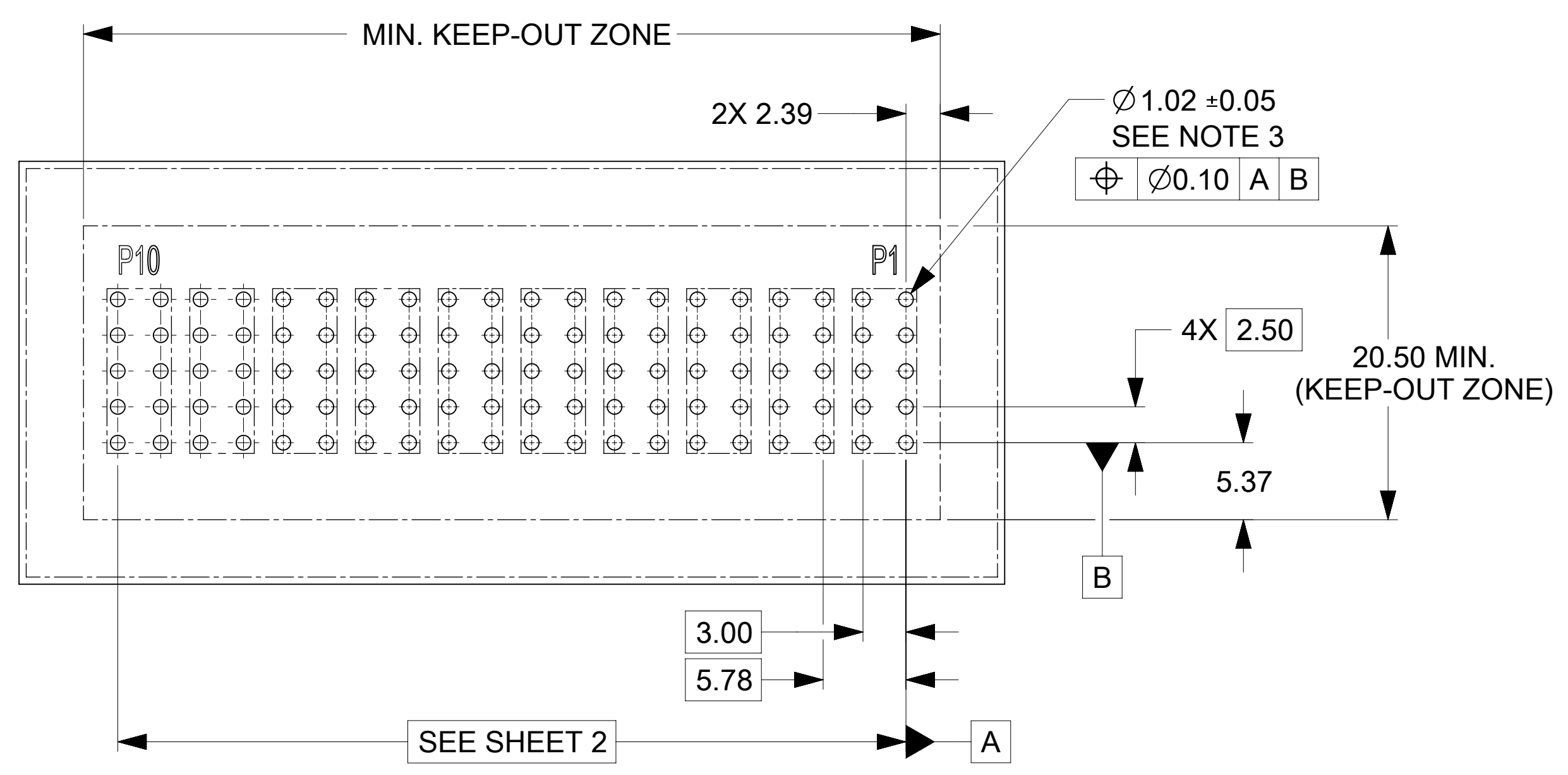


### PLUG MATED TO VERTICAL RECEPTACLE MATED PROFILE

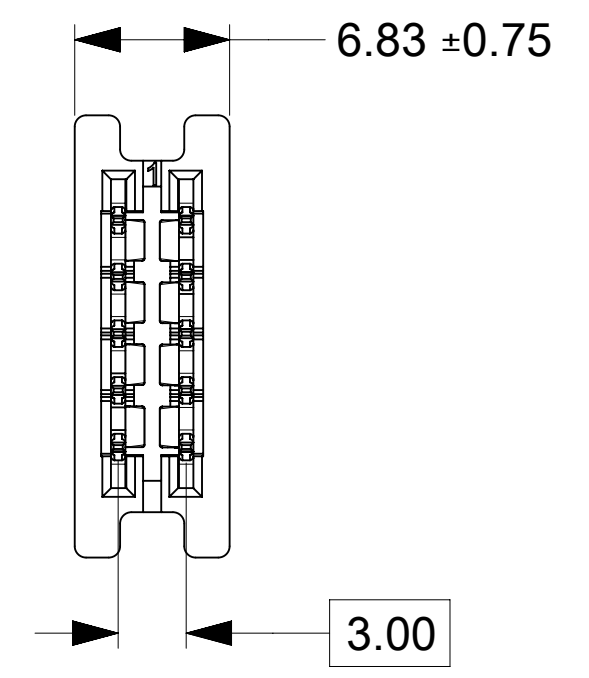


- NOTES:
- MATERIAL:
    - HOUSINGS: LCP UL94, V-0, COLOR : BLACK
    - TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
    - PLATING: 1.27 µm (50 µin) NICKEL OVERALL WITH  
2.54 µm (100 µin) SELECTIVE TIN ON TAILS AND  
0.762 µm (30 µin) SELECTIVE GOLD ON CONTACT AREA
  - PACKAGING: ASSEMBLIES TO BE TRAY PACKED PER PACKAGING SPEC: 2141140001-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).

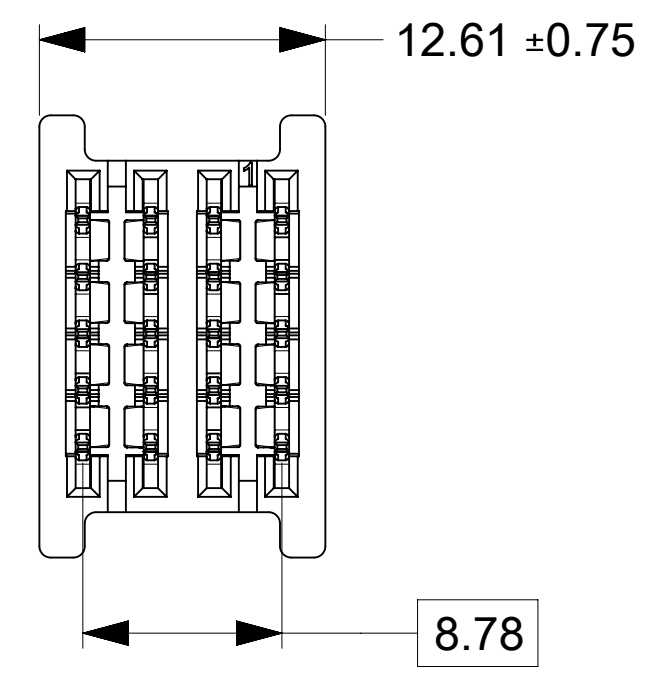
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC:					
mm		3:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		± °							
4 PLACES		±		EC NO: 745288					
3 PLACES		±		DRWN: LZABJANOVSKI		2023/03/23			
2 PLACES		± 0.25		CHK'D: JAYK1		2023/04/10			
1 PLACE		± 0.3		APPR: JAYK1		2023/04/10			
0 PLACES		±		INITIAL REVISION:					
DRAFT WHERE APPLICABLE		THIRD ANGLE PROJECTION		DRWN: LZABJANOVSKI		2022/03/30			
MUST REMAIN WITHIN DIMENSIONS		DRAWING		APPR: BPISZCZOR		2022/08/04			
		D-SIZE		SERIES		MATERIAL NUMBER		CUSTOMER	
		219563		SEE CHART					
DOCUMENT STATUS				P1		RELEASE DATE		2023/04/11 17:05:26	
DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
2195639003-SD				PSD		000		A2	
SHEET NUMBER				1 OF 2					

### RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE

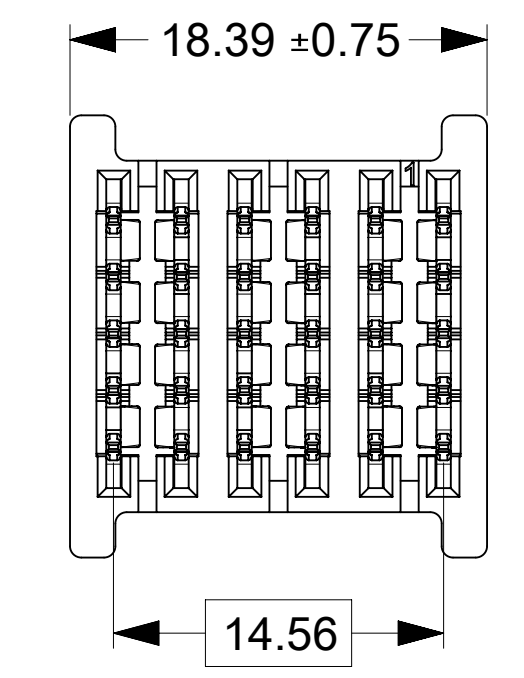
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0031	1P	820



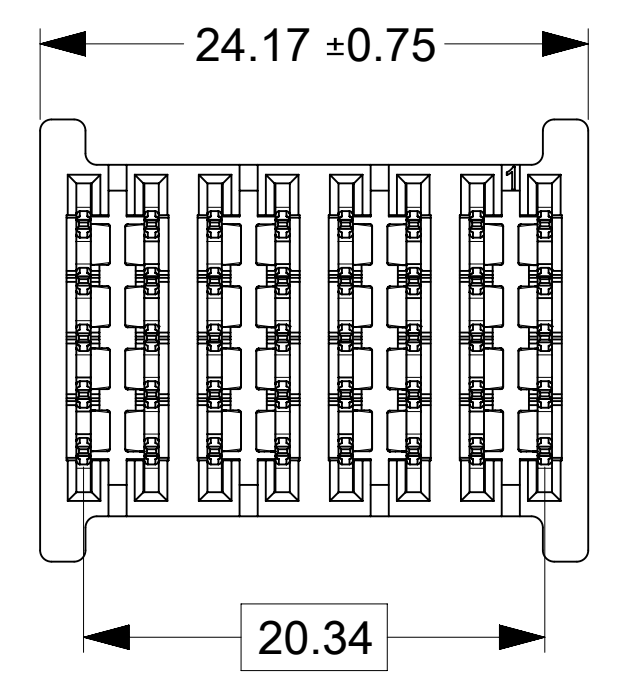
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0032	2P	440



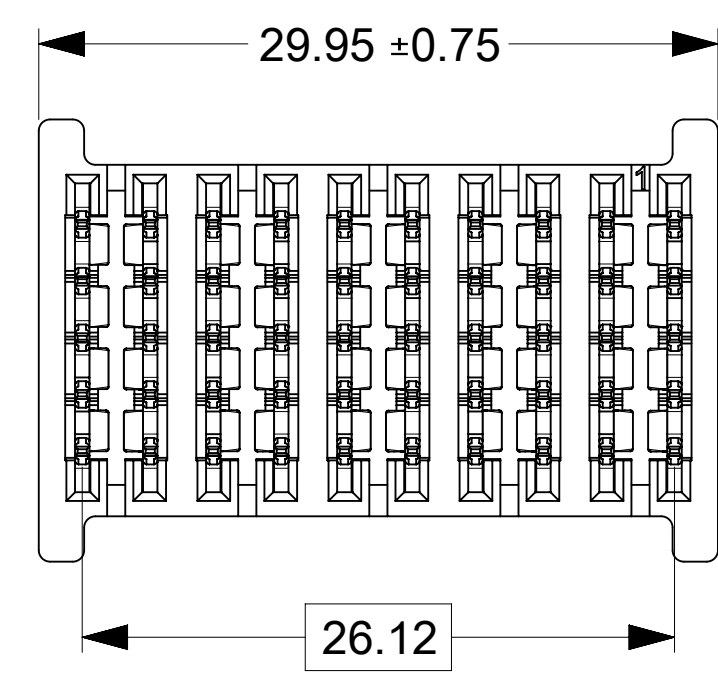
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0033	3P	300



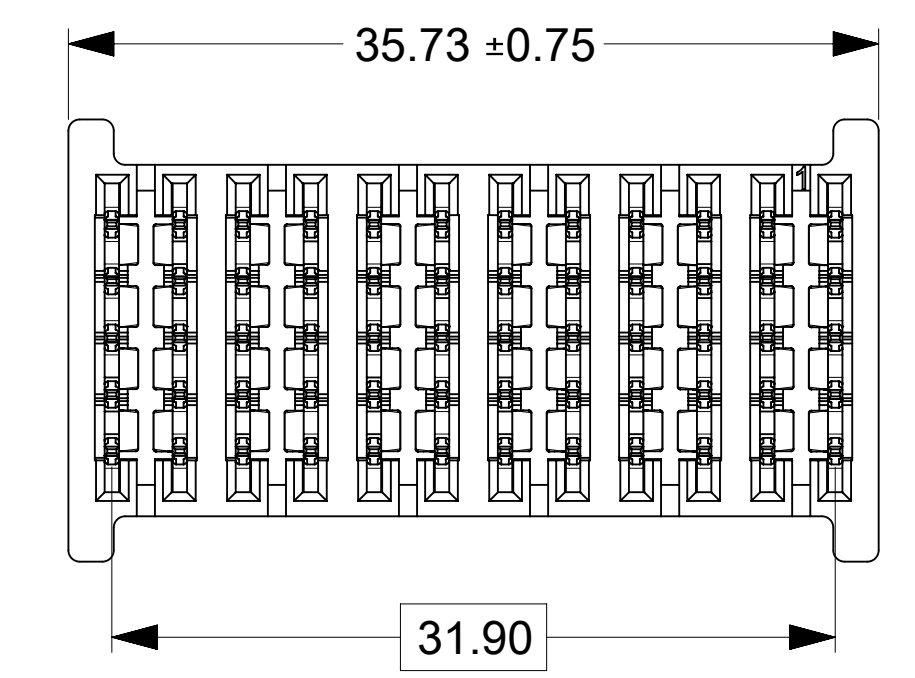
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0034	4P	220



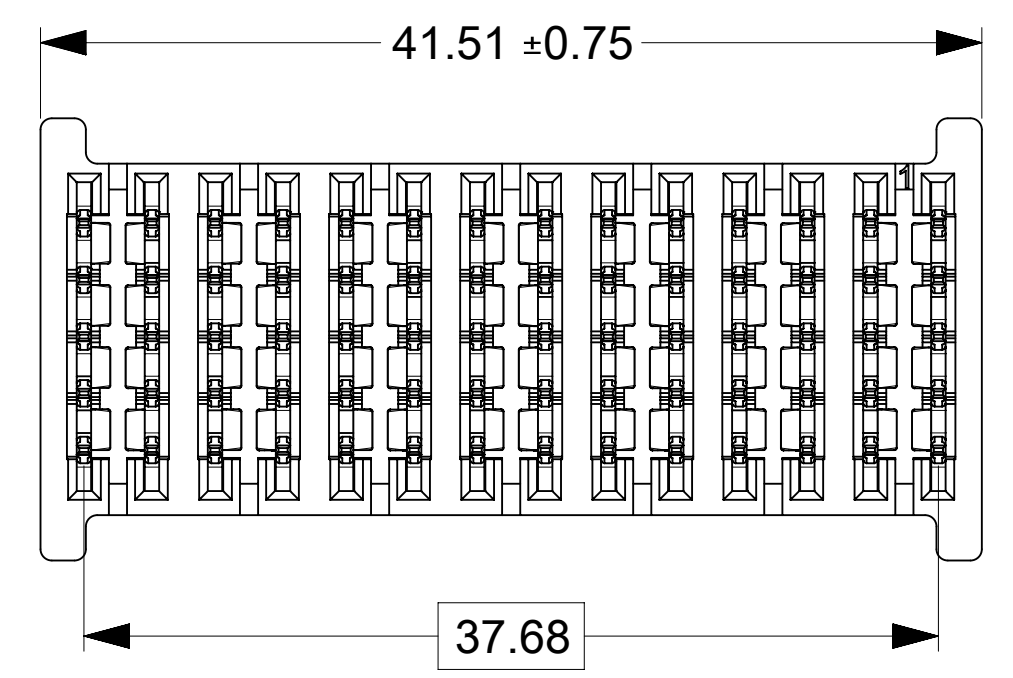
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0035	5P	180



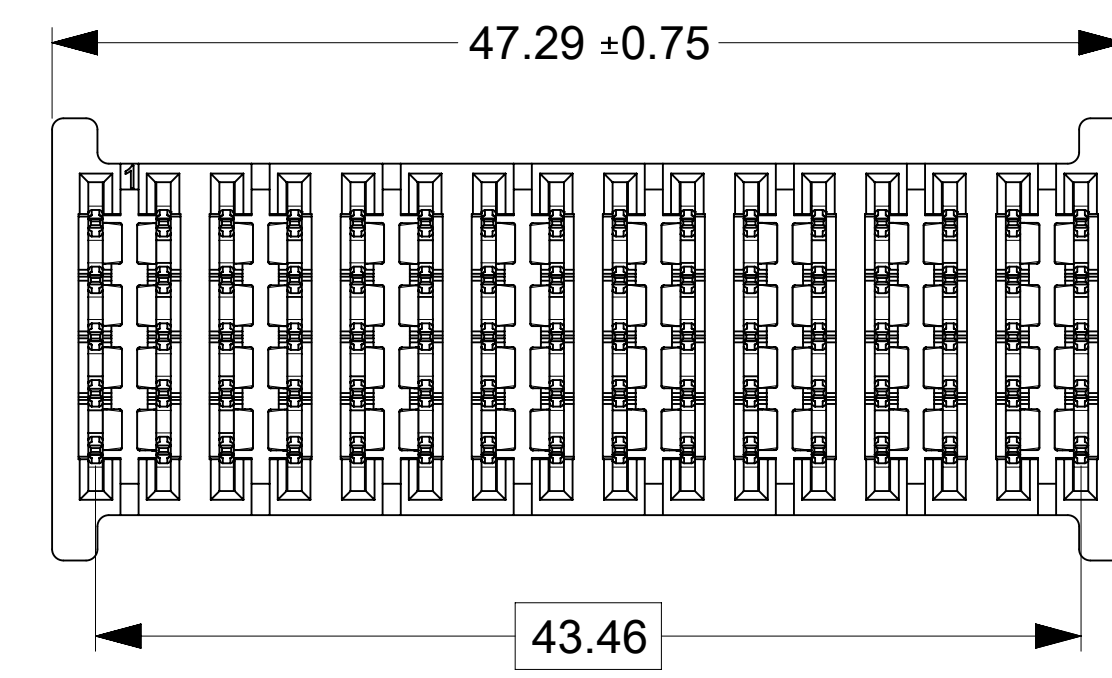
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0036	6P	140



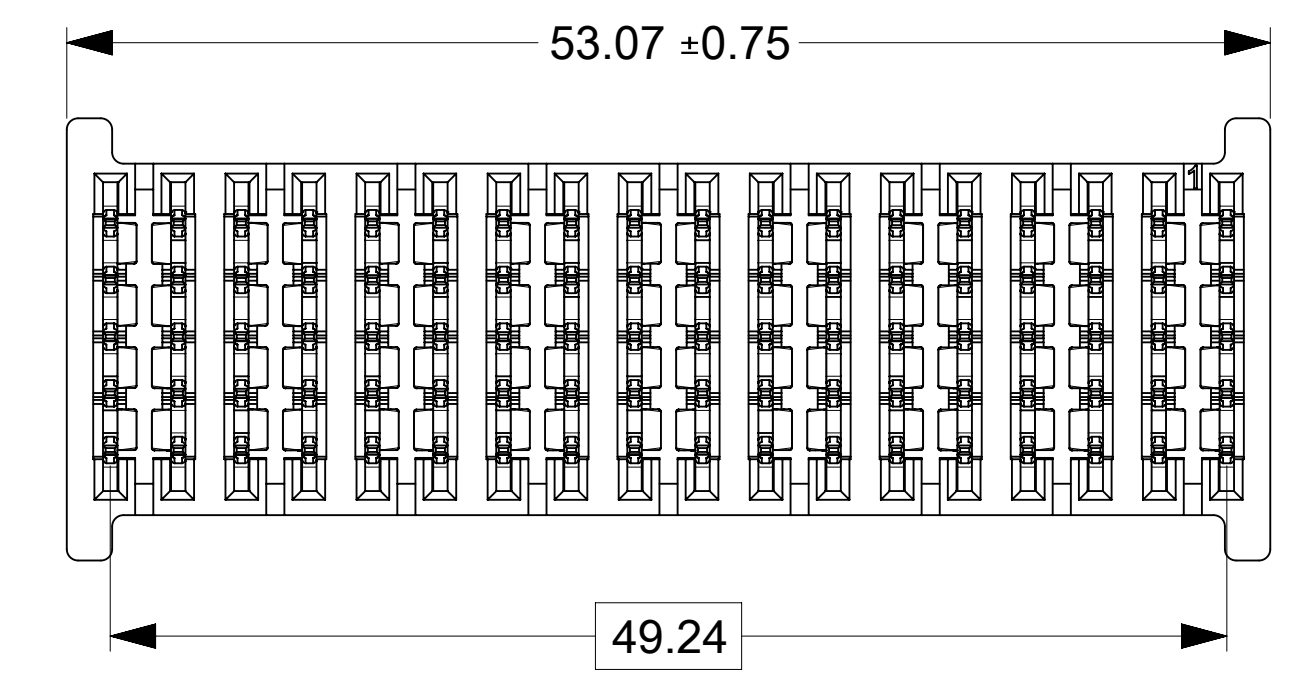
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0037	7P	120



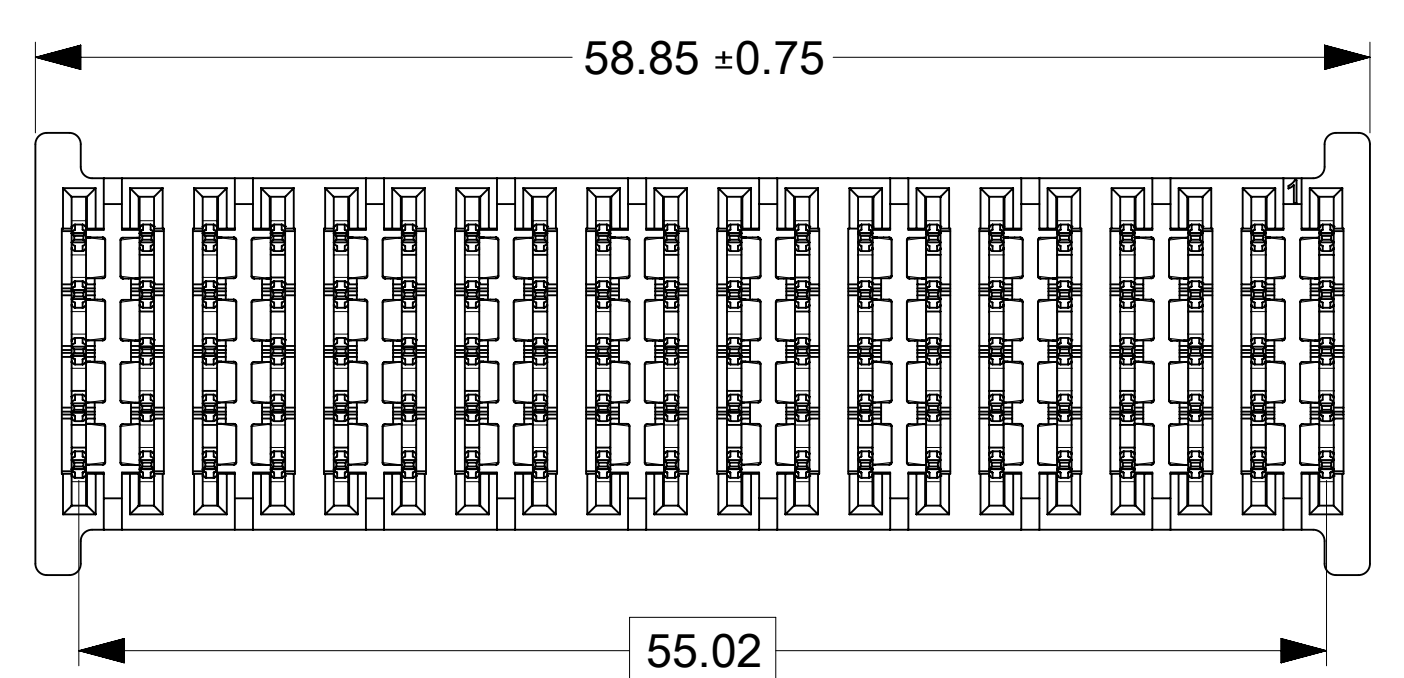
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0038	8P	100



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0039	9P	100



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0040	10P	80



**\* VIEWS SHOWN ON THIS SHEET ARE FROM THE BOTTOM OF THE CONNECTOR**

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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
			<b>D-SIZE</b> 219563
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
2195639003-SD		SEE CHART	2 OF 2
DOCUMENT NUMBER		DOC TYPE	DOC PART
2195639003-SD		PSD	000
REVISION		A2	
EC NO: 745288		2023/03/23	
DRWN: LZABJANOVSKI		2023/04/10	
CHK'D: JAYK1		2023/04/10	
APPR: JAYK1		2023/04/10	
INITIAL REVISION:		2022/03/30	
DRWN: LZABJANOVSKI		2022/08/04	
APPR: BPISZCZOR			

**molex**

GUARDIAN HD VREC POWER ONLY  
UNGUIDED PF

PRODUCT CUSTOMER DRAWING