

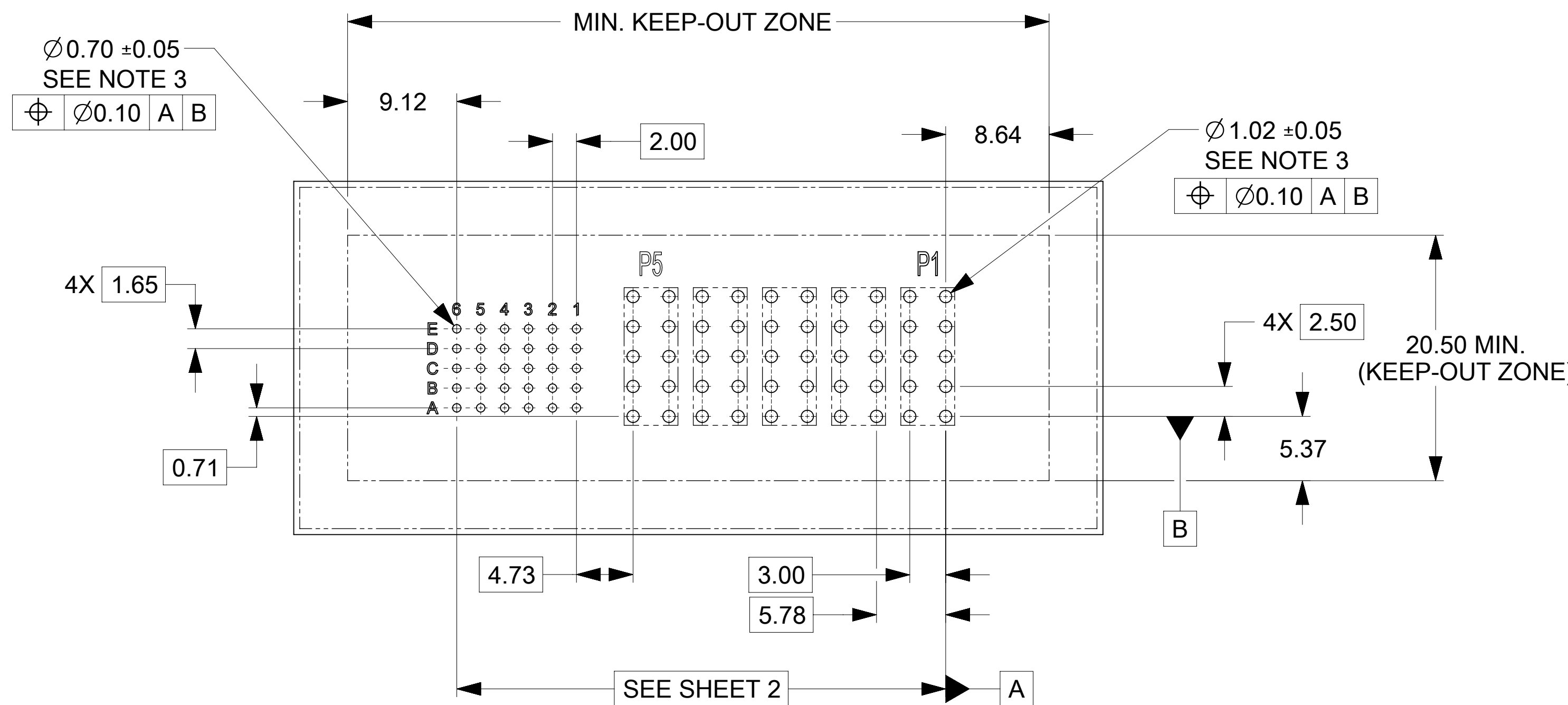
PLUG MATED TO VERTICAL RECEPTACLE MATED PROFILE

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).

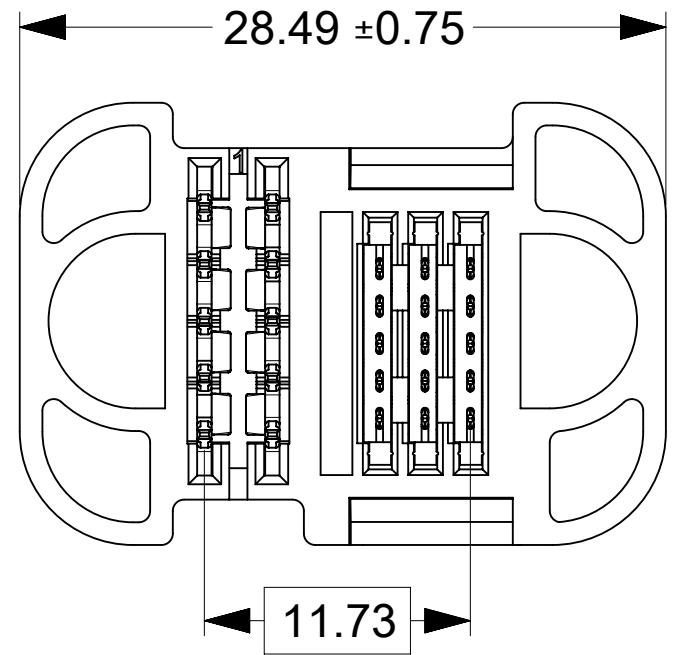
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE	CURRENT REV DESC:	molex			
mm	3:1		GUARDIAN HD VREC RIGHT SIGNAL WITH POWER PF			
GENERAL TOLERANCES (UNLESS SPECIFIED)			PRODUCT CUSTOMER DRAWING			
ANGULAR TOL	± °	EC NO: 745288	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
4 PLACES	±	DRWN: LZABJANOVSKI 2023/03/23	2195639001-SD	PSD	000	A2
3 PLACES	±	CHK'D: JAYK1 2023/04/10				
2 PLACES	± 0.25	APPR: JAYK1 2023/04/10				
1 PLACE	± 0.3	INITIAL REVISION:				
0 PLACES	±	DRWN: LZABJANOVSKI 2022/03/31				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
THIRD ANGLE PROJECTION			DRAWING SERIES		MATERIAL NUMBER CUSTOMER	
			D-SIZE 219563		SHEET NUMBER	
					1 OF 2	

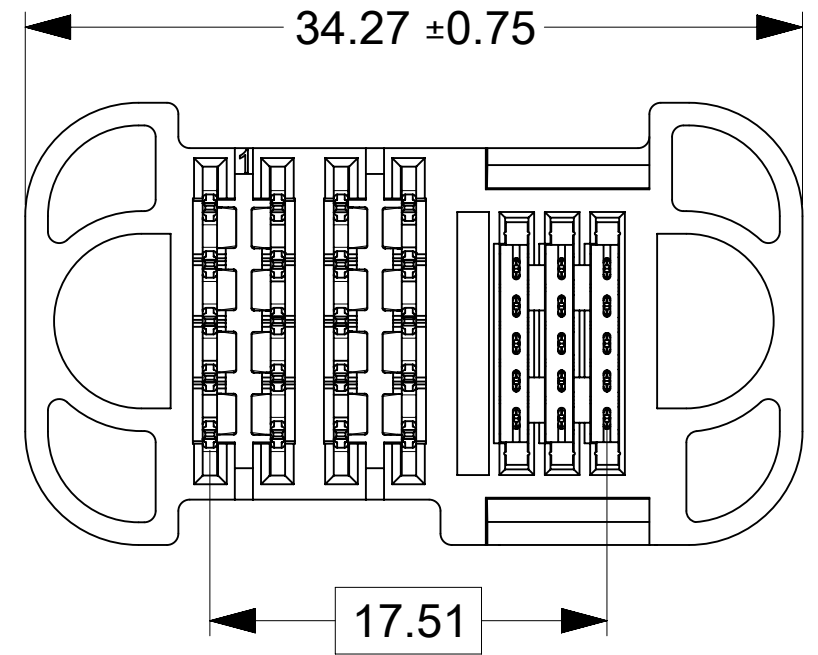


RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE

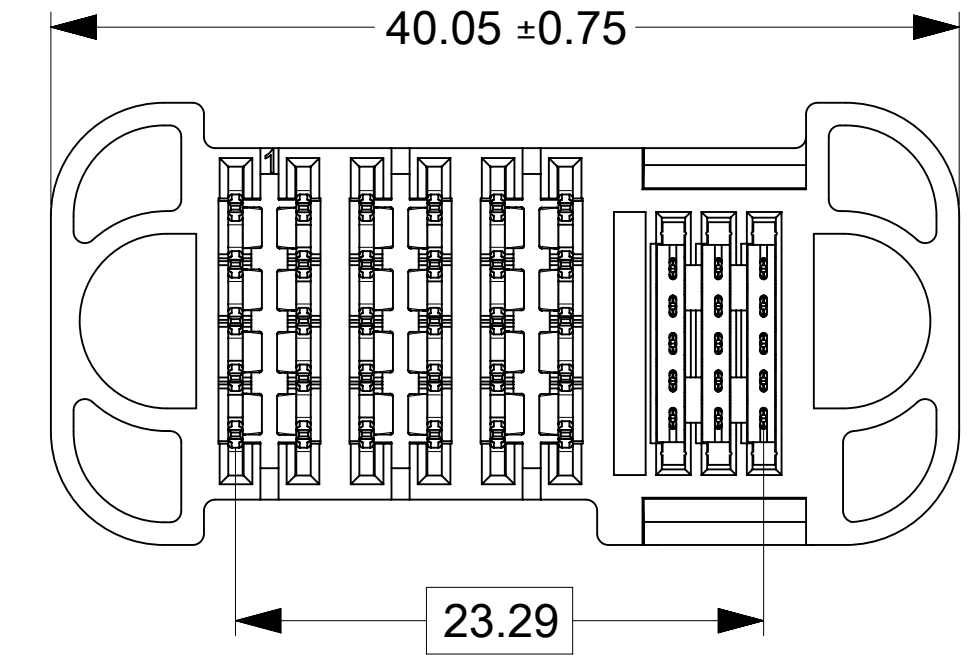
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0011	G+1P+15S+G	180



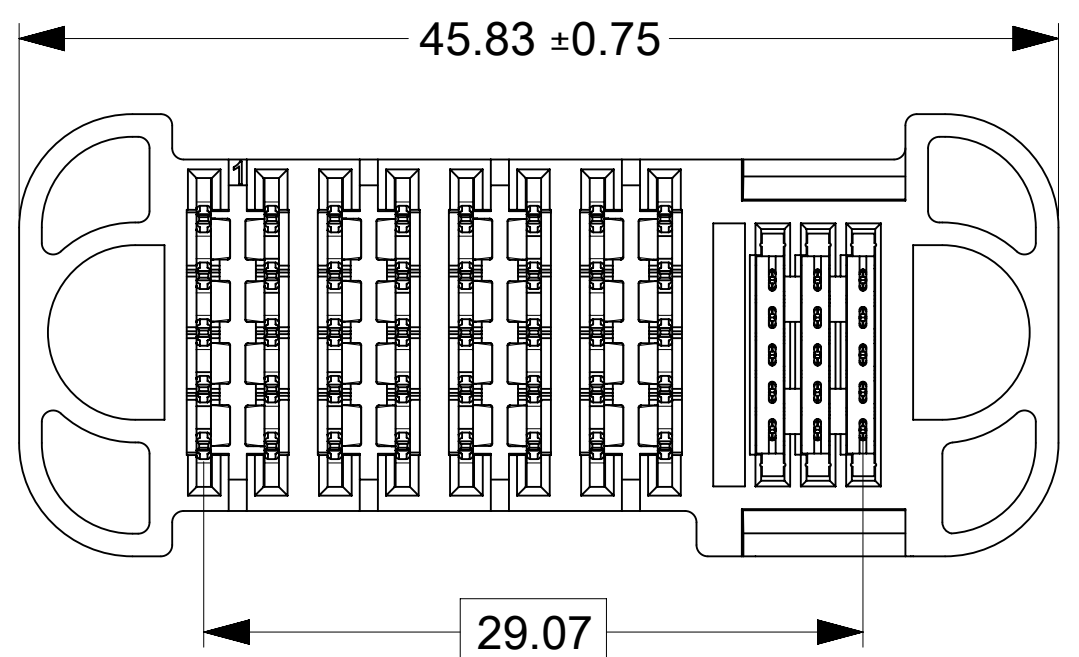
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0012	G+2P+15S+G	160



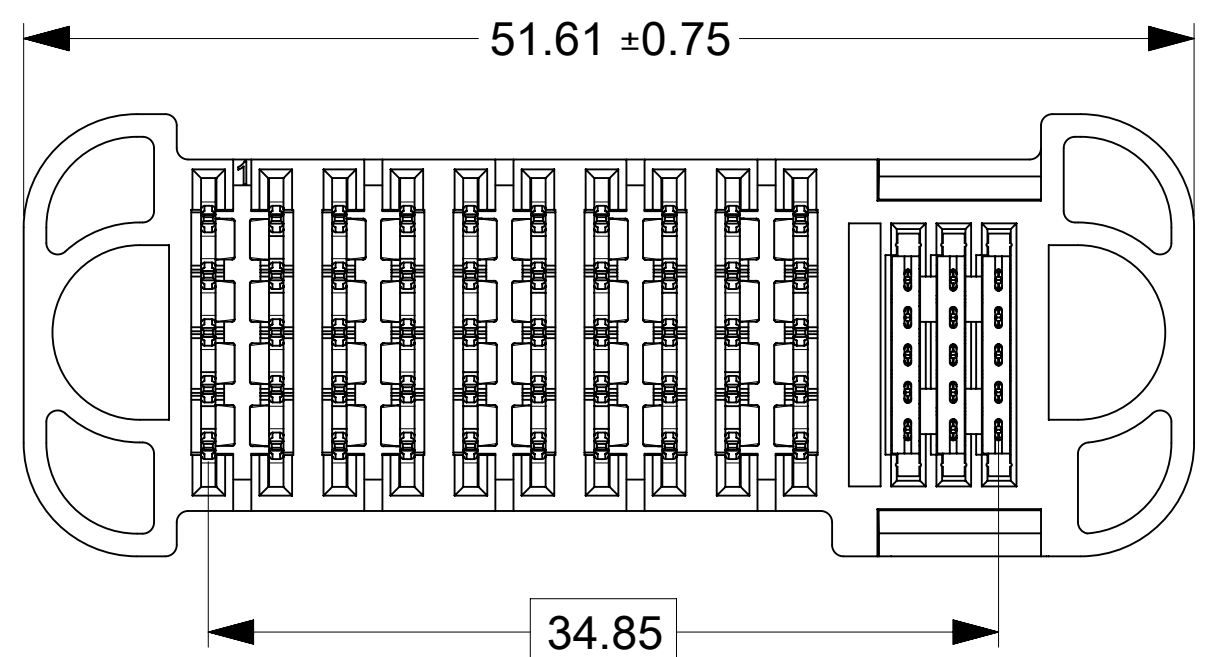
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0013	G+3P+15S+G	140



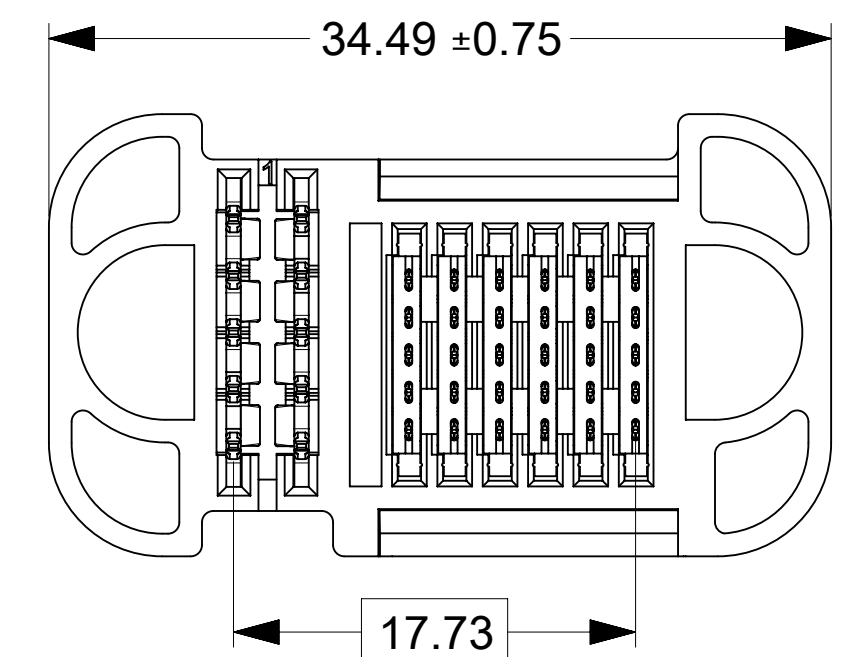
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0014	G+4P+15S+G	120



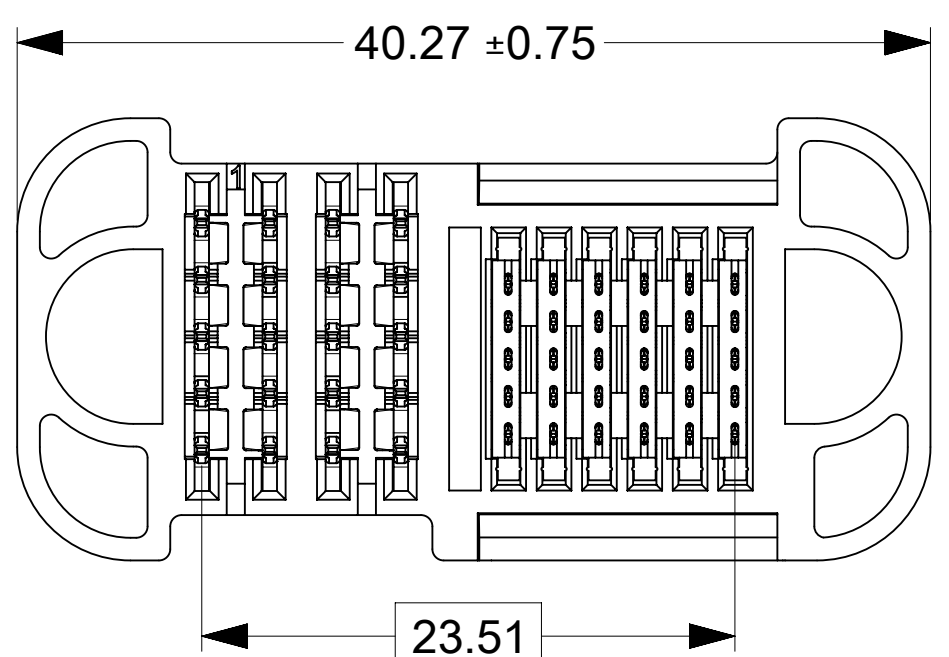
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0015	G+5P+15S+G	100



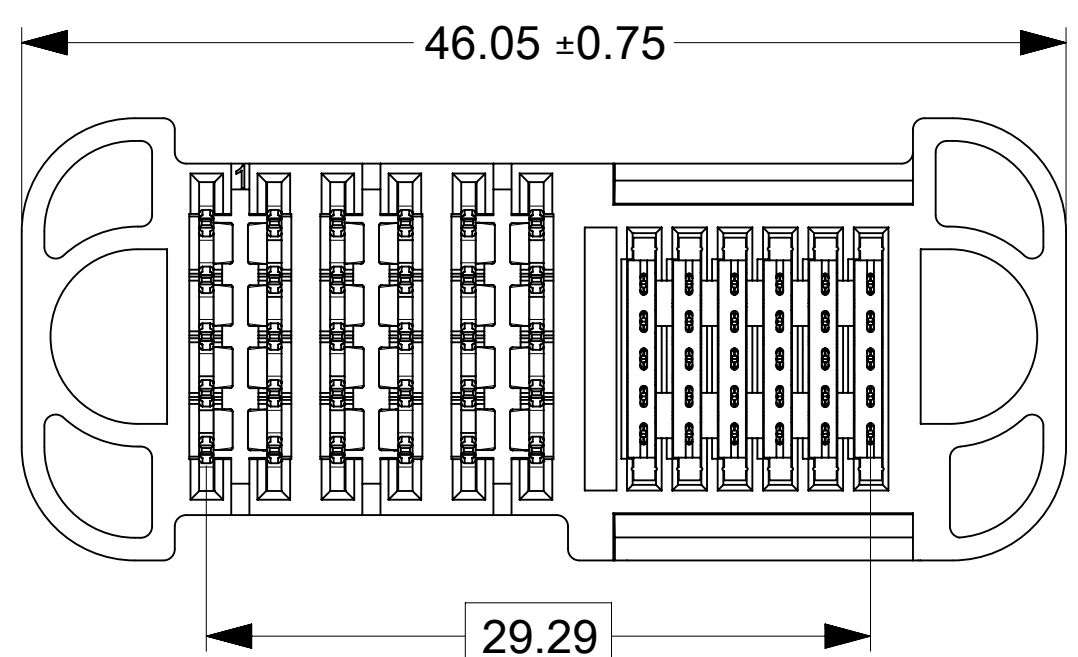
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0016	G+1P+30S+G	160



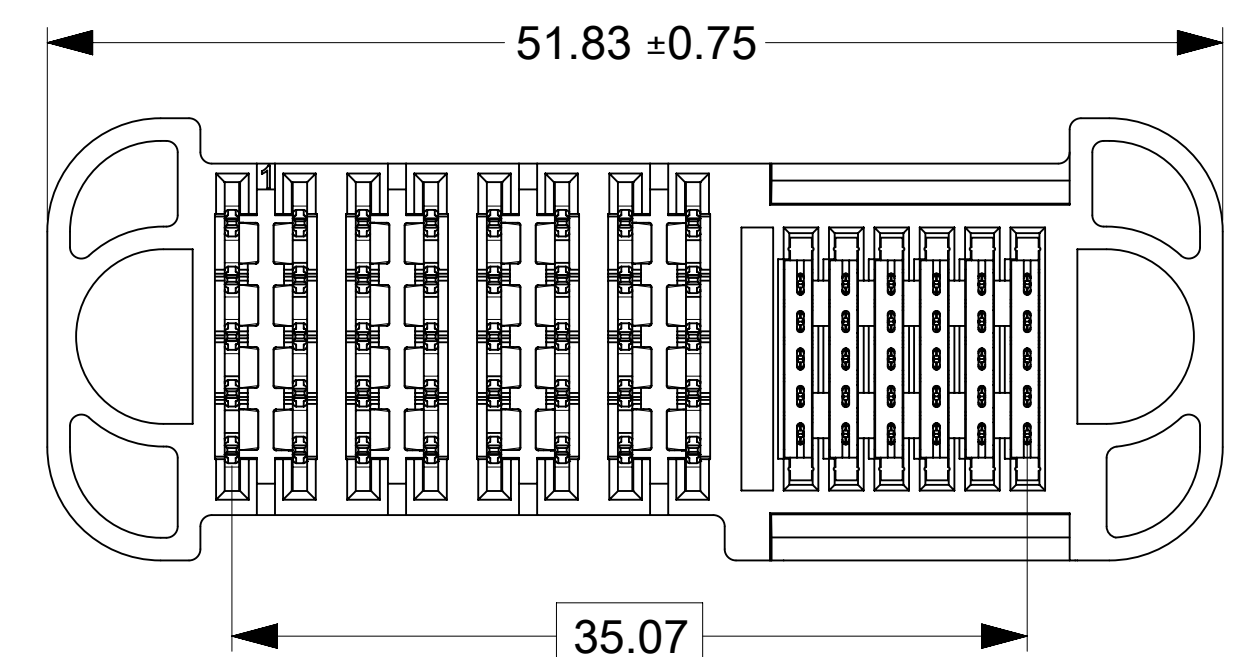
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0017	G+2P+30S+G	120



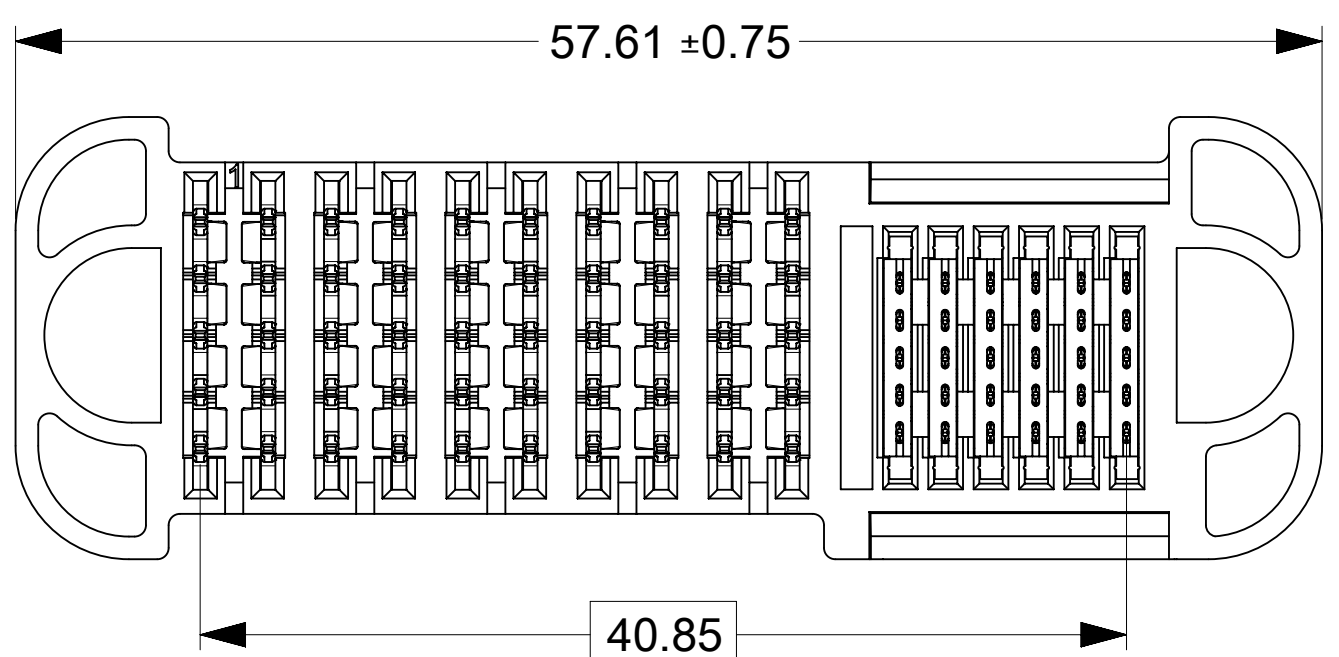
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0018	G+3P+30S+G	120



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0019	G+4P+30S+G	100



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0020	G+5P+30S+G	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
			D-SIZE
		SERIES	MATERIAL NUMBER
		219563	SEE CHART
		CUSTOMER	SHEET NUMBER
			2 OF 2
EC NO: 745288		2023/03/23	
DRWN: LZABJANOVSKI		2023/04/10	
CHK'D: JAYK1		2023/04/10	
APPR: JAYK1		2023/04/10	
INITIAL REVISION:			
DRWN: LZABJANOVSKI		2022/03/31	
APPR: BPISZCZOR		2022/08/04	
DOCUMENT NUMBER		DOC TYPE	DOC PART
2195639001-SD		PSD	000
REVISION		A2	

molex

GUARDIAN HD VREC RIGHT SIGNAL WITH POWER PF

PRODUCT CUSTOMER DRAWING