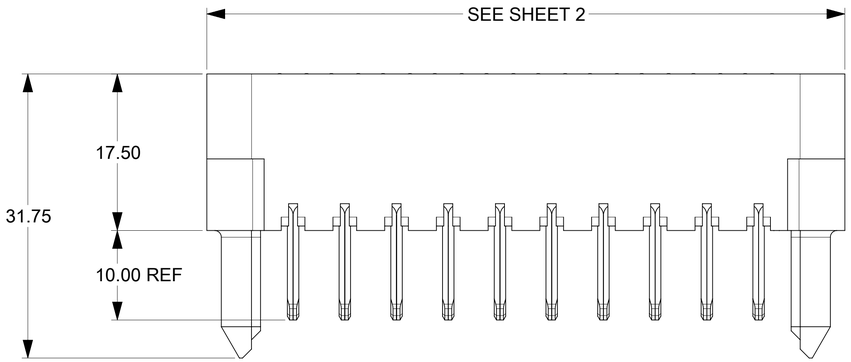
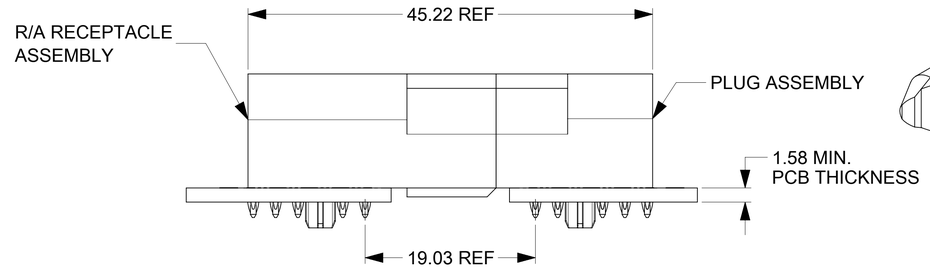
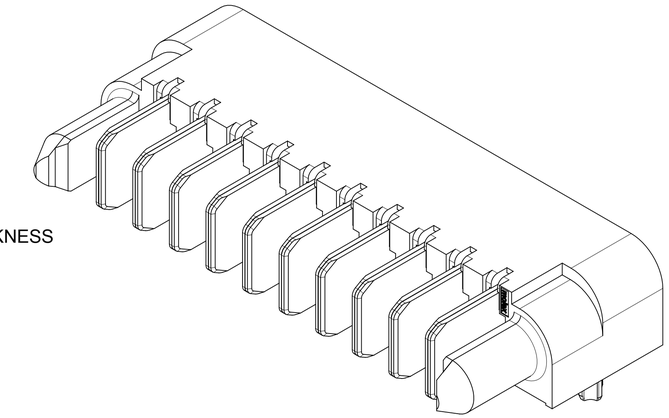
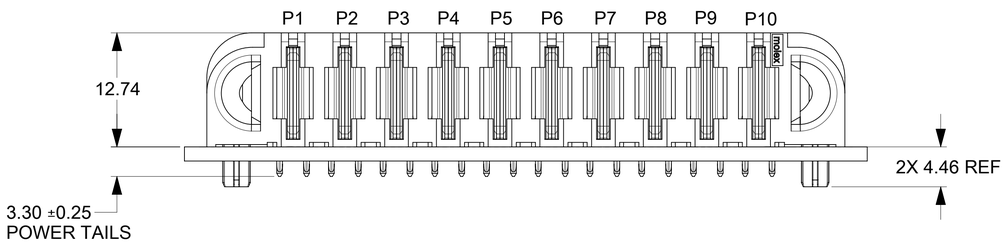
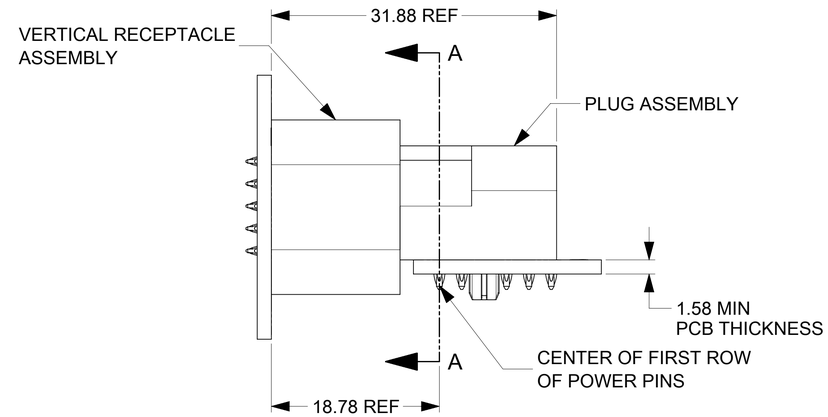


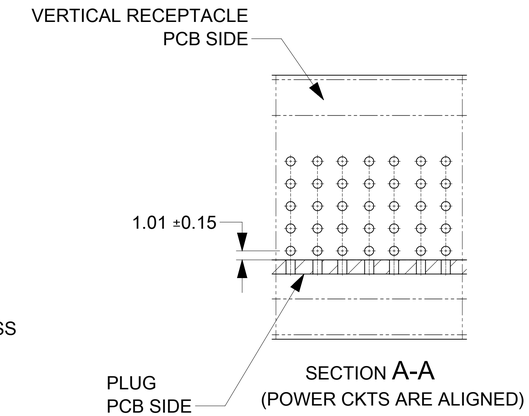




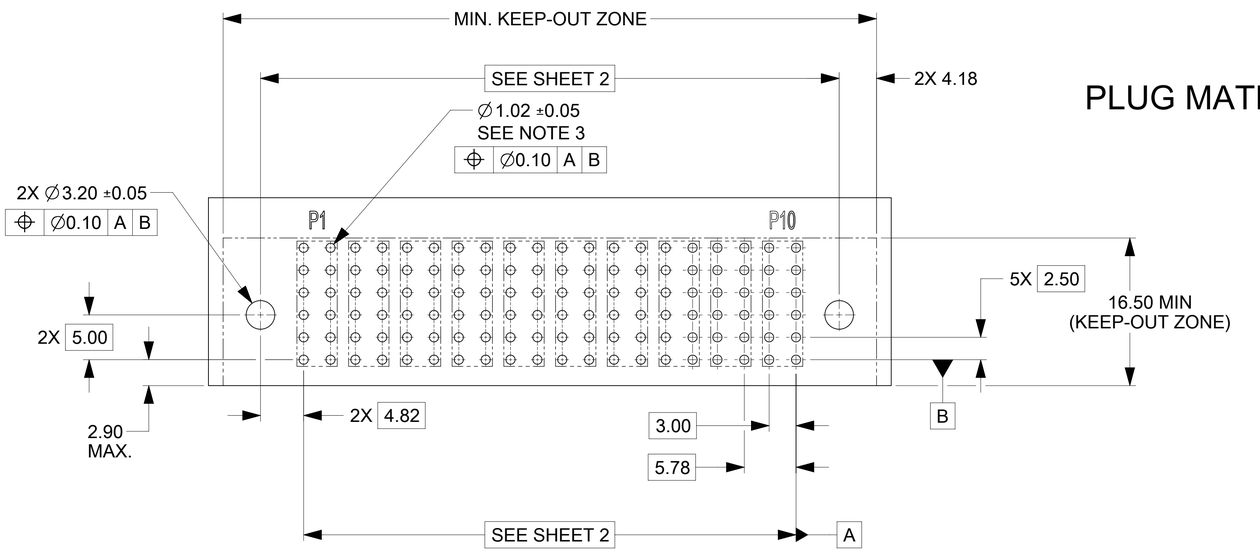
PLUG MATED TO R/A RECEPTACLE
MATED PROFILE







PLUG MATED TO VERTICAL RECEPTACLE
MATED PROFILE



RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE

NOTES:
1. 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
2. PACKAGING: ASSEMBLIES TO BE TRAY PACKED PER PACKAGING SPEC: 2141130010-PK.
3. PLATED THRU HOLE SIZE, REFER TO PRODUCT SPEC. FOR DETAILS.
4. PRODUCT SPEC: 2141130000-PS.
5. PRODUCT TO MEET RoHS REQUIREMENTS.
6. PLUG ASSEMBLY MATES TO MOLEX RECEPTACLES 219563XXXX-SD AND 219564XXXX-SD, SEE DRAWINGS FOR DETAILS.
7. TAIL DESIGN: COMPLIANT PIN.
8. POWER TERMINALS ARE LUBRICATED.
9. APPLICATION SPECIFICATION: 2141130000-AS (FOR COMPLIANT TAILS ONLY).

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DIMENSION UNITS	SCALE
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

CURRENT REV DESC:

EC NO: 745288
DRWN: LZABJANOVSKI 2023/03/09
CHK'D: JAYK1 2023/04/10
APPR: JAYK1 2023/04/10

INITIAL REVISION:
DRWN: LZABJANOVSKI 2022/03/14
APPR: BPISZCZOR 2022/08/04

molex

GUARDIAN HD RA PLUG POWER ONLY PF

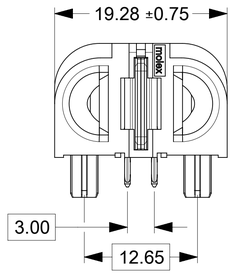
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2195629000-SD	PSD	000	A1

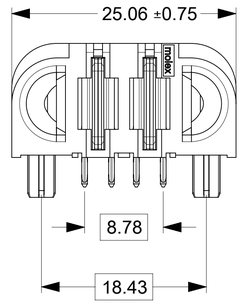
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	219562	SEE CHART		1 OF 2

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

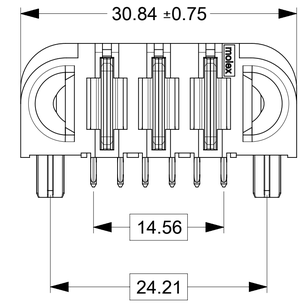
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0001	G+1P+G	195



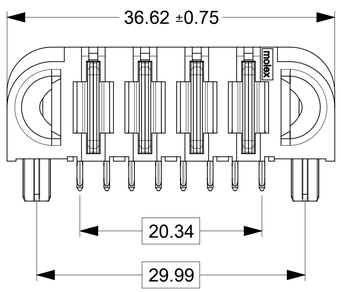
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0002	G+2P+G	150



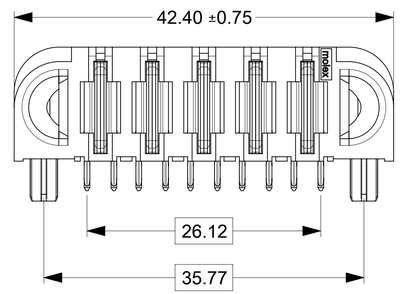
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0003	G+3P+G	120



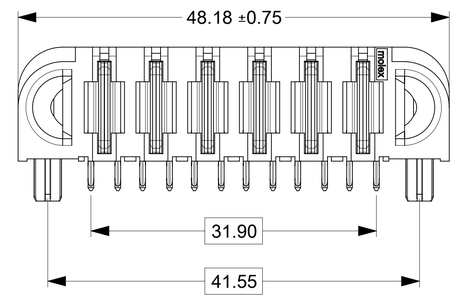
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0004	G+4P+G	105



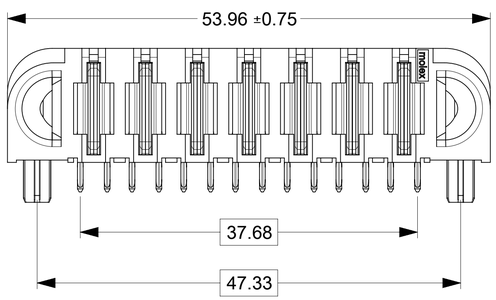
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0005	G+5P+G	90



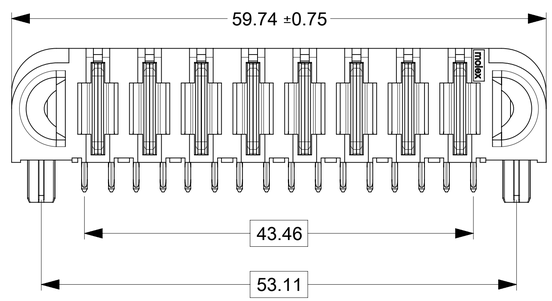
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0006	G+6P+G	75



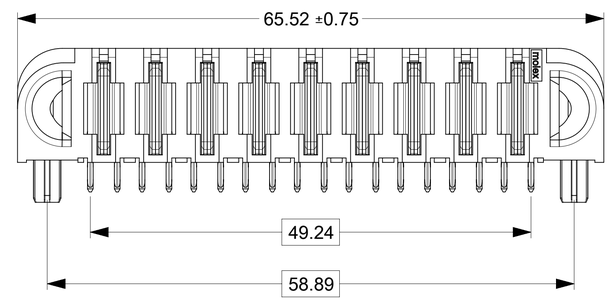
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0007	G+7P+G	60



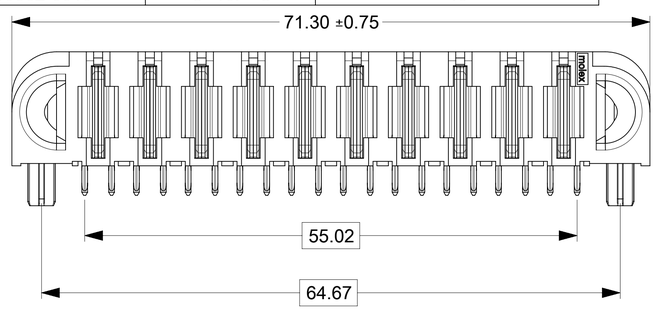
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0008	G+8P+G	60



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0009	G+9P+G	45



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219562-0010	G+10P+G	45



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

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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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APPR: JAYK1 2023/04/10

INITIAL REVISION:
DRWN: LZABJANOVSKI 2022/03/14
APPR: BPISZCZOR 2022/08/04

molex

GUARDIAN HD RA PLUG POWER ONLY PF

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2195629000-SD	PSD	000	A1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	219562	SEE CHART		2 OF 2