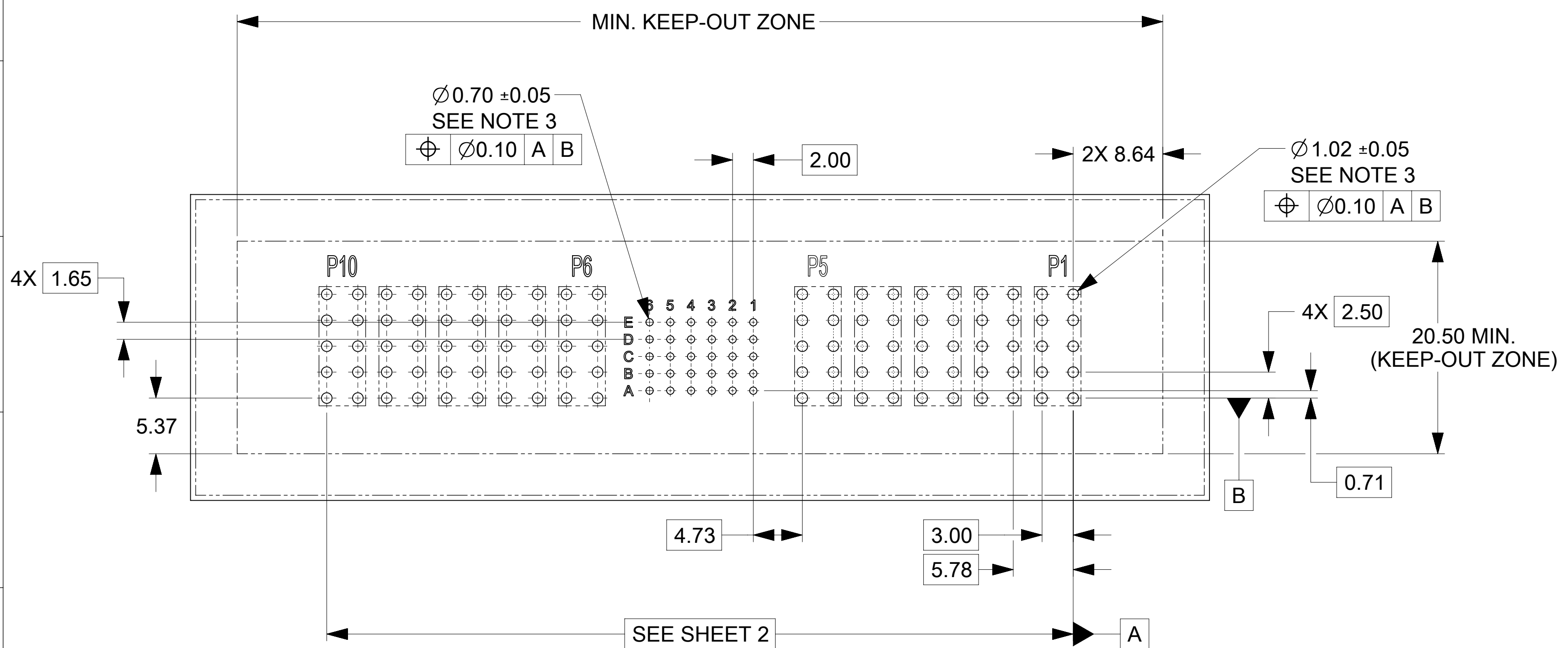


**PLUG MATED TO VERTICAL RECEPTACLE  
MATED PROFILE**

- NOTES:
- MATERIAL:
    - HOUSINGS: LCP UL94, V-0, COLOR : BLACK
    - TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
    - PLATING: 1.27  $\mu\text{m}$  (50  $\mu\text{in}$ ) NICKEL OVERALL WITH 2.54  $\mu\text{m}$  (100  $\mu\text{in}$ ) SELECTIVE TIN ON TAILS AND 0.762  $\mu\text{m}$  (30  $\mu\text{in}$ ) 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).

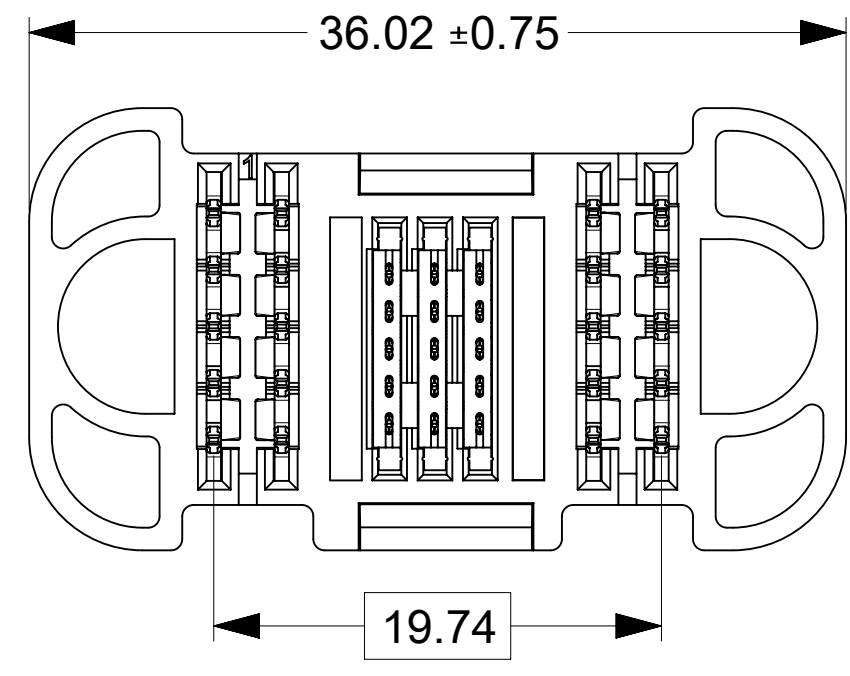


**RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE**

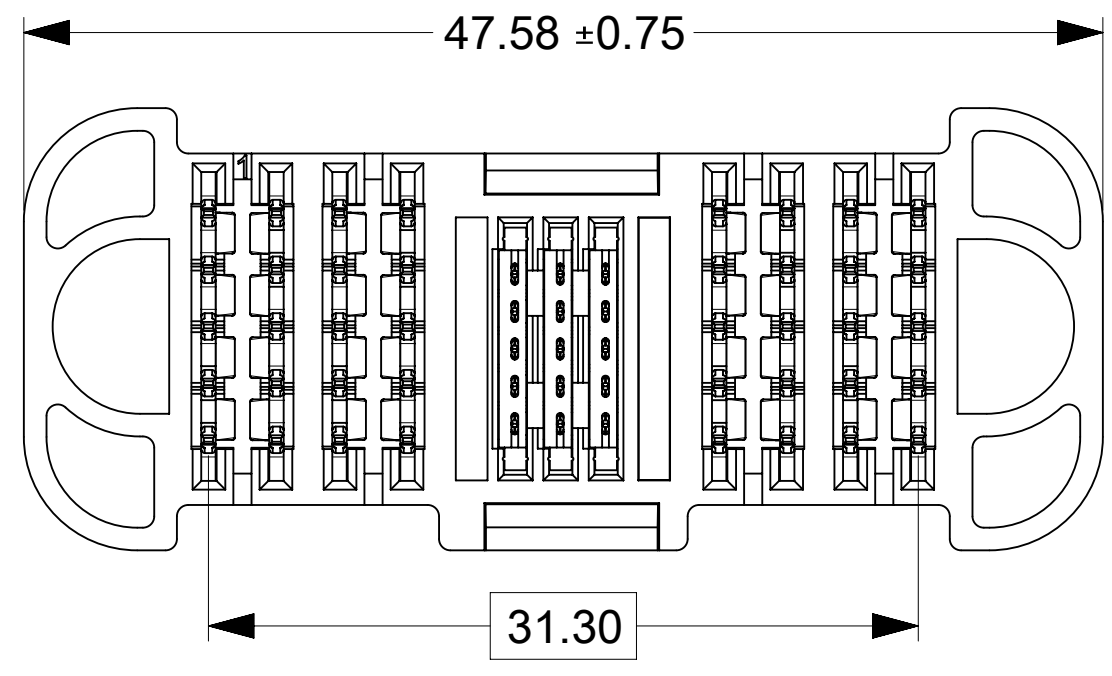
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC:											
mm		3:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL    ±    °															
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:											
				DRWN: LZABJANOVSKI		2022/03/31									
				APPR: BPISZCZOR		2022/08/04									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		219563		SEE CHART				1 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2023/04/11	17:05:26
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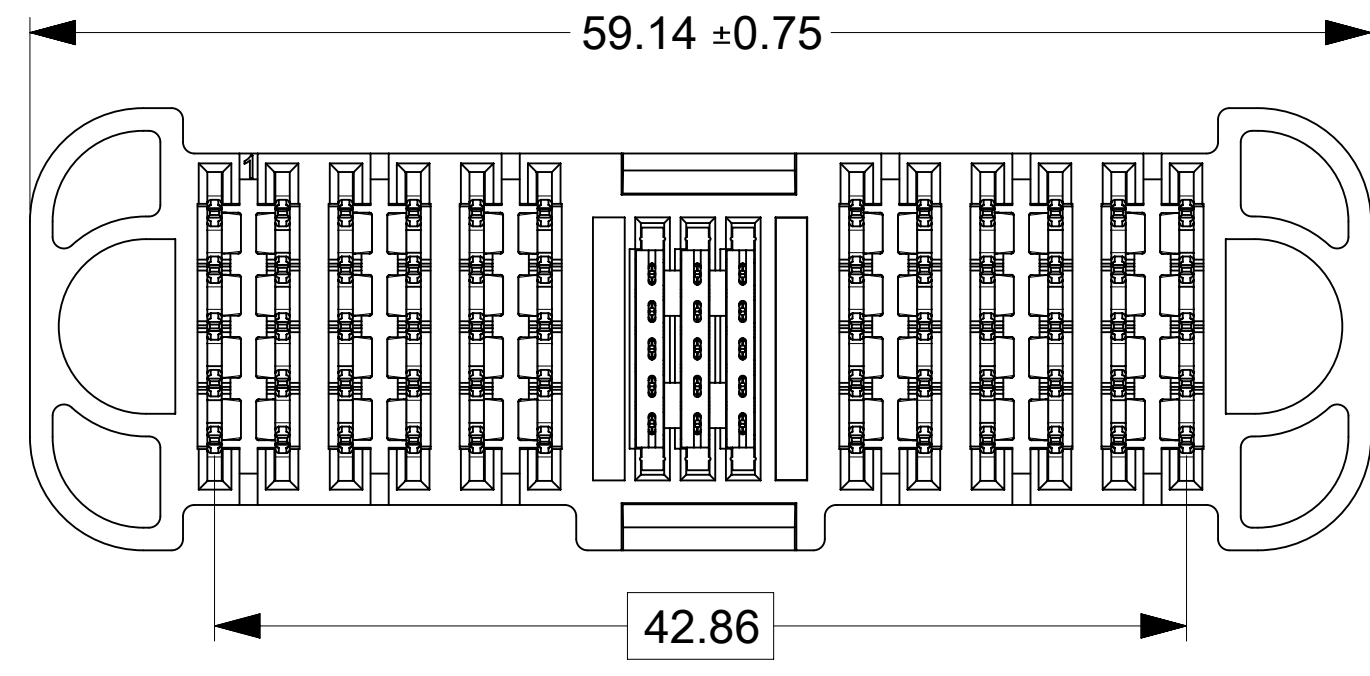
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0021	G+1P+15S+1P+G	140



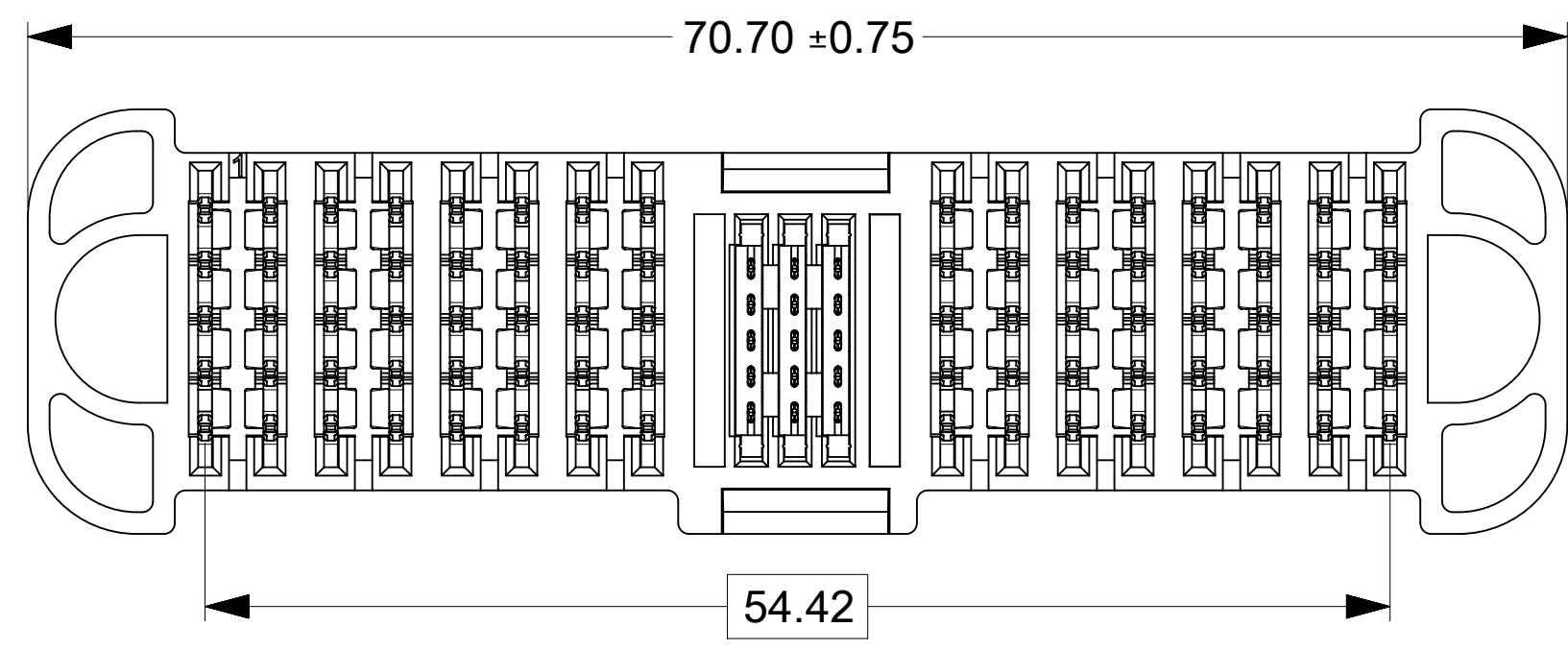
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0022	G+2P+15S+2P+G	100



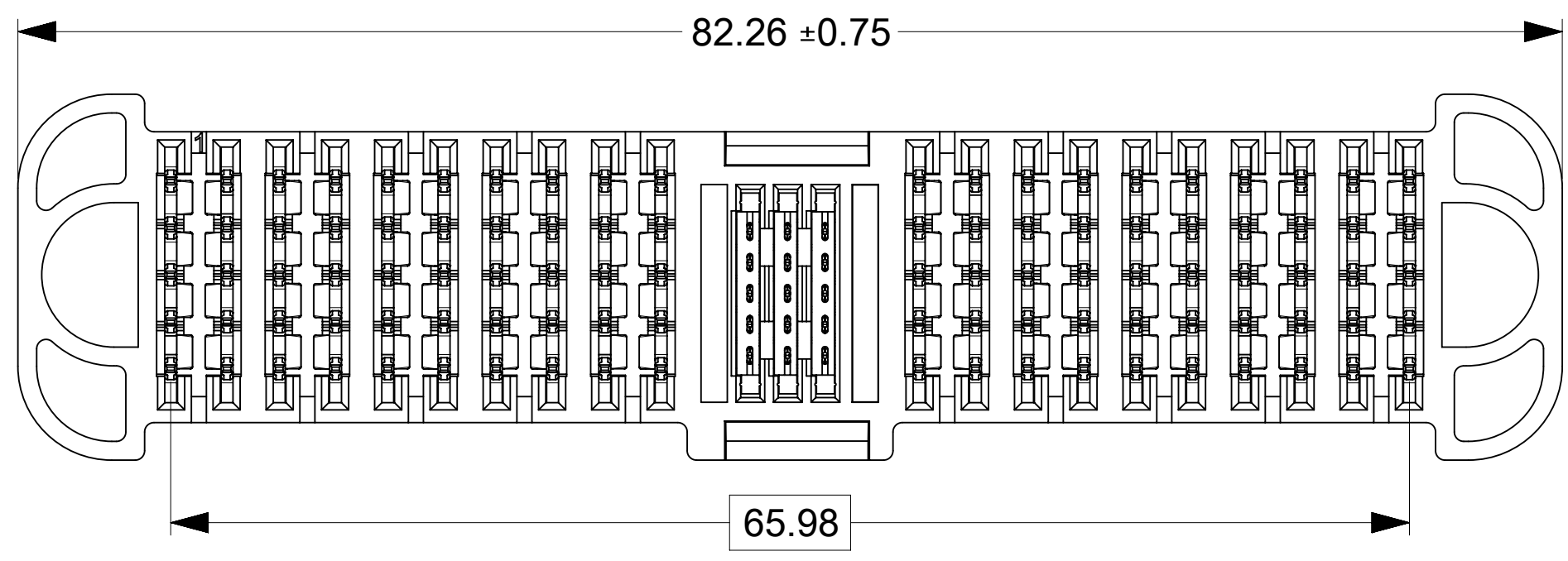
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0023	G+3P+15S+3P+G	80



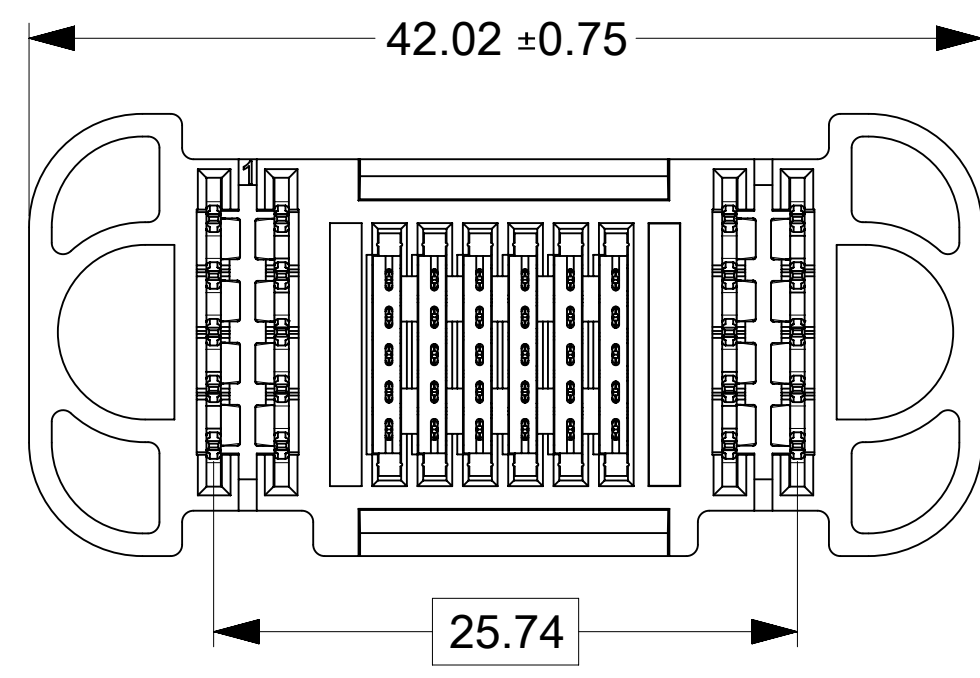
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0024	G+4P+15S+4P+G	60



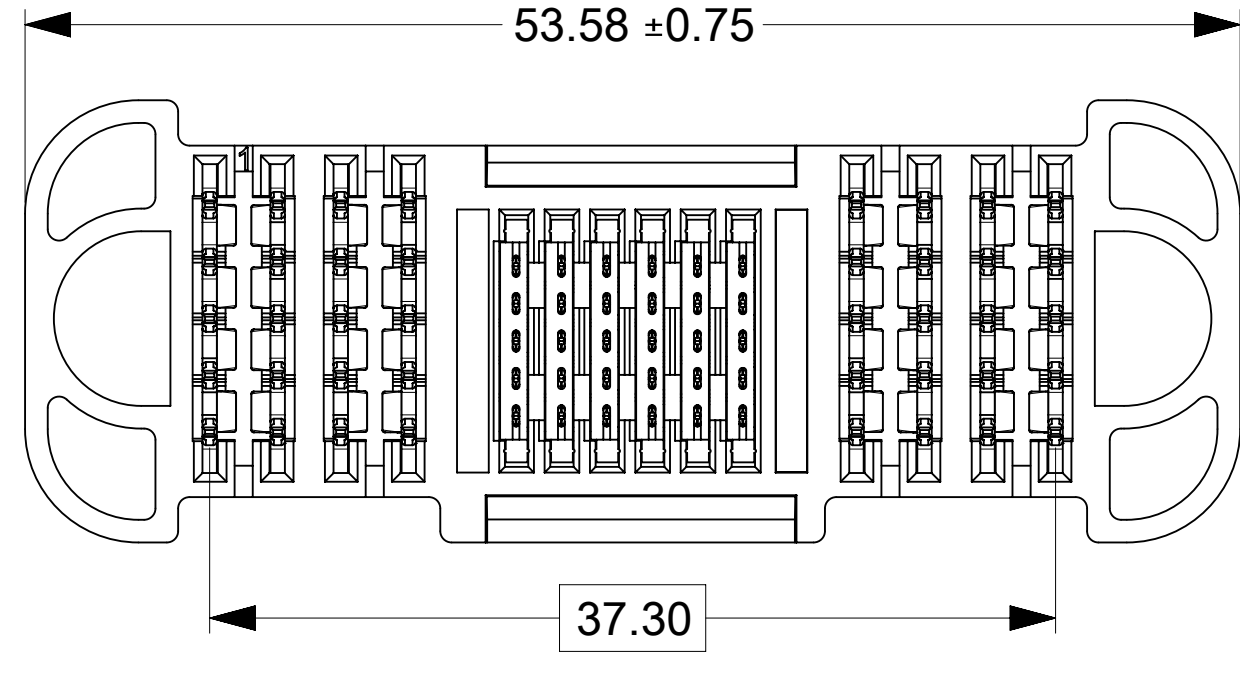
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0025	G+5P+15S+5P+G	60



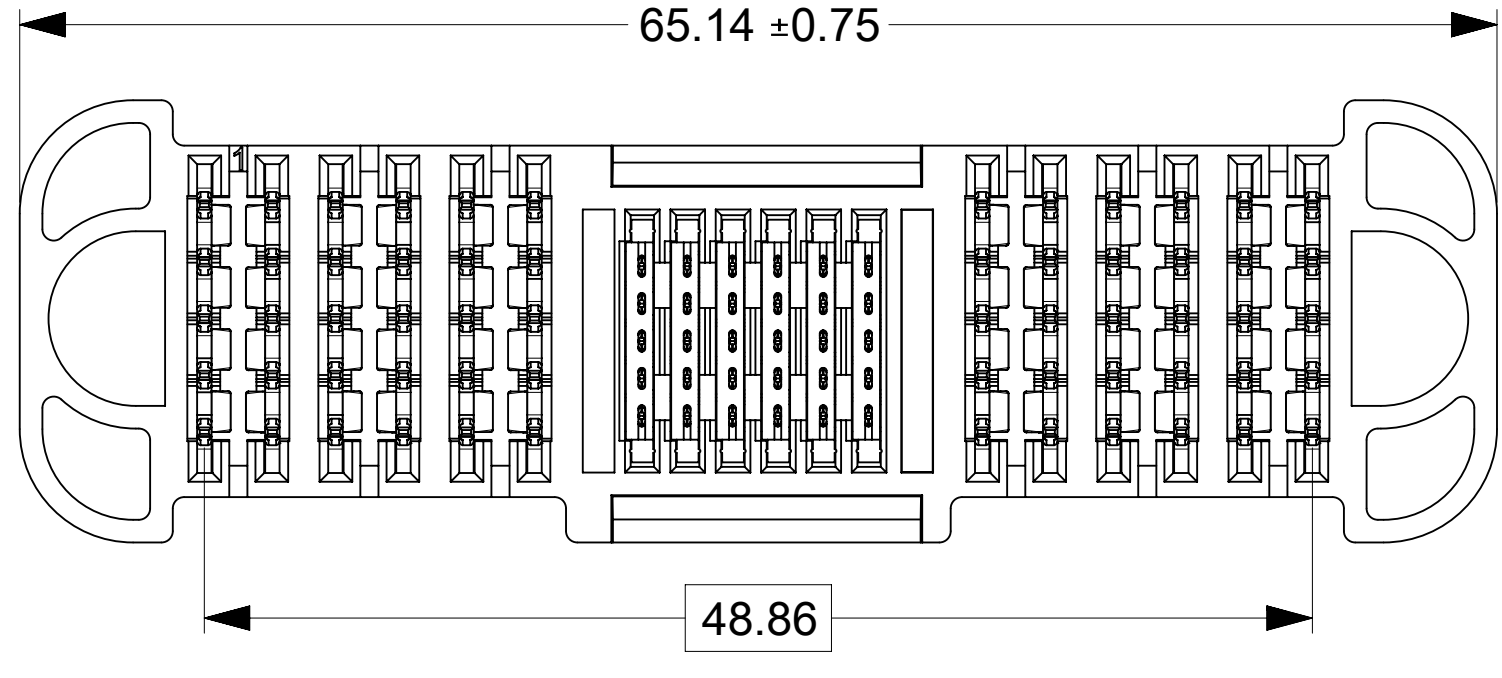
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
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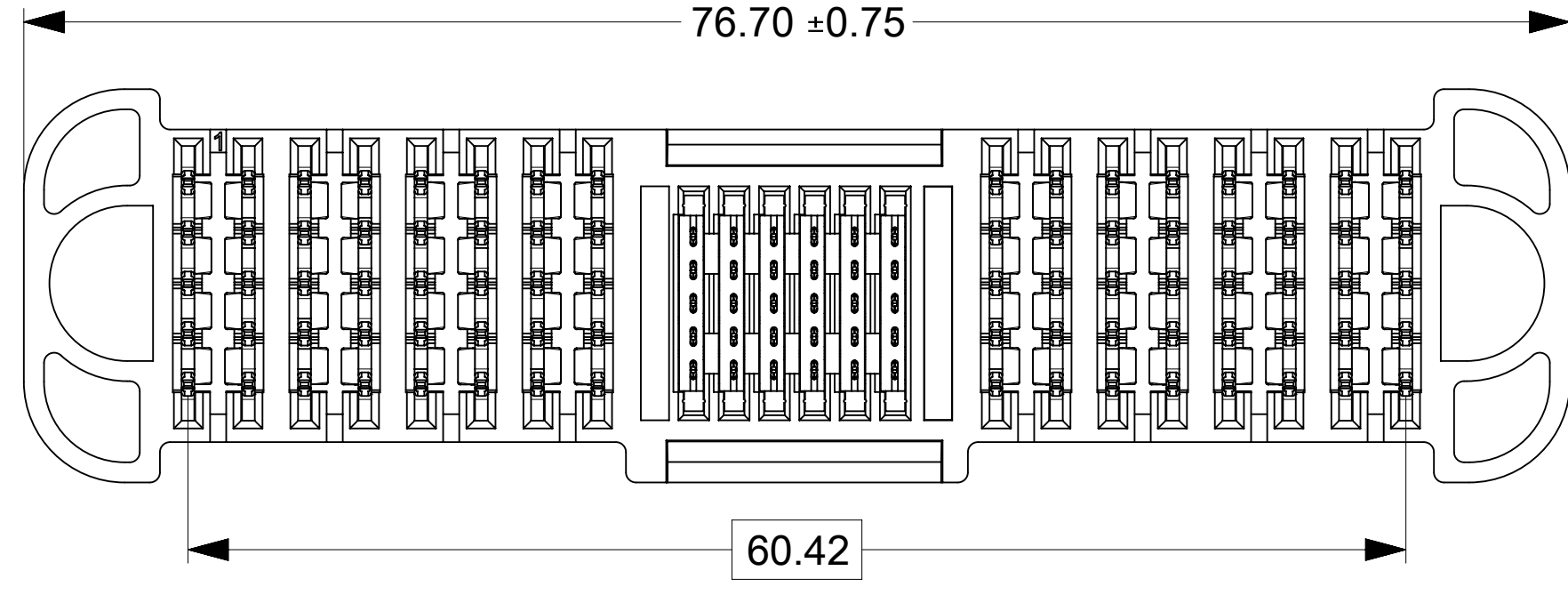
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0027	G+2P+30S+2P+G	100



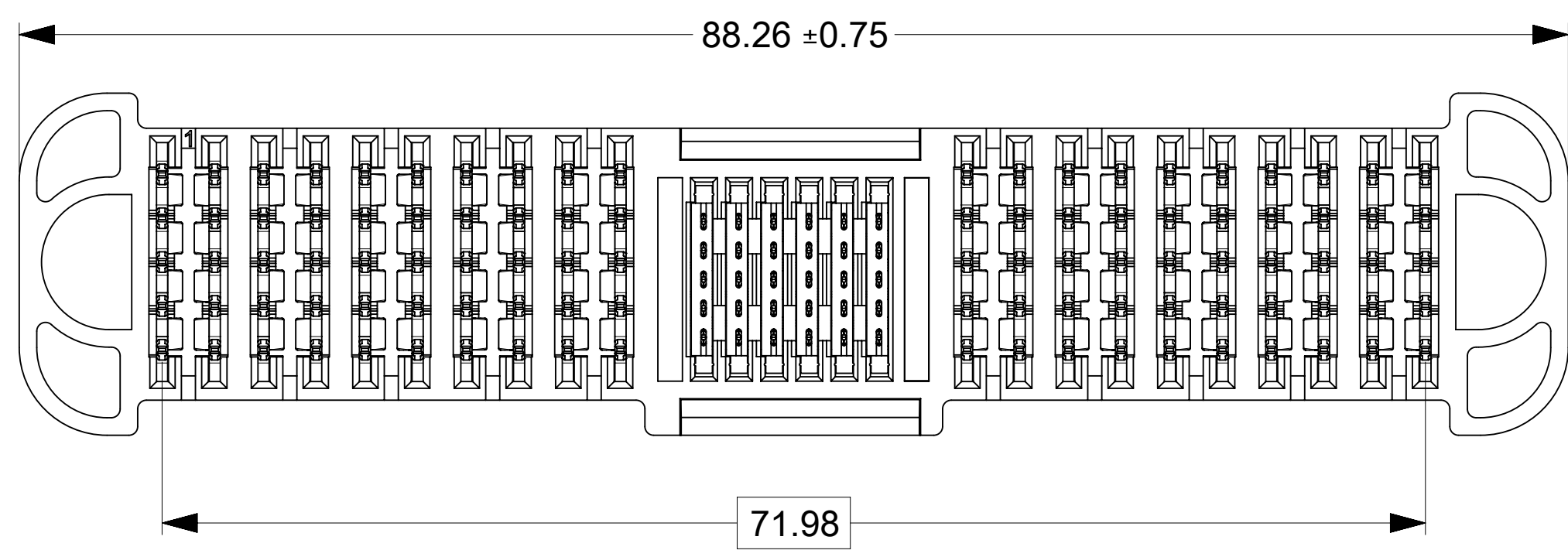
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0028	G+3P+30S+3P+G	80



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0029	G+4P+30S+4P+G	60



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0030	G+5P+30S+5P+G	60



**\* 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		±		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:							
				DRWN: LZABJANOVSKI				2022/03/31			
				APPR: BPISZCZOR				2022/08/04			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				D-SIZE		219563		SEE CHART		CUSTOMER	
										SHEET NUMBER	
										2 OF 2	

**molex**

GUARDIAN HD VREC DUAL POWER SIGNAL CENTER PF

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2195639002-SD	PSD	000	A2

DOCUMENT STATUS	P1	RELEASE DATE	2023/04/11	17:05:26
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