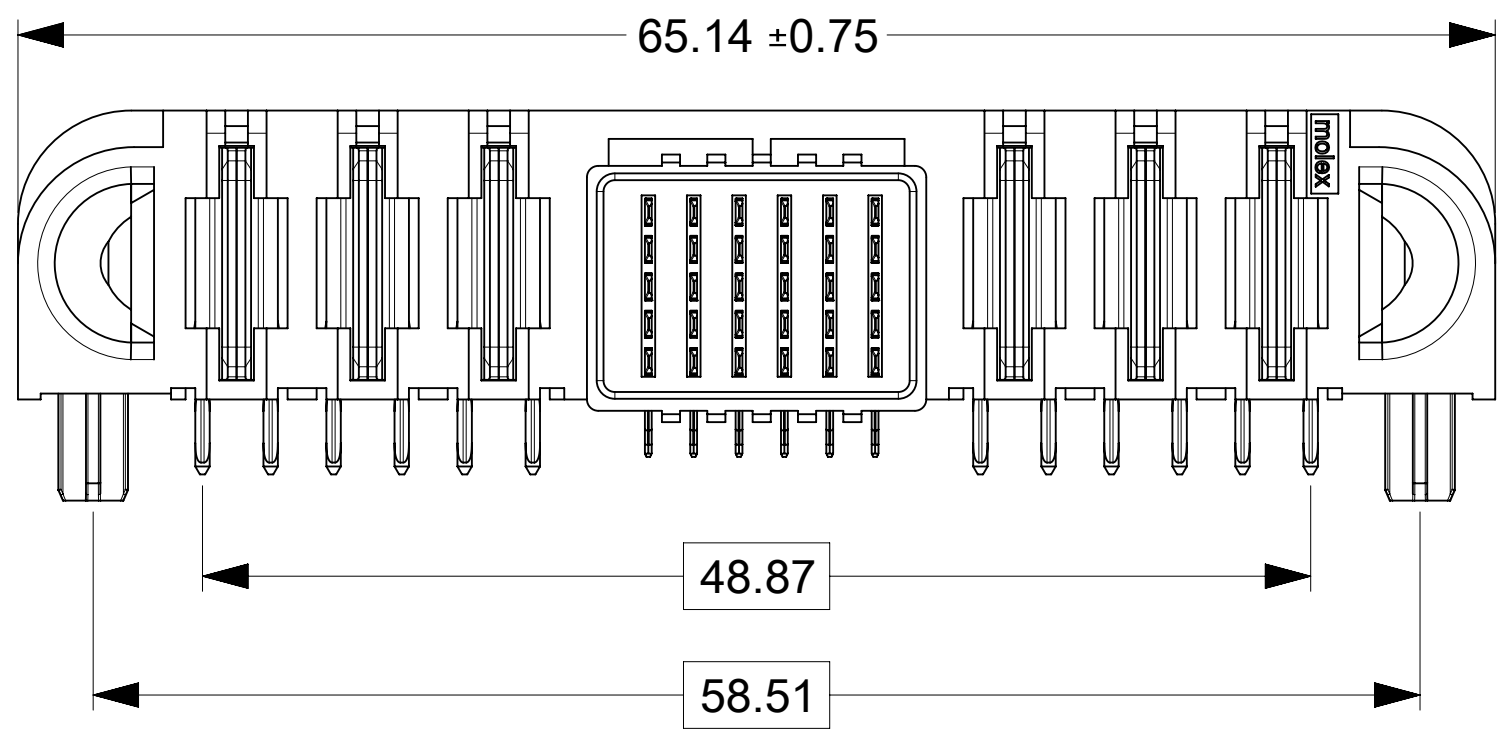
| PART NUMBER | CONFIGURATION | QUANTITY PER CARTON (DU) |
|-------------|---------------|--------------------------|
| 219562-0026 | G+1P+30S+1P+G | 90 |



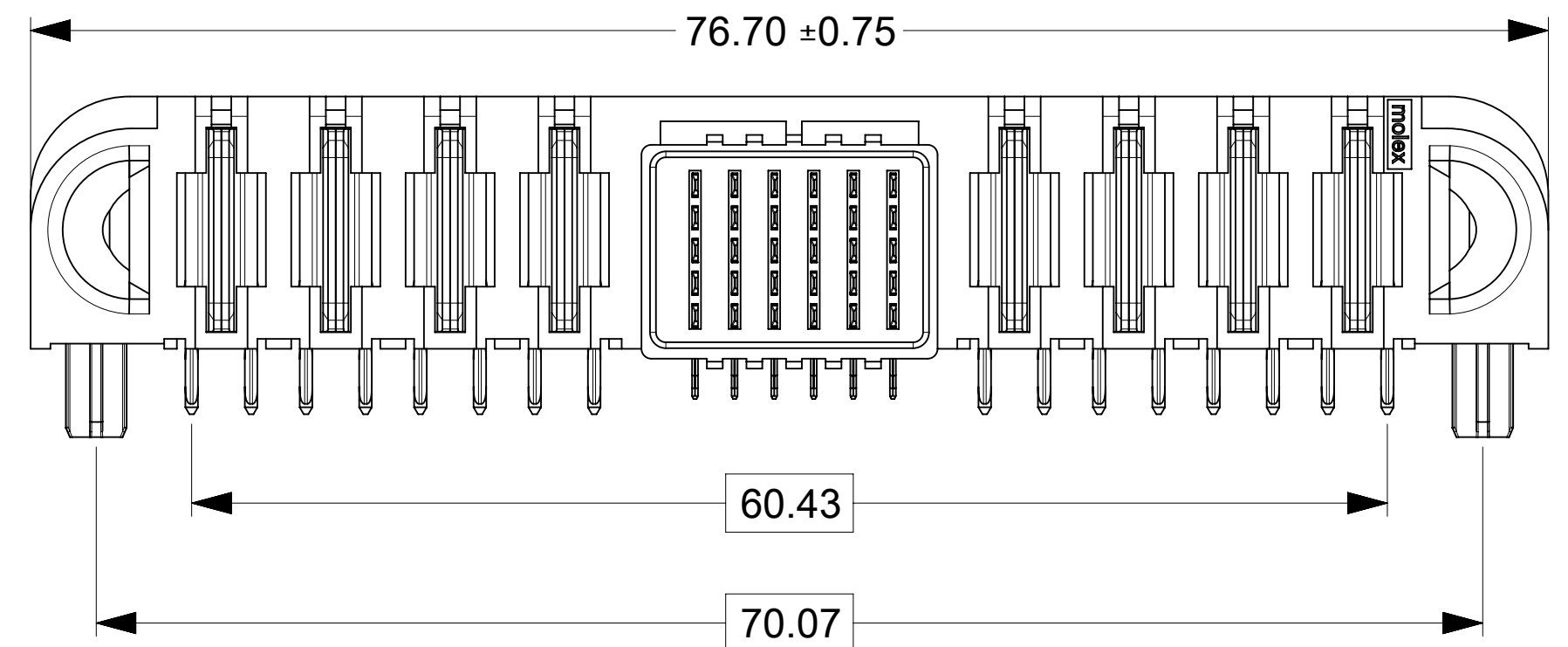
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|-------------|---------------|--------------------------|
| 219562-0027 | G+2P+30S+2P+G | 60 |



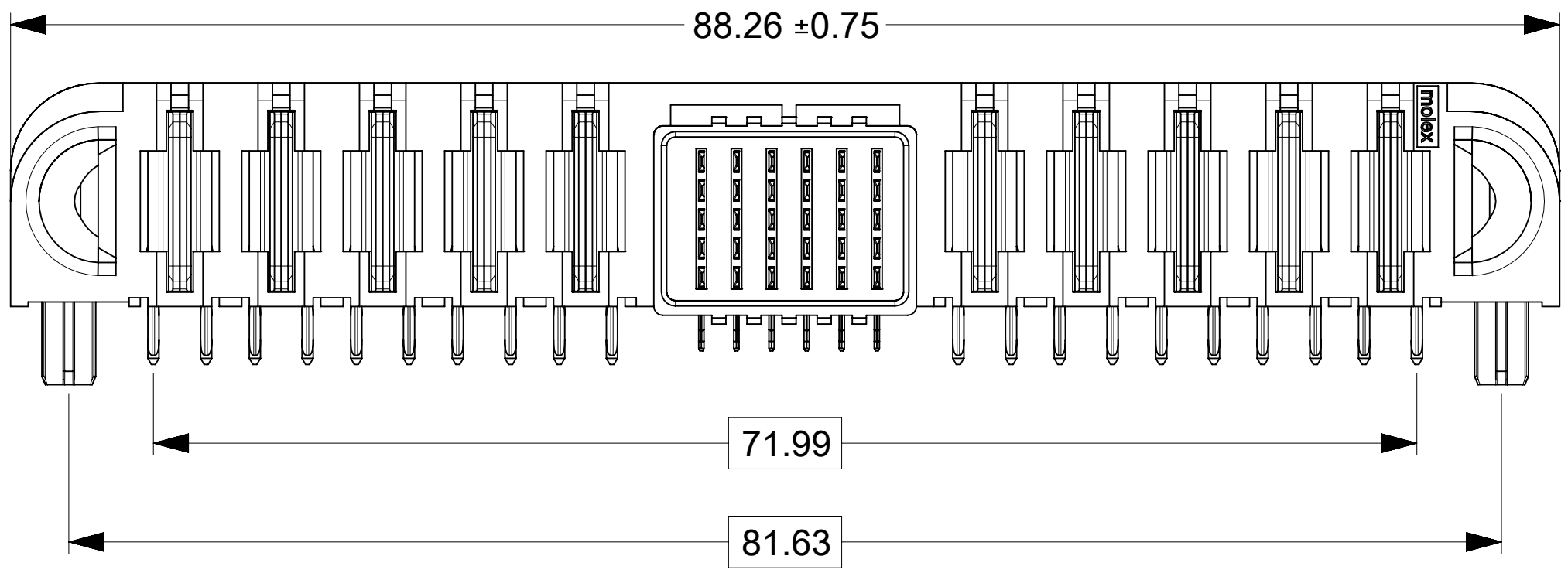
| PART NUMBER | CONFIGURATION | QUANTITY PER CARTON (DU) |
|-------------|---------------|--------------------------|
| 219562-0028 | G+3P+30S+3P+G | 45 |



| PART NUMBER | CONFIGURATION | QUANTITY PER CARTON (DU) |
|-------------|---------------|--------------------------|
| 219562-0029 | G+4P+30S+4P+G | 45 |



| PART NUMBER | CONFIGURATION | QUANTITY PER CARTON (DU) |
|-------------|---------------|--------------------------|
| 219562-0030 | G+5P+30S+5P+G | 30 |



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| | | |
|--|------------------------|-------------------|
| DIMENSION UNITS | SCALE | CURRENT REV DESC: |
| mm | 3:1 | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | |
| ANGULAR TOL | ± | ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.25 |
| 1 PLACE | ± | 0.3 |
| 0 PLACES | ± | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | DRAWING SERIES |
| | | D-SIZE 219562 |

| | |
|--------------------|------------|
| EC NO: 745288 | 2023/03/09 |
| DRWN: LZABJANOVSKI | 2023/04/10 |
| CHK'D: JAYK1 | 2023/04/10 |
| APPR: JAYK1 | 2023/04/10 |
| INITIAL REVISION: | |
| DRWN: LZABJANOVSKI | 2022/03/28 |
| APPR: BPISZCZOR | 2022/08/04 |

| | | | | | |
|-----------------|--|----------|----------|--------------|----------|
| DOCUMENT NUMBER | | | DOC TYPE | DOC PART | REVISION |
| 2195629002-SD | | | PSD | 000 | A1 |
| MATERIAL NUMBER | | CUSTOMER | | SHEET NUMBER | |
| SEE CHART | | | | 2 OF 2 | |

molex

GUARDIAN HD RA PLUG DUAL POWER SIGNAL CENTER PF

PRODUCT CUSTOMER DRAWING

| | | | | |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/04/11 | 17:04:40 |
|-----------------|----|--------------|------------|----------|