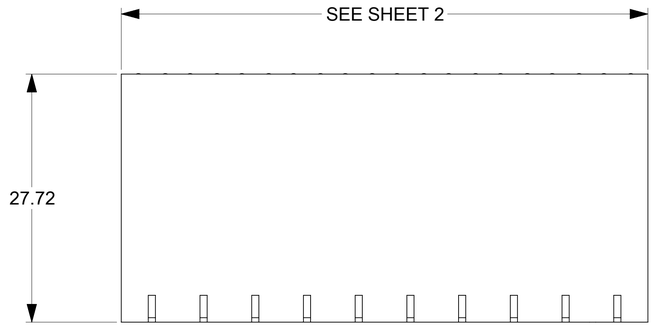
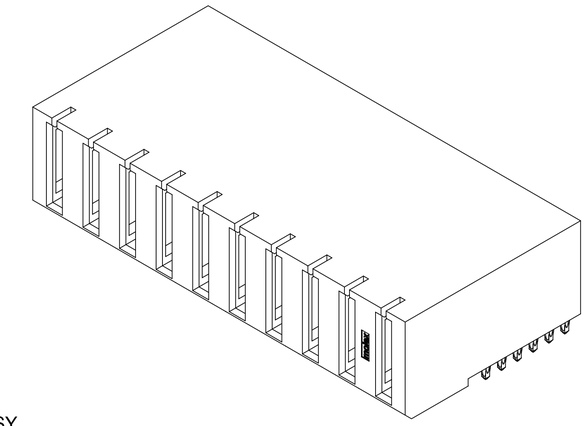
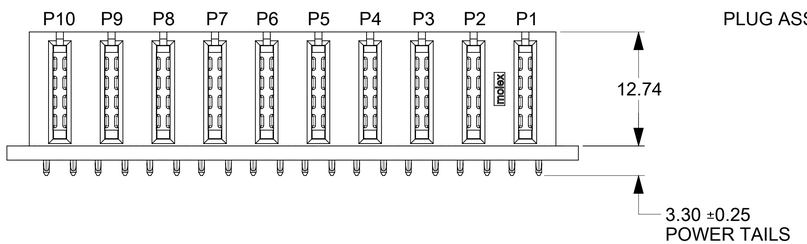
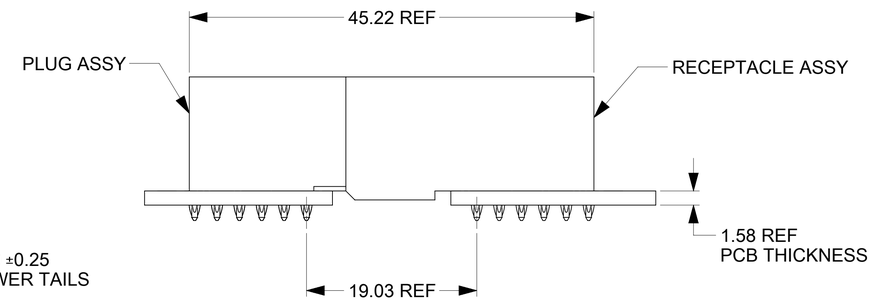
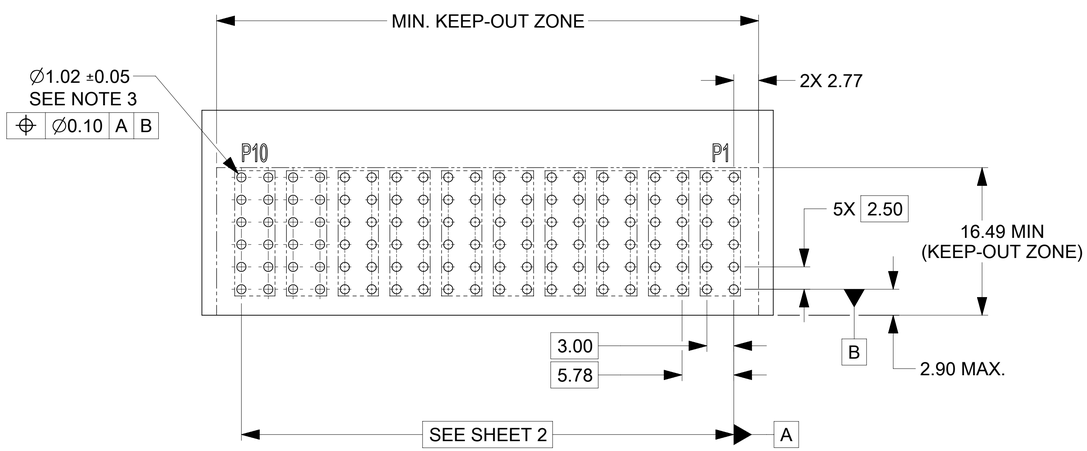








PLUG MATED TO R/A RECEPTACLE MATED PROFILE



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	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 POWER ONLY
UNGUIDED PF

PRODUCT CUSTOMER DRAWING

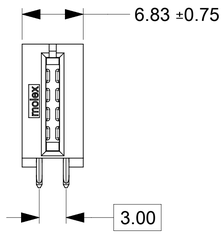
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2195649003-SD	PSD	000	A3

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	219564	SEE CHART		1 OF 2

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

TEMPLATE: 000-000-000-01-01
REVISION: 01
DATE: 2021-03-01

PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219564-0031	1P	585



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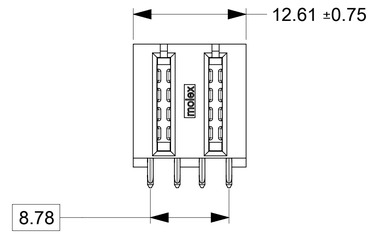
219564-0032	2P	315



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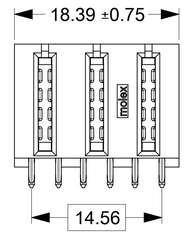

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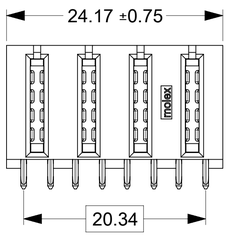

PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
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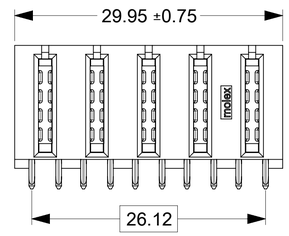

PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
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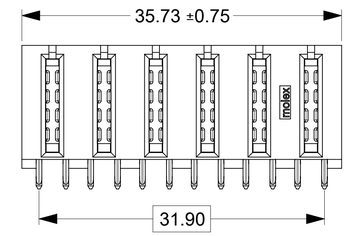

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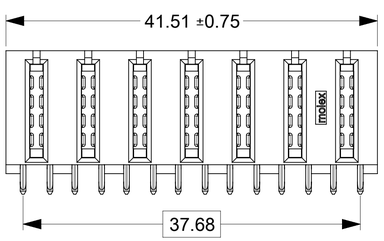

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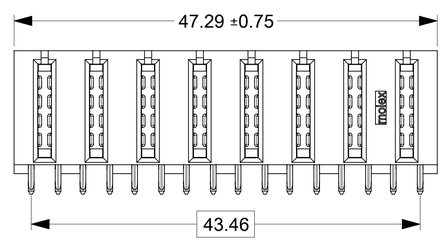

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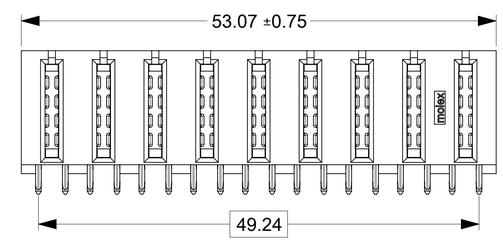

PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
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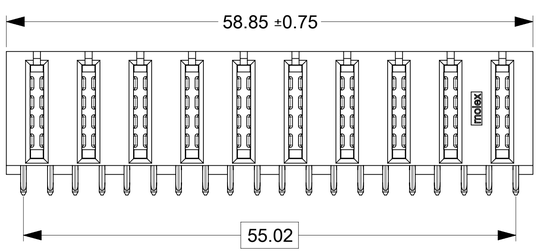

DOCUMENT STATUS	P1	RELEASE DATE	2023/04/11 17:06:07

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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

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 219564

molex

GUARDIAN HD REC POWER ONLY
UNGUIDED PF

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2195649003-SD	PSD	000	A3

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART		2 OF 2