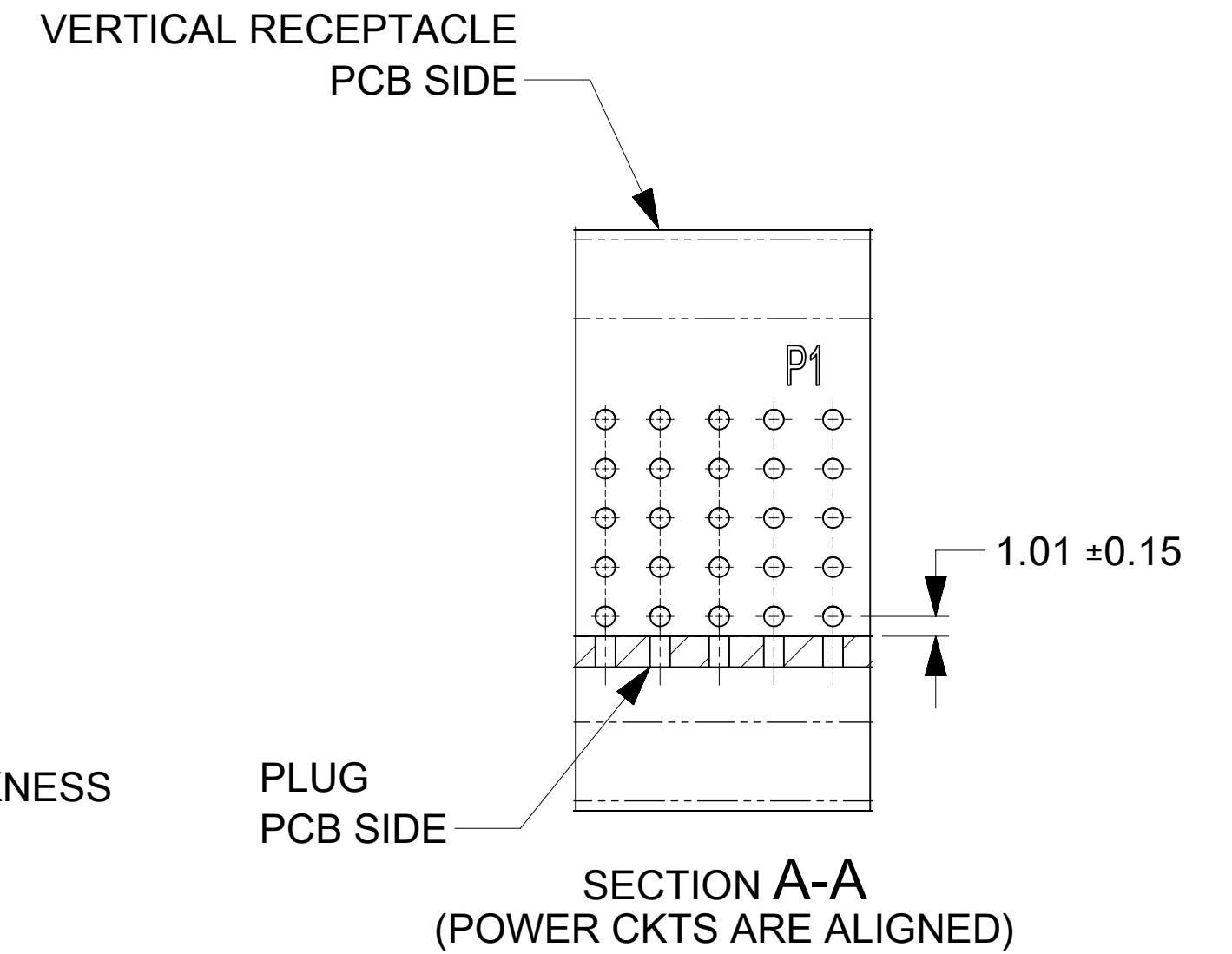
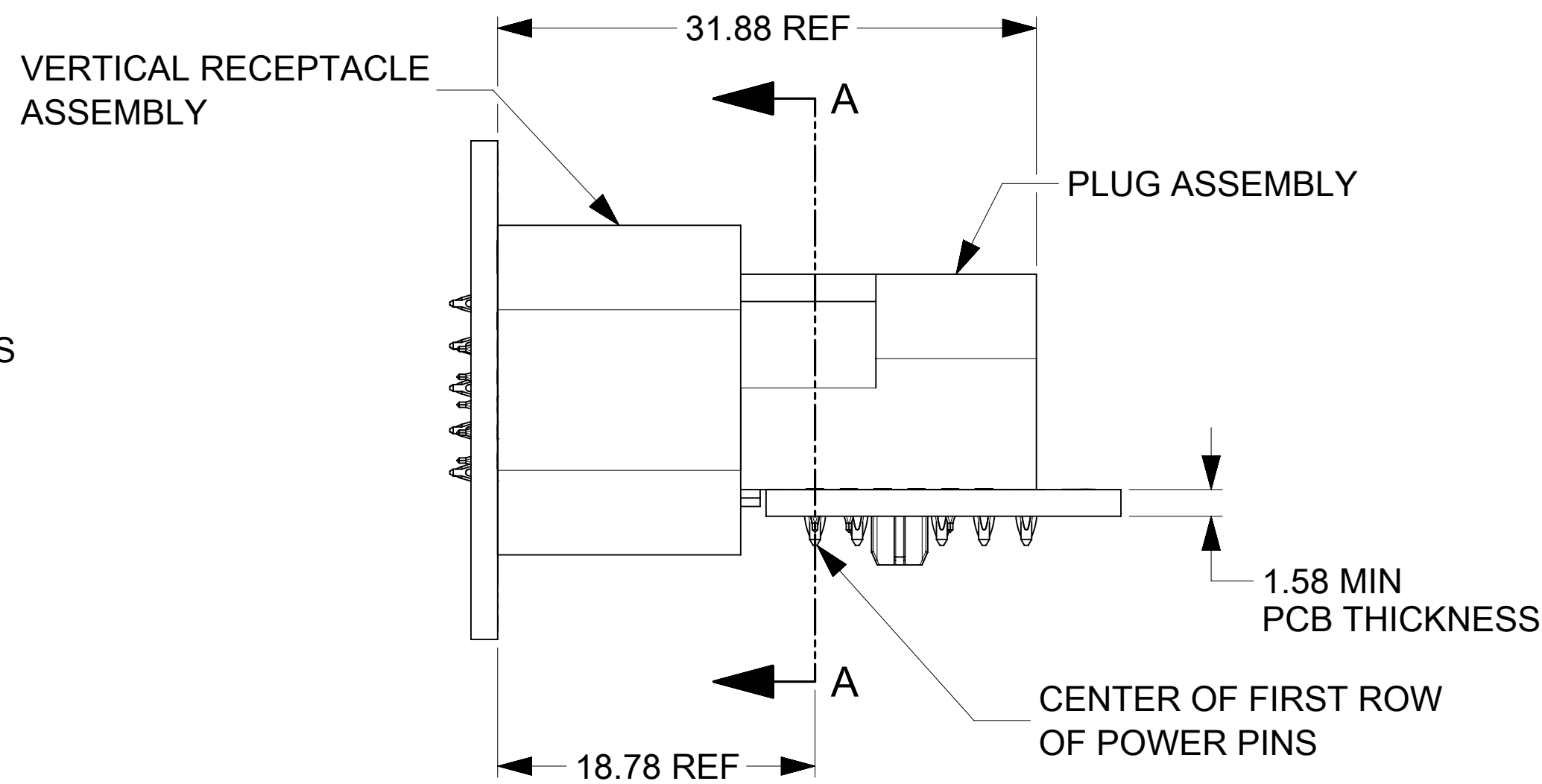
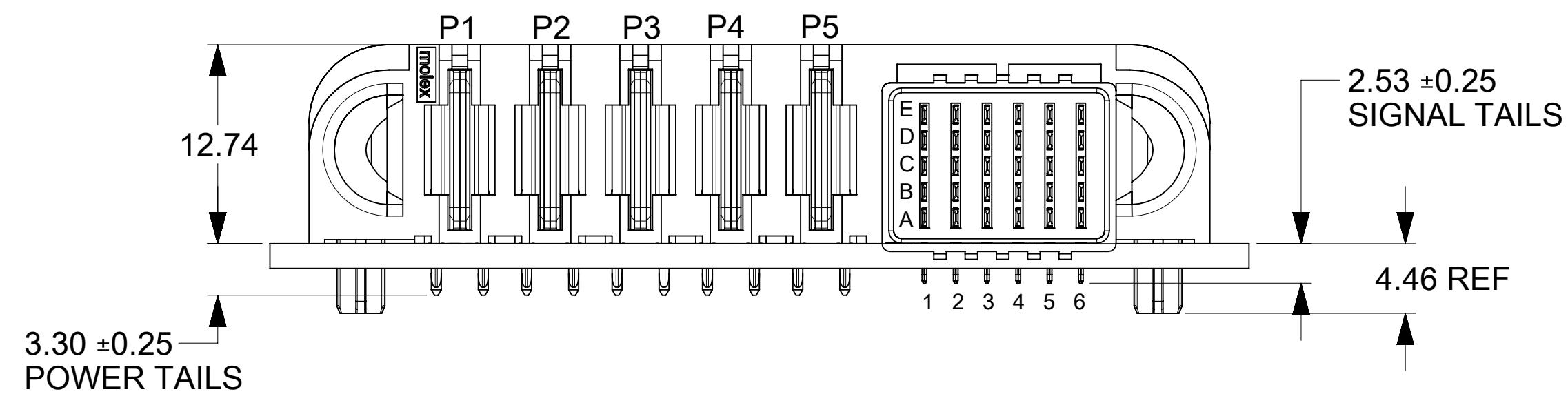
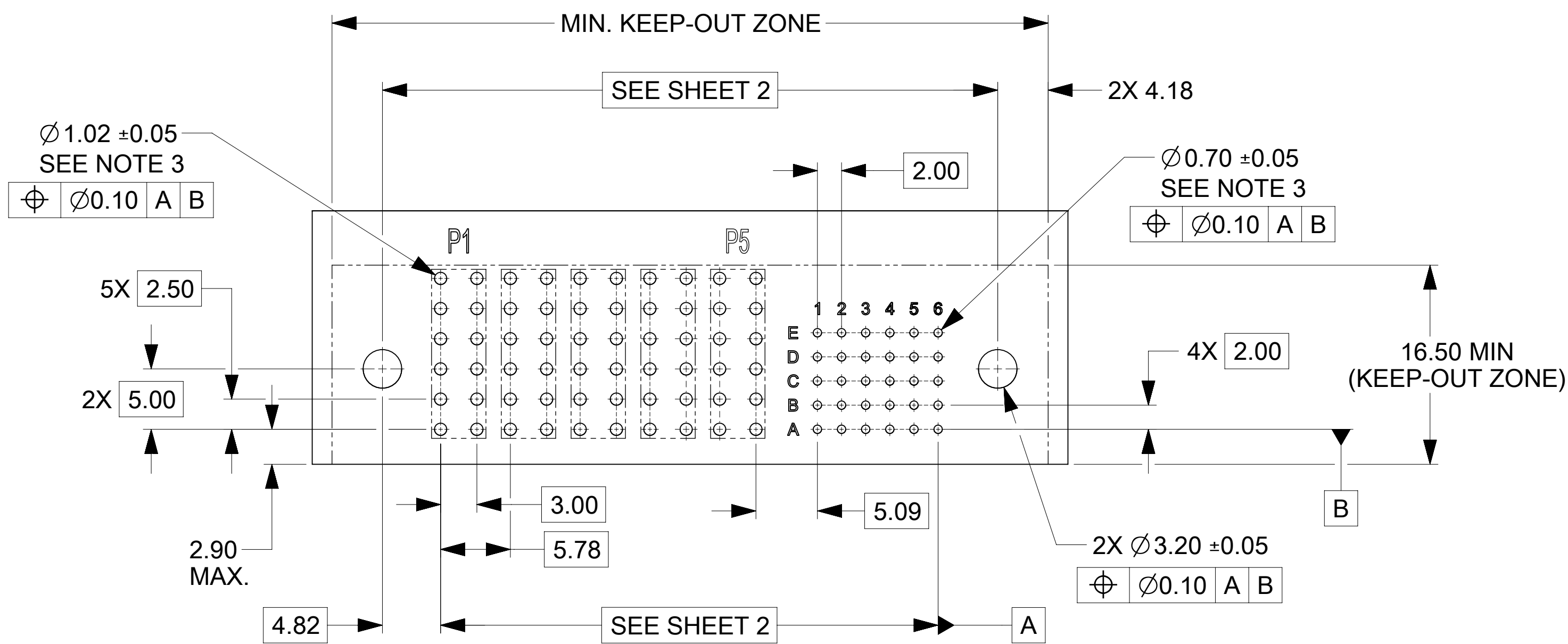


**PLUG MATED TO R/A RECEPTACLE  
MATED PROFILE**



**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).

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:							
mm	3:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 745288		2023/03/09		2023/04/10		2023/04/10	
ANGULAR TOL	± °	DRWN: LZABJANOVSKI		CHK'D: JAYK1		APPR: JAYK1		INITIAL REVISION:	
4 PLACES	±	2022/03/14		2022/08/04		DRWN: LZABJANOVSKI		2022/03/14	
3 PLACES	±	2022/08/04		APPR: BPISZCZOR		DRWN: BPISZCZOR		2022/08/04	
2 PLACES	± 0.25	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES	
1 PLACE	± 0.3	D-DRAWING		D-SIZE		219562		MATERIAL NUMBER	
0 PLACES	±	SEE CHART		CUSTOMER		SHEET NUMBER		1 OF 2	

**molex**

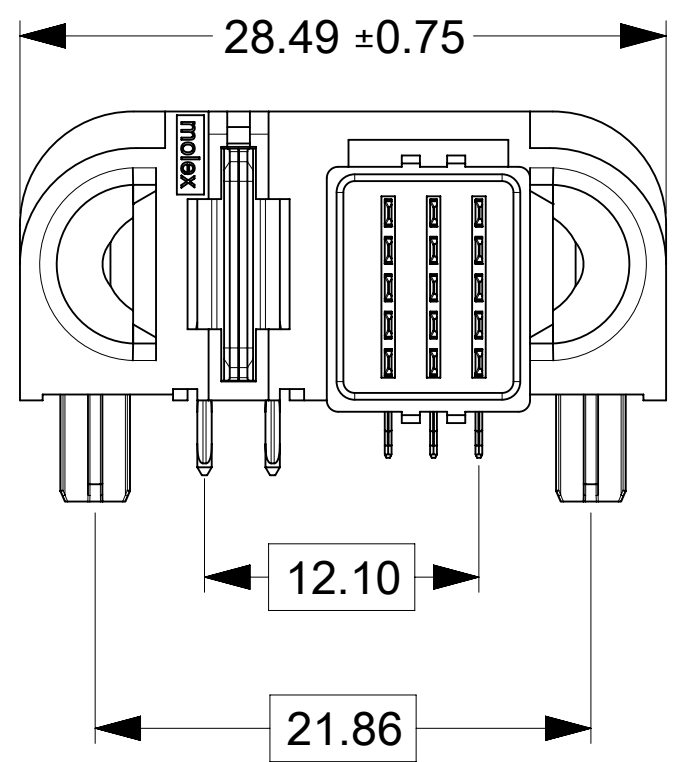
GUARDIAN HD RA PLUG RIGHT SIGNAL WITH POWER PF

PRODUCT CUSTOMER DRAWING

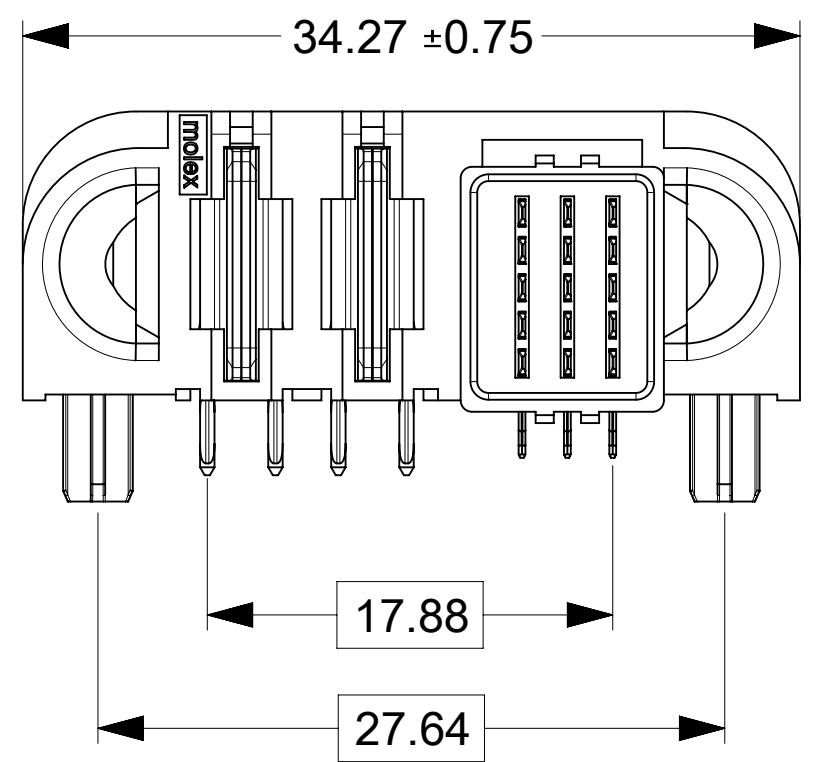
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2195629001-SD	PSD	000	A1

**RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE**

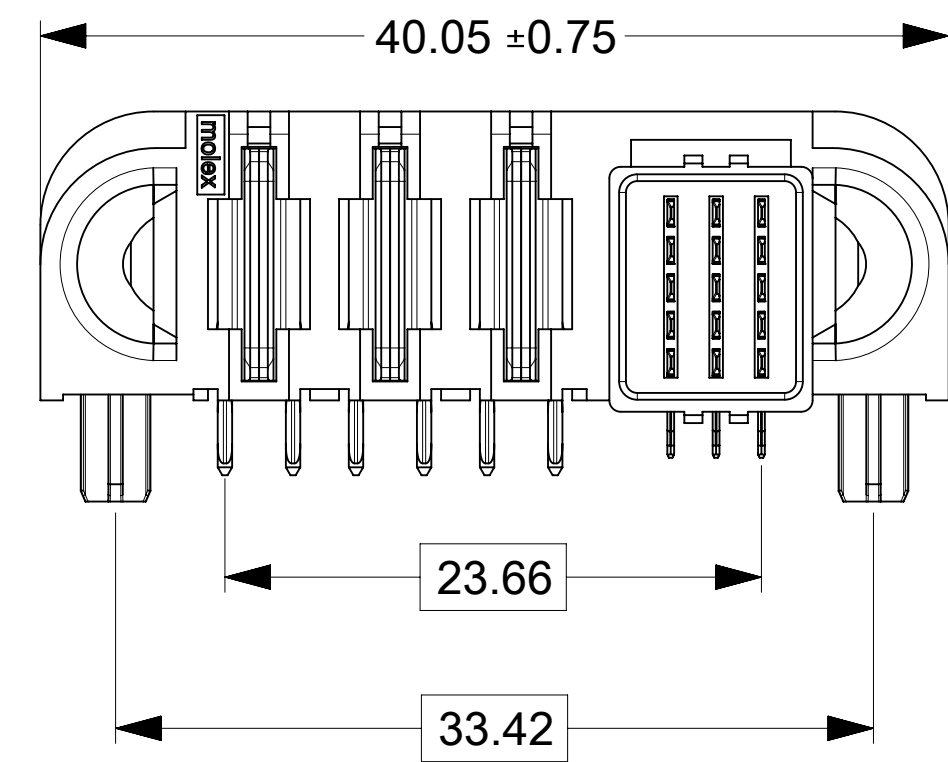
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219562-0011	G+1P+15S+G	135



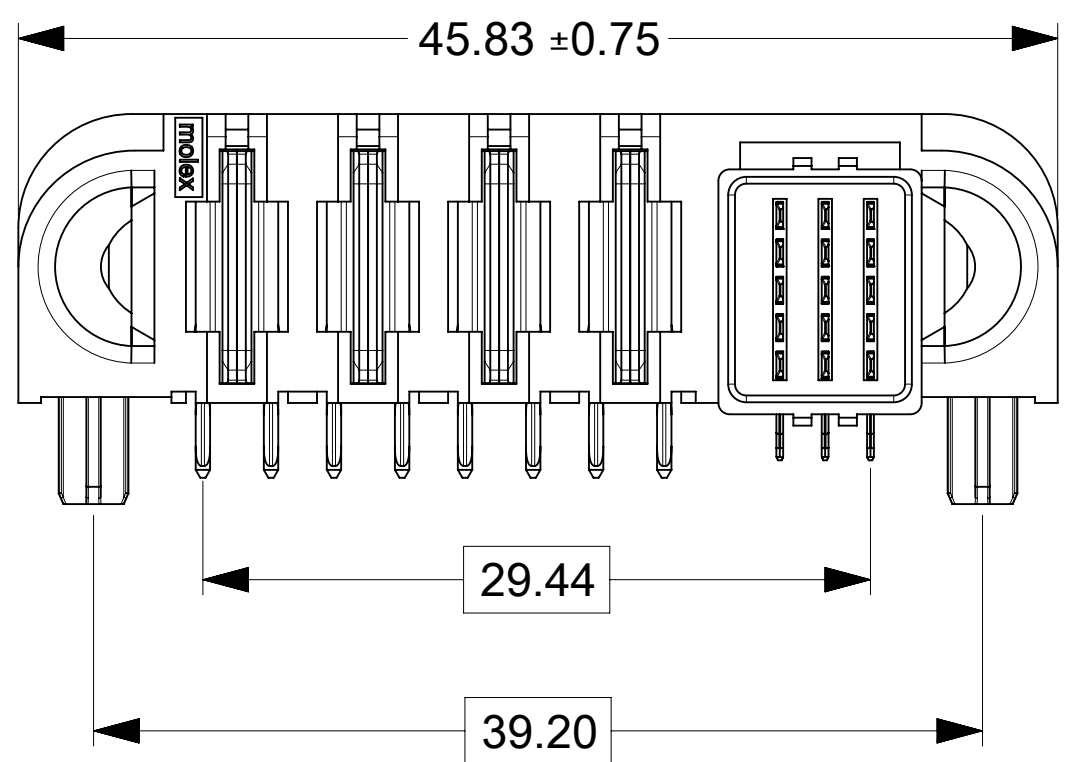
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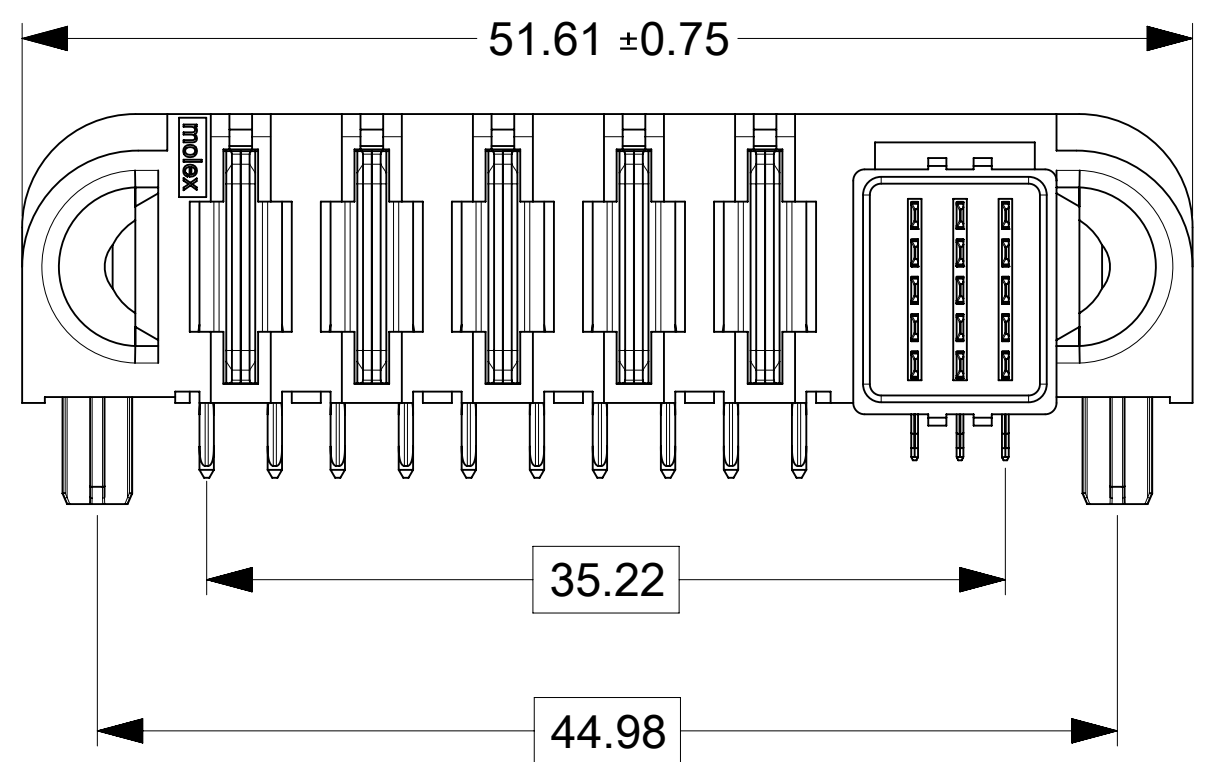
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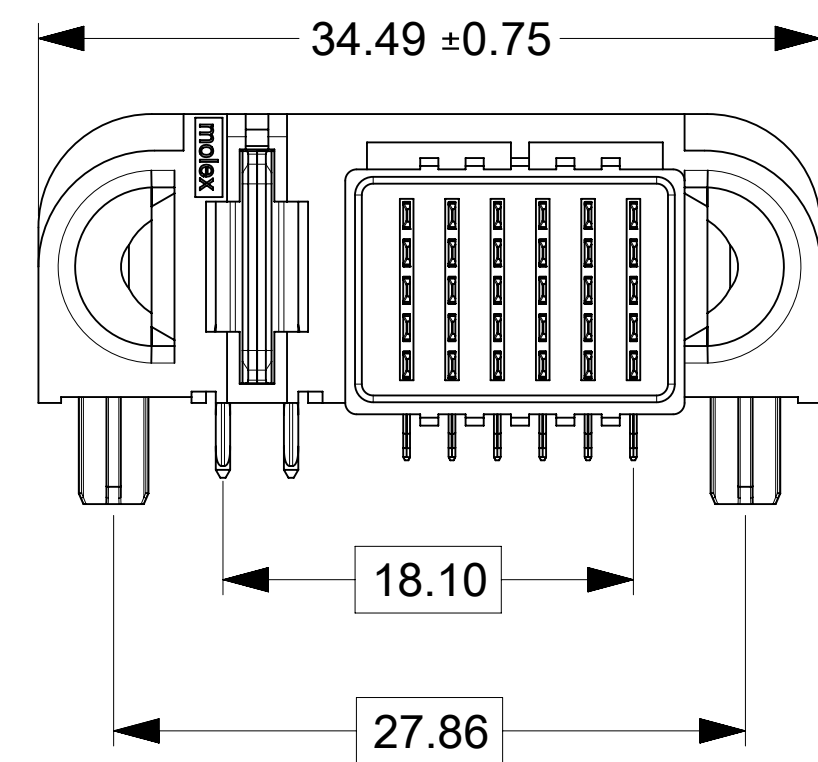
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219562-0014	G+4P+15S+G	75



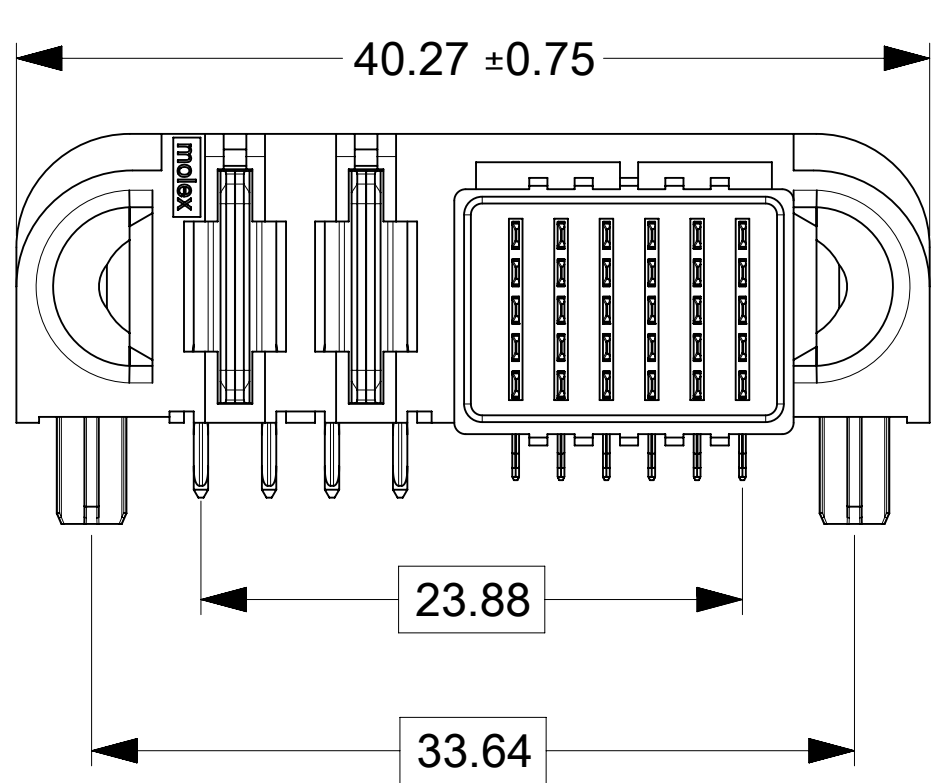
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219562-0015	G+5P+15S+G	75



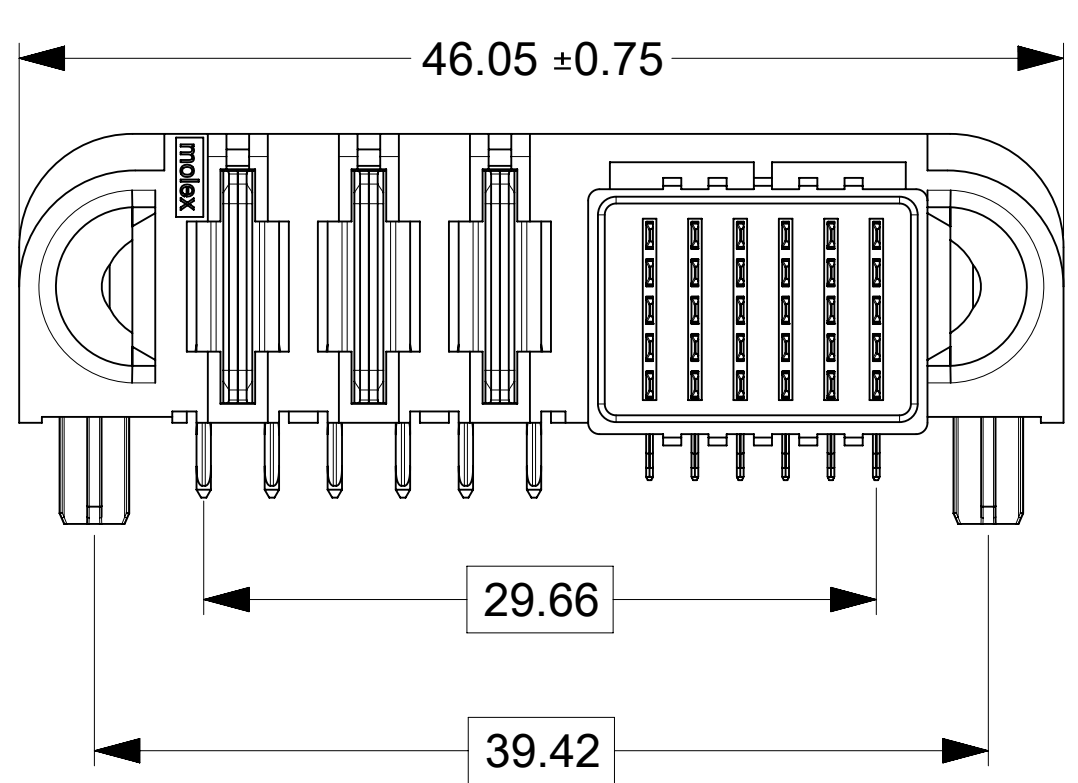
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219562-0016	G+1P+30S+G	105



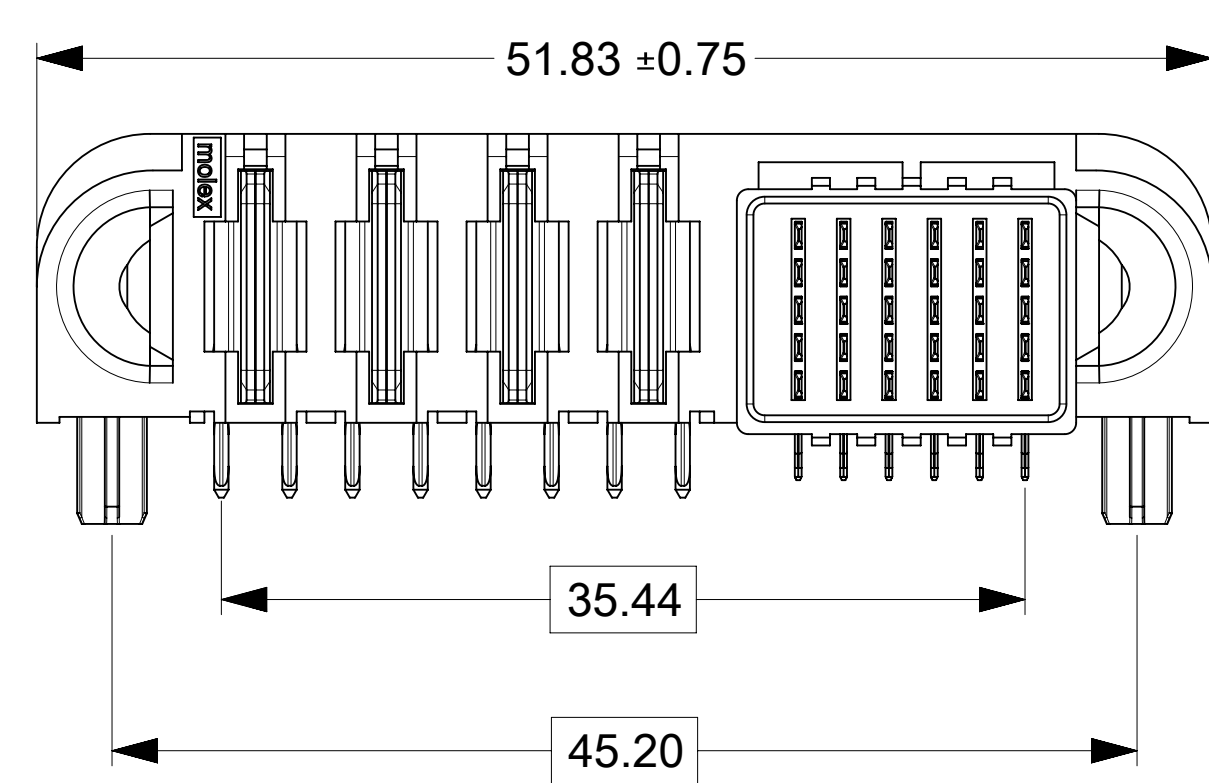
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219562-0017	G+2P+30S+G	90



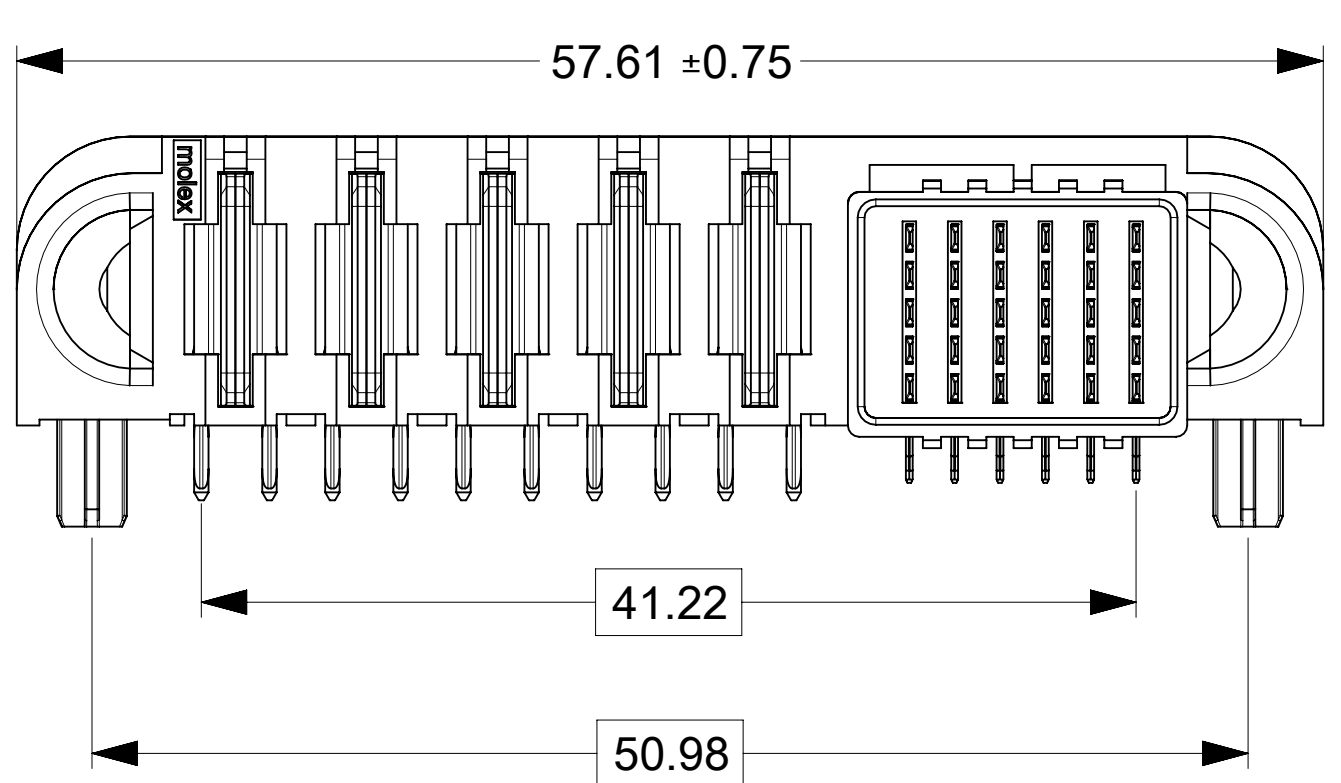
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0018	G+3P+30S+G	75



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0019	G+4P+30S+G	75



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0020	G+5P+30S+G	60



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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		2022/03/14	
APPR: BPISZCZOR		2022/08/04	

DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
2195629001-SD		PSD	000	A1
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
SEE CHART				2 OF 2

**molex**

GUARDIAN HD RA PLUG RIGHT SIGNAL WITH POWER PF

PRODUCT CUSTOMER DRAWING

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