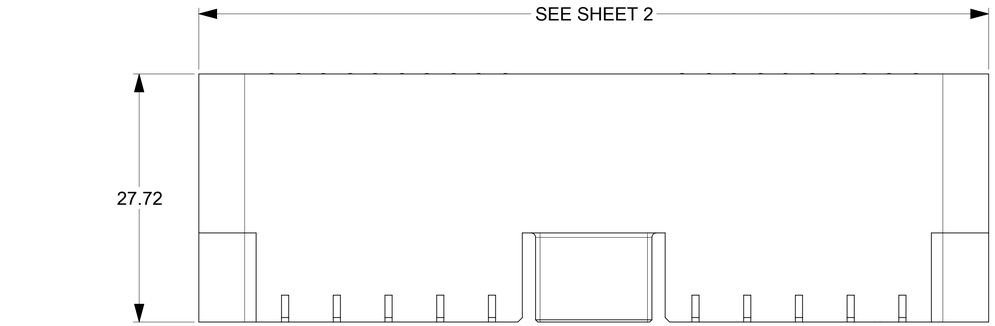
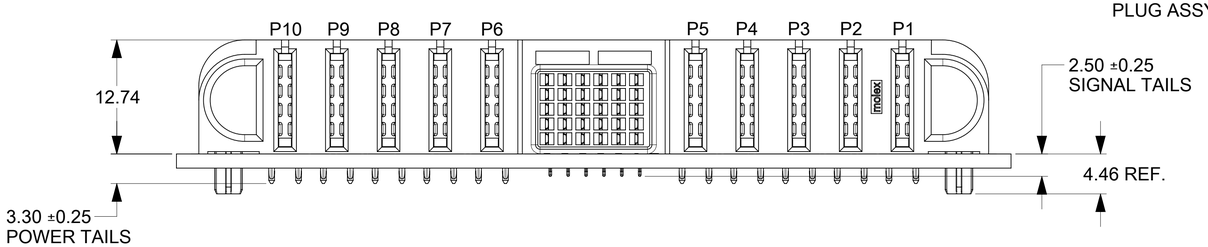
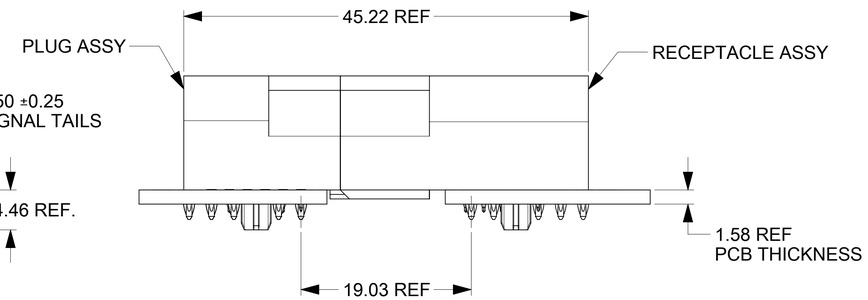
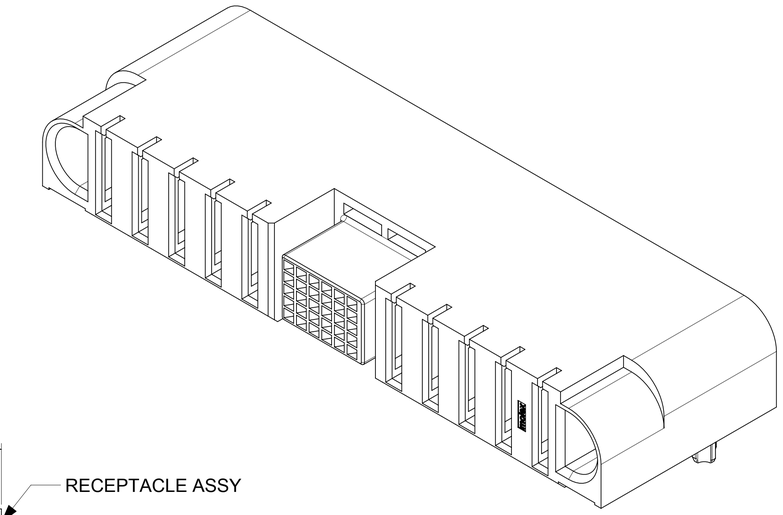
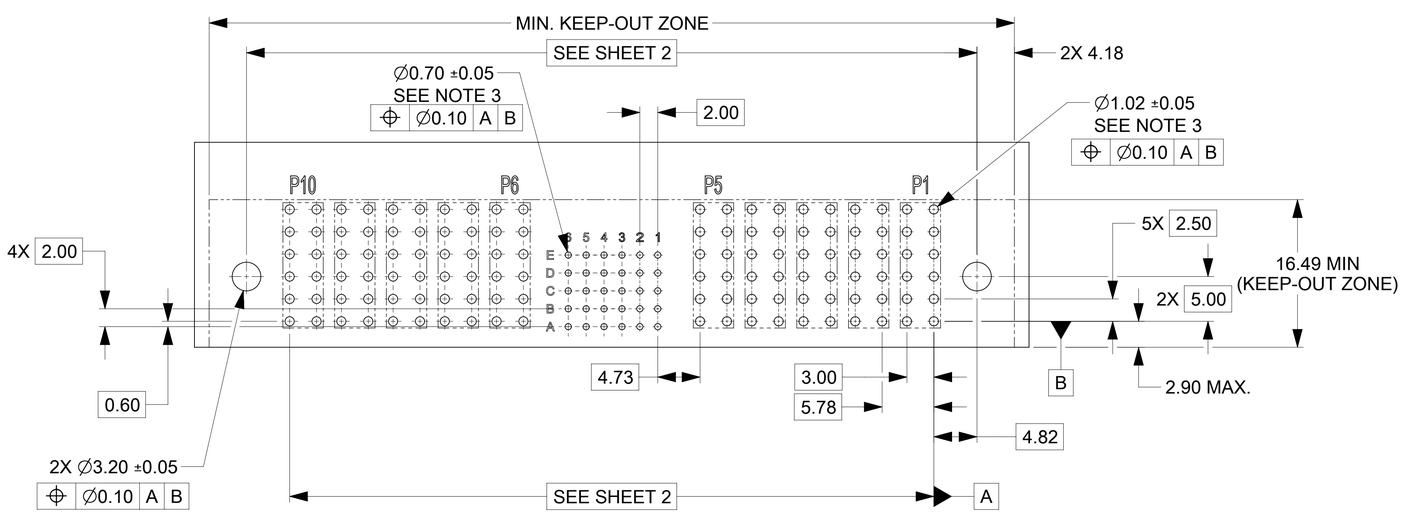








PLUG MATED TO R/A RECEPTACLE
MATED PROFILE



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: 2141150010-PK.
3. PLATED THRU HOLE SIZE, REFER TO PRODUCT SPEC. FOR DETAILS.
4. PRODUCT SPEC: 2141130000-PS.
5. PRODUCT TO MEET RoHS REQUIREMENTS.
6. VERTICAL ASSEMBLY MATES TO MOLEX PLUG 219562XXXX-SD, SEE DRAWING 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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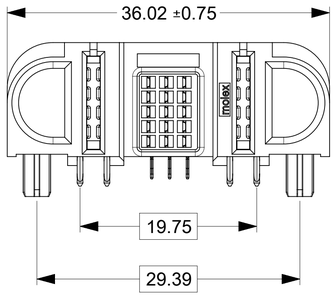
DIMENSION UNITS: mm	SCALE: 3:1	CURRENT REV DESC:	molex
GENERAL TOLERANCES (UNLESS SPECIFIED)			GUARDIAN HD REC DUAL POWER SIGNAL CENTER PF
ANGULAR TOL ± °		EC NO: 745288	
4 PLACES ±		DRWN: LZABJANOVSKI 2023/03/24	
3 PLACES ±		CHK'D: JAYK1 2023/04/10	PRODUCT CUSTOMER DRAWING
2 PLACES ± 0.25		APPR: JAYK1 2023/04/10	
1 PLACE ± 0.3		INITIAL REVISION:	DOCUMENT NUMBER: 2195649002-SD; DOC TYPE: PSD; DOC PART: 000; REVISION: A3
0 PLACES ±		DRWN: LZABJANOVSKI 2022/04/01	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: BPISZCZOR 2022/08/04	
THIRD ANGLE PROJECTION	DRAWING: D-SIZE	SERIES: 219564	MATERIAL NUMBER: SEE CHART; CUSTOMER: ; SHEET NUMBER: 1 OF 2

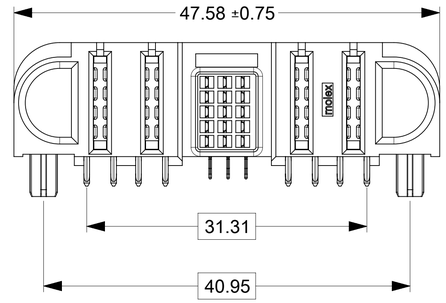
DOCUMENT STATUS	P1	RELEASE DATE	2023/04/11 17:06:07

TEMPLATE NAME: PS-001-01
REVISION: 21
DATE: 2021-05-05

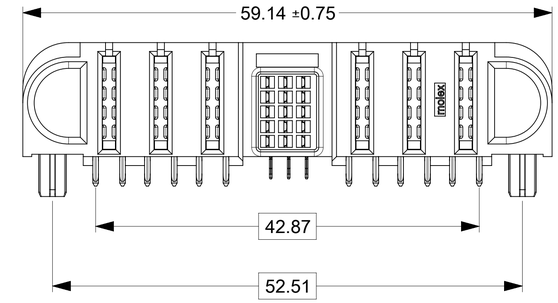
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0021	G+1P+15S+1P+G	105



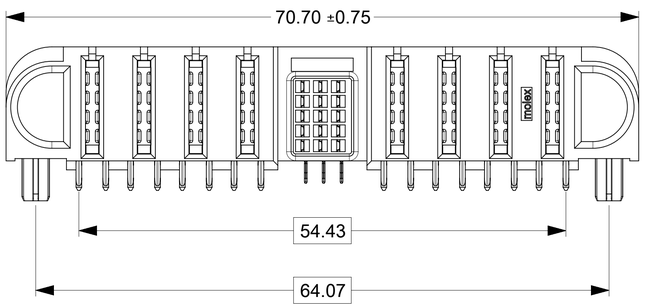
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0022	G+2P+15S+2P+G	75



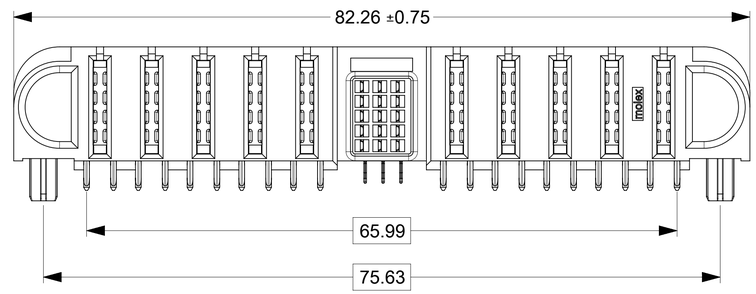
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0023	G+3P+15S+3P+G	60



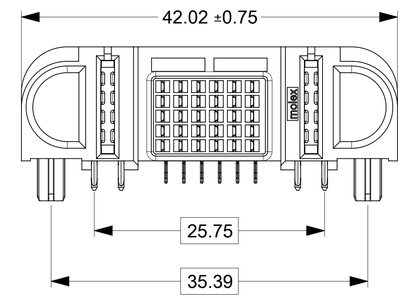
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0024	G+4P+15S+4P+G	45



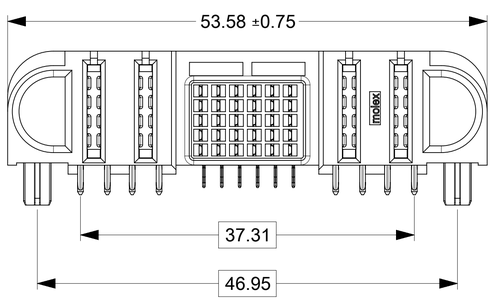
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0025	G+5P+15S+5P+G	45



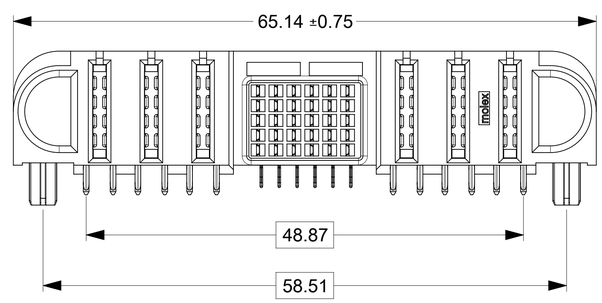
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0026	G+1P+30S+1P+G	90



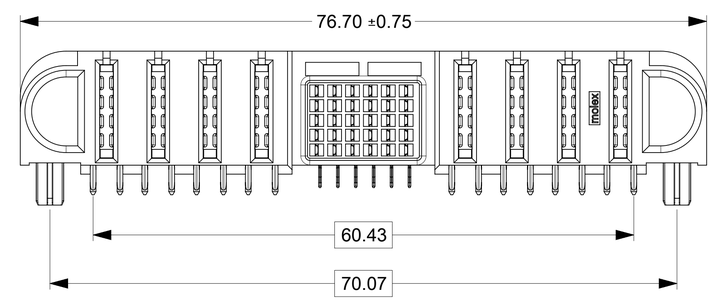
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0027	G+2P+30S+2P+G	60



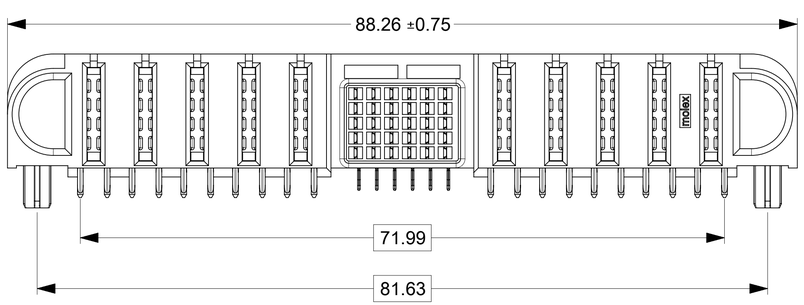
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0028	G+3P+30S+3P+G	60



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0029	G+4P+30S+4P+G	45



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0030	G+5P+30S+5P+G	30



DOCUMENT STATUS	P1	RELEASE DATE	2023/04/11	17:06:07

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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 2023/03/24
CHK'D: JAYK1 2023/04/10
APPR: JAYK1 2023/04/10

INITIAL REVISION:
DRWN: LZABJANOVSKI 2022/04/01
APPR: BPISZCZOR 2022/08/04

molex

GUARDIAN HD REC DUAL POWER SIGNAL CENTER PF

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2195649002-SD	PSD	000	A3

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	219564	SEE CHART		2 OF 2

FORMAT: molex-B-prod-07
REVISION: 21
DATE: 2019/06/07