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BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: AS-34900-0001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY AS SPECIFIED IN BOM
 - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY
 - BACKSHELL DESIGN IS OWNED BY SCHLEMMER
- b. PRODUCT SPECIFICATION
- THESE PRODUCTS ARE ONE TIME USE ONLY.
 - REMOVAL FORCE OF THE BACKSHELL FROM THE MOLEX CONNECTOR TO BE 110N MIN IN DRY AS MOLDED STATE.
 - REMOVAL FORCE OF SLIT CONVOLUTE FROM THE WIRE DRESS COVER TO BE 20 N MIN.
 - REMOVAL FORCE OF UNSLIT CONVOLUTE FROM THE WIRE DRESS COVER TO BE 20 N MIN.
- c. PACKAGING SPECIFICATION SEE PK-31302-118
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- f. FOLLOWING PRODUCTION CODES TO BE PRESENT
- DATE CODE
 - MOLD CAVITY CODE
 - CONVOLUTE SIZE
 - MOLEX LOGO
 - MATERIAL
 - SUPPLIER PART NUMBER

2. DESIGN - MATERIALS:

- a. PA66 0% GLASS FILLED
- b. BLACK

3. DESIGN GEOMETRY:

- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
- c. CORNERS SHOWN AS SHARP TO BE R 0.1.
- d. VISUAL DEFECTS SHALL MEET COSMETEIC STANDARD PS-45499-002 (CLASS B).
- e. DRAFT OF 2° PRESENT.
- f. ALLOWABLE FLASH, PARTING LINES MISMATCH, EJECTOR PINS MARK, AND GATE VESTIGE TO BE +0.30 MAX PROTUSION.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
FUNCTIONAL SYMBOLS <div><div>A</div>= 0</div> <div><div>C</div>= 0</div> <div><div>P</div>= 0</div> DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED TO NX, BALLOON NUMBERS ADDED			<div>molex</div>		
	mm		1.5:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)					1.2MM RECEPTACLE WDC				
	ANGULAR TOL ± 3°									
	4 PLACES		±		PRODUCT CUSTOMER DRAWING					
	3 PLACES		±							
	2 PLACES		± 0.100		DOCUMENT NUMBER <div>SD-160091-0001</div> DOC TYPE PSD DOC PART 001 REVISION C2					
	1 PLACE		± 0.30							
	0 PLACES		±							
	STATUS: Production					2023-02-01 2025-04-24 2025-04-24				
DRWN: Yuki Song										
CHK'D: Yuki Song										
APPR: Elvis Song					MATERIAL NUMBER SEE BOM CUSTOMER GENERAL MARKET SHEET NUMBER 1 OF 4					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
THIRD ANGLE PROJECTION										
DRAWING D-SIZE					SERIES 160091					

molex

1.2MM RECEPTACLE WDC

PRODUCT CUSTOMER DRAWING

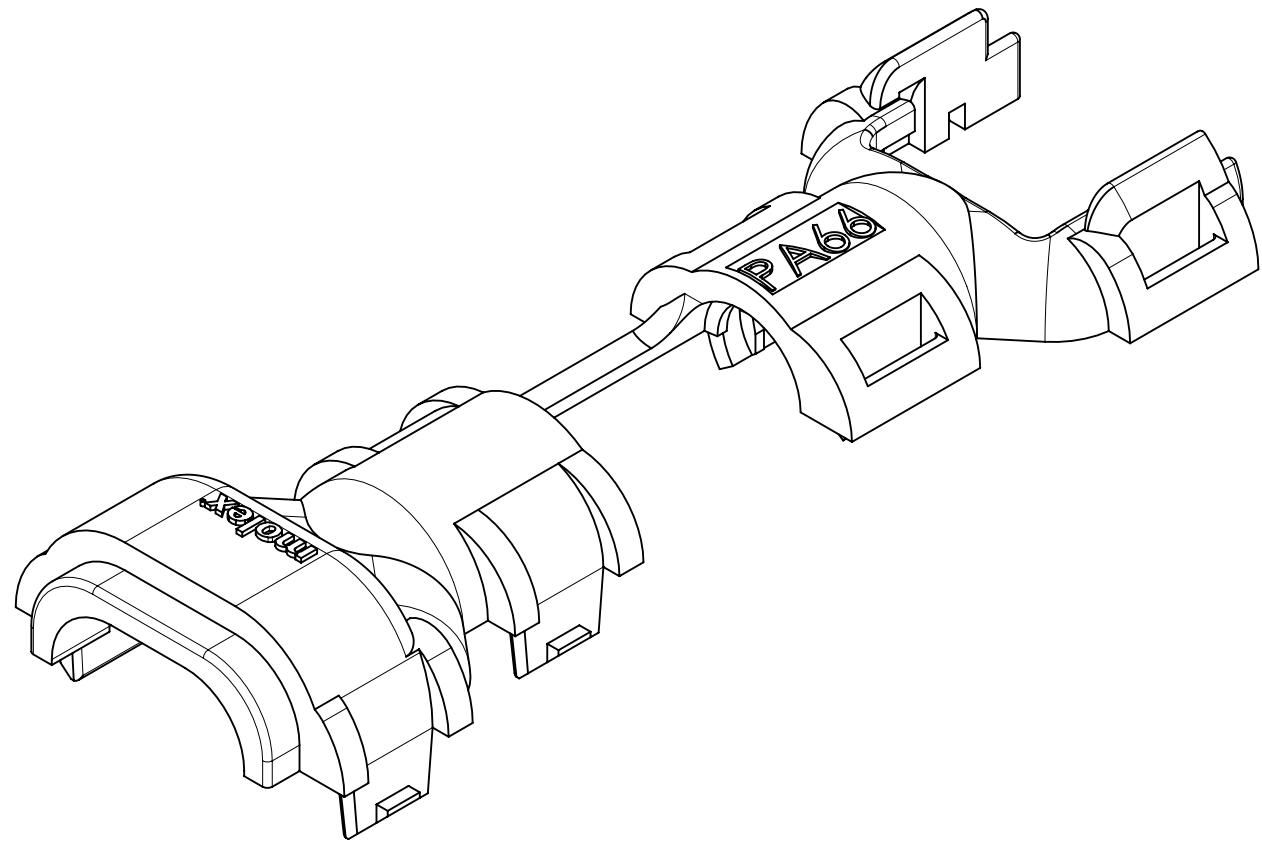
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160091-0001	PSD	001	C2

SEE BOM

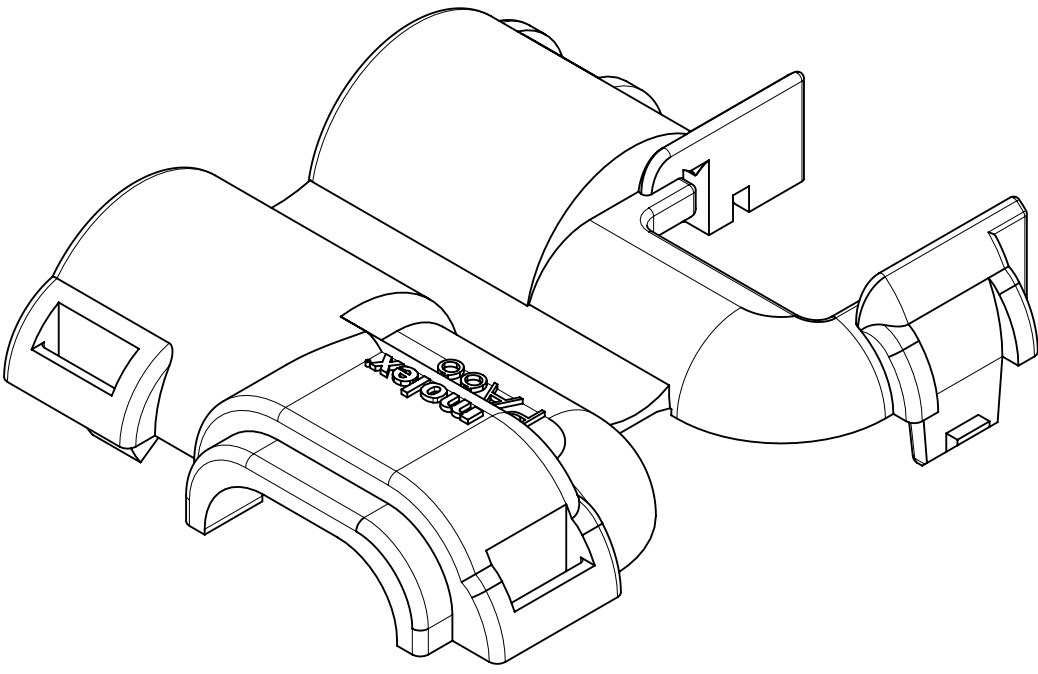
GENERAL MARKET

1 OF 4

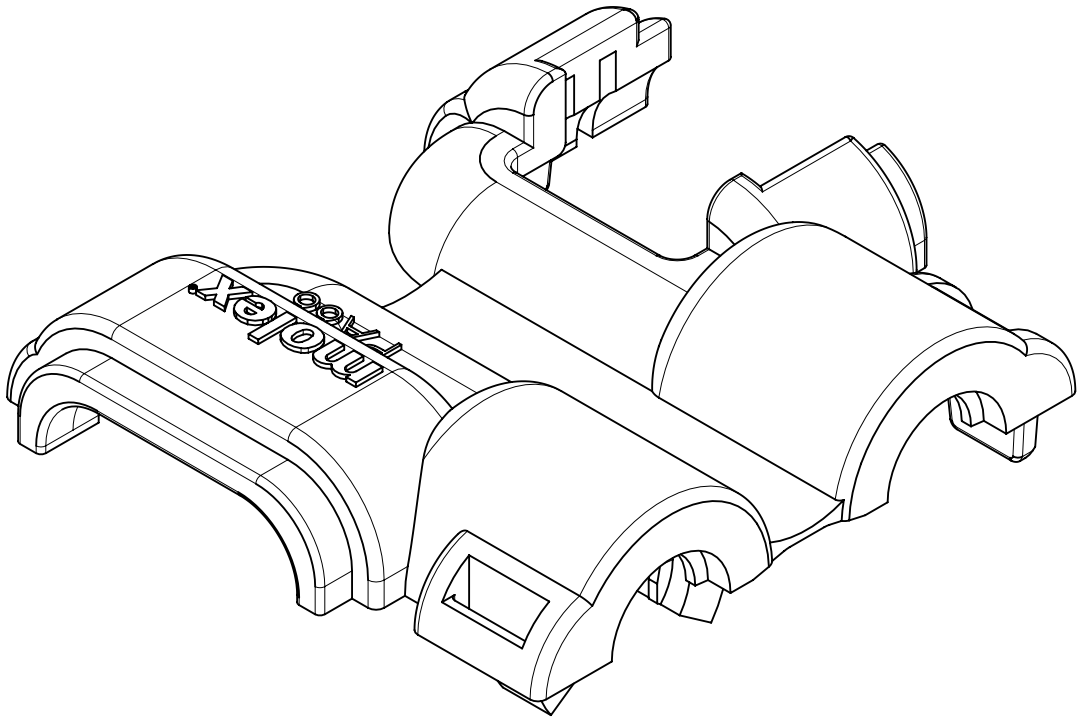
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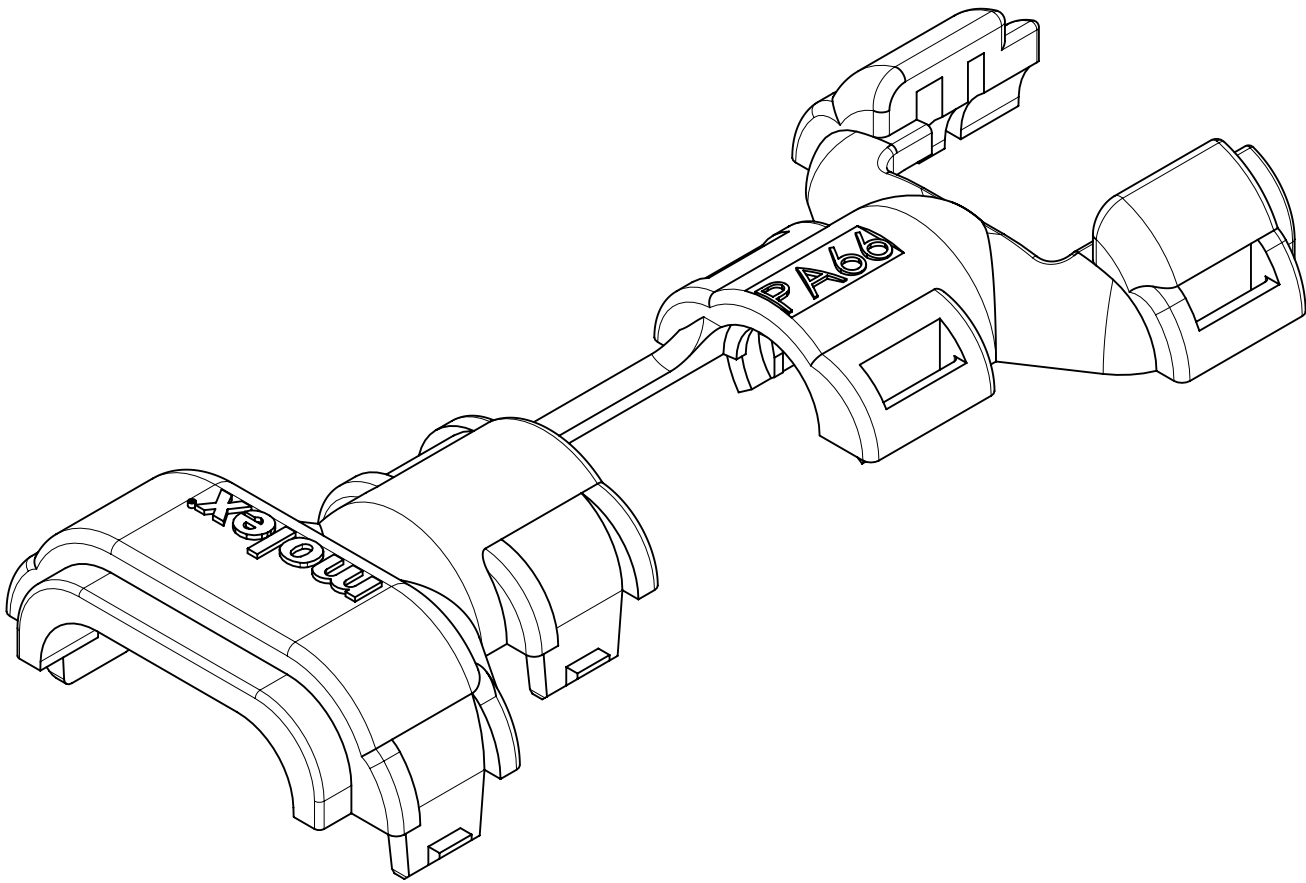
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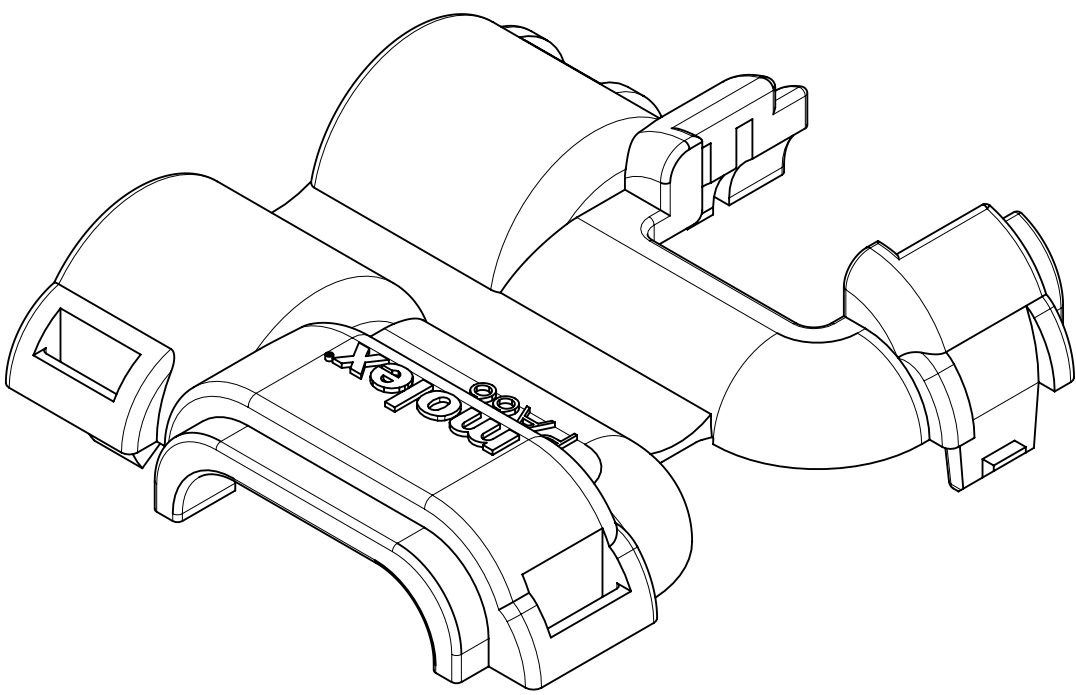
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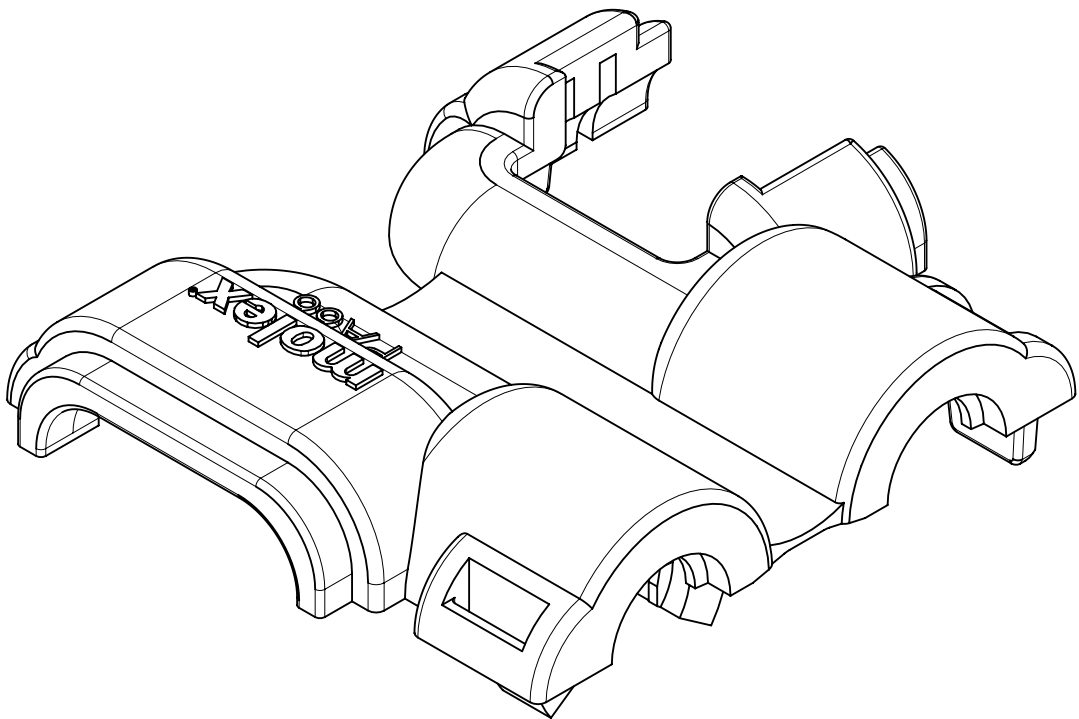
DIRECTION TYPE 3



DIRECTION TYPE 1



DIRECTION TYPE 2

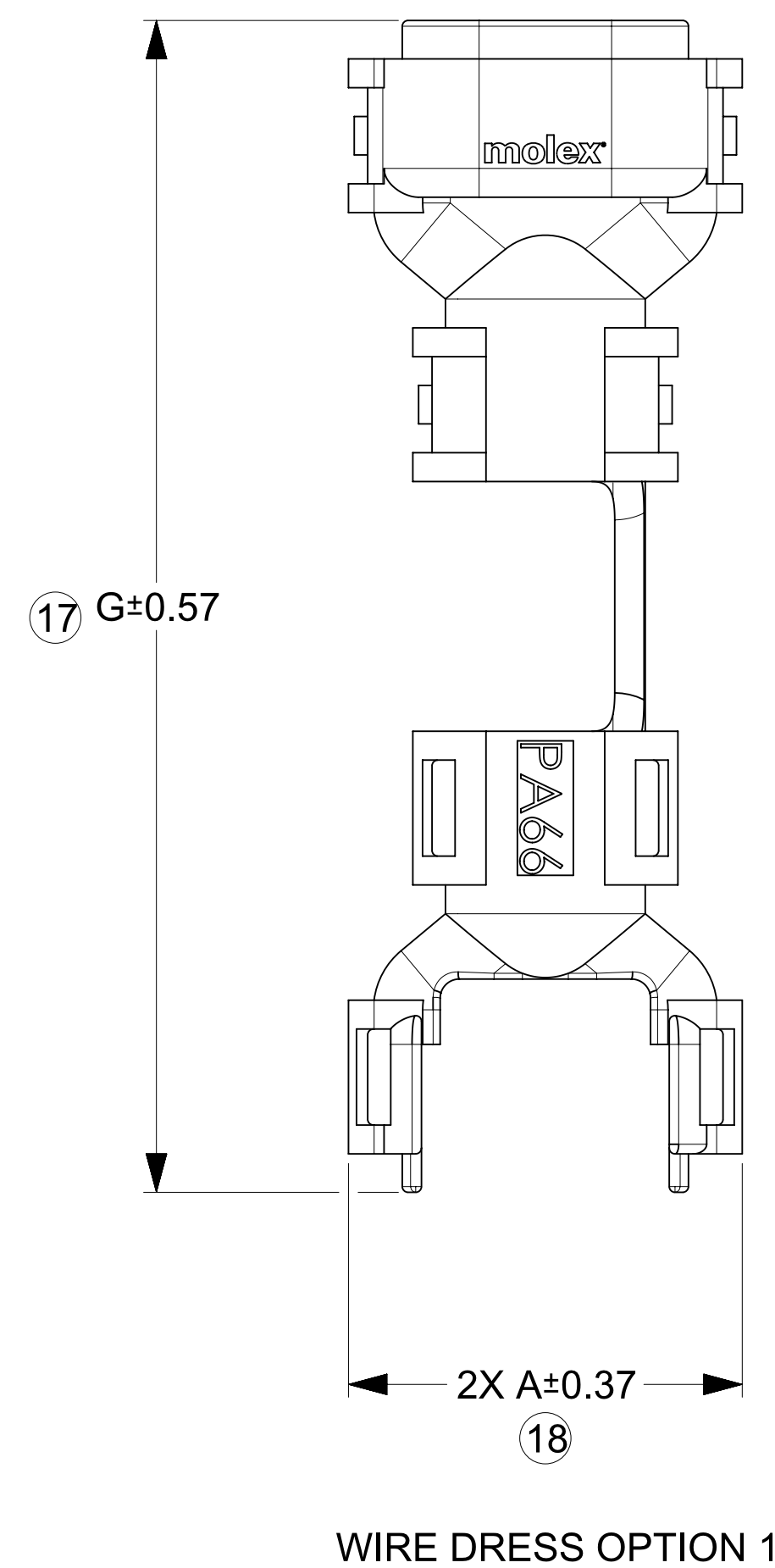
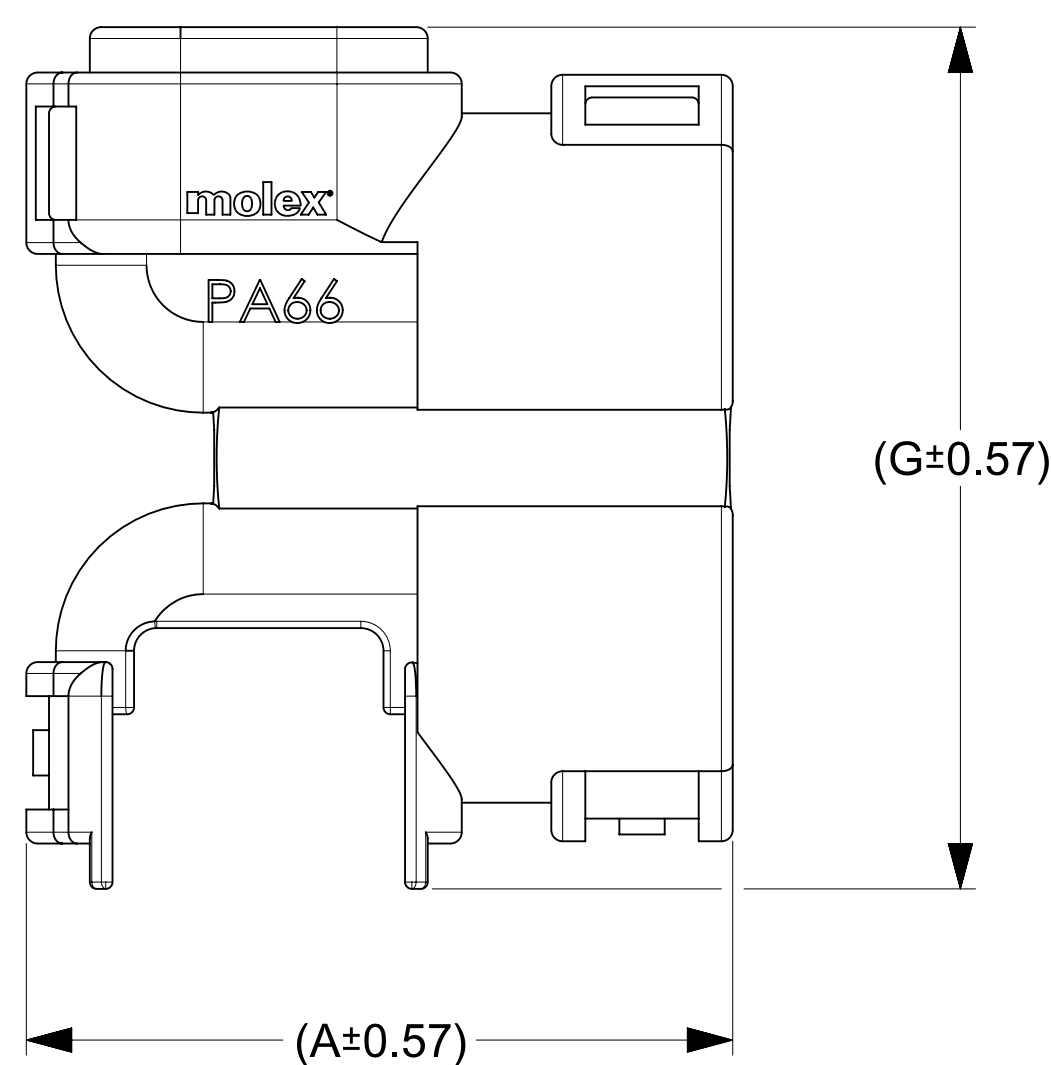


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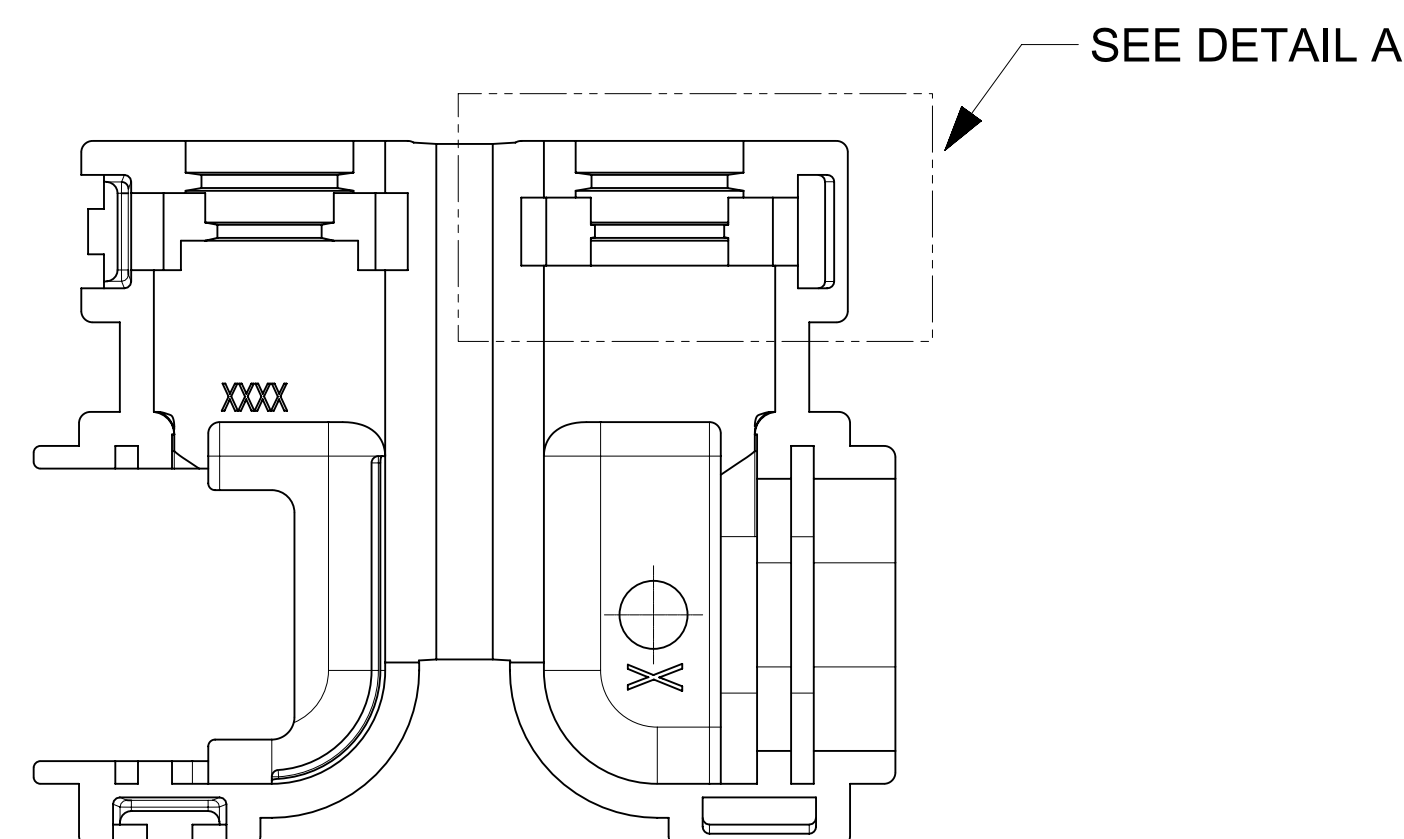
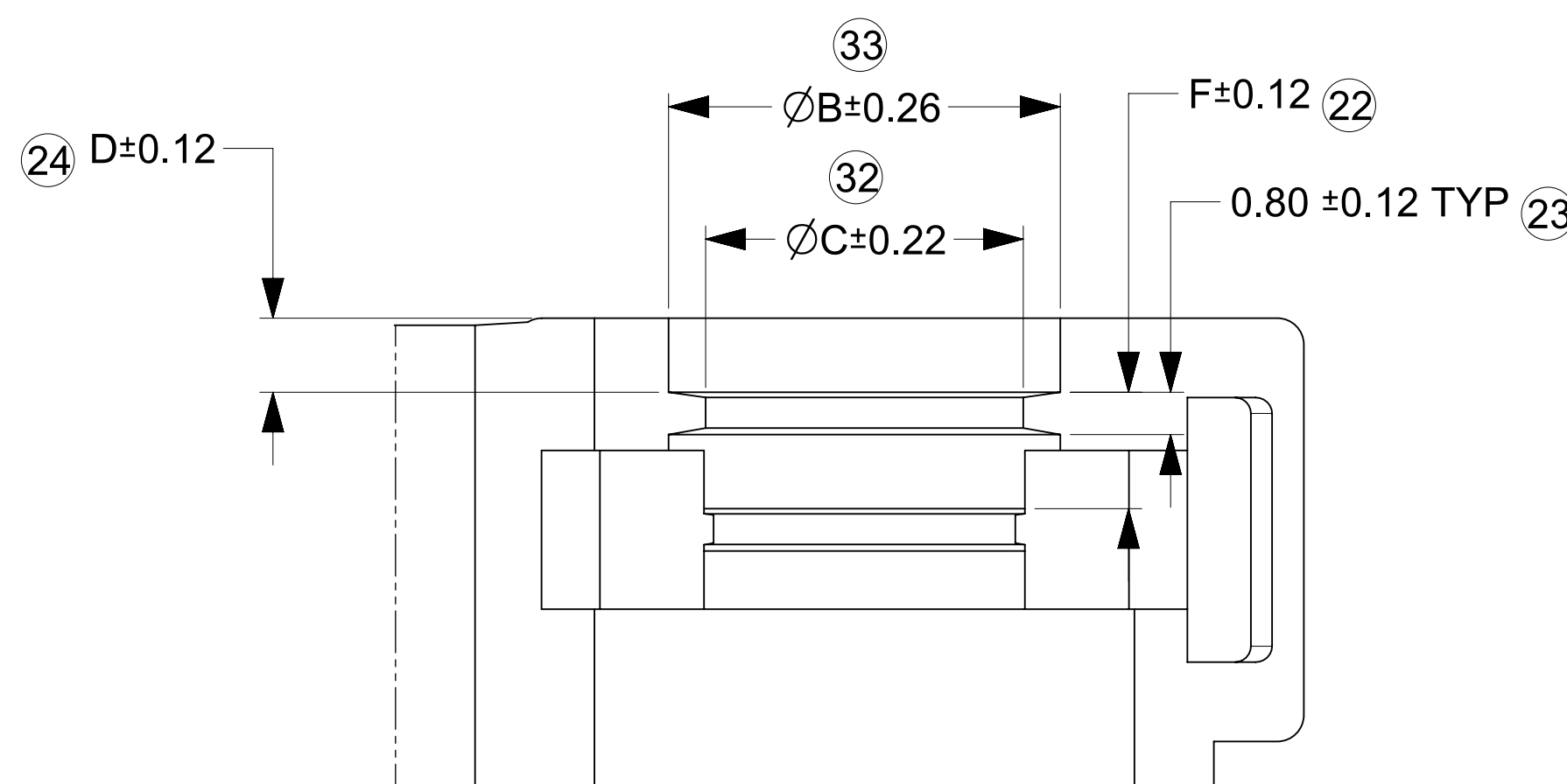
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED TO NX, BALLOON NUMBERS ADDED			<div>molex</div>					
	mm		3:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
	ANGULAR TOL		± 3°										
	4 PLACES		±					1.2MM RECEPTACLE WDC					
	3 PLACES		±										
	2 PLACES		± 0.100										
	1 PLACE		± 0.30										
	0 PLACES		±										
DIVISIONAL SYMBOLS	STATUS: Production				2023-02-01		PRODUCT CUSTOMER DRAWING						
	DRWN: Yuki Song				2025-04-24								
	CHK'D: Yuki Song				2025-04-24								
	APPR: Elvis Song				2025-04-24								
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION					DRAWING		SERIES	
				D-SIZE		160091		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								SEE BOM		GENERAL MARKET		2 OF 4	

CONVOLUTE INTERFACE / BACKSHELL DETAIL

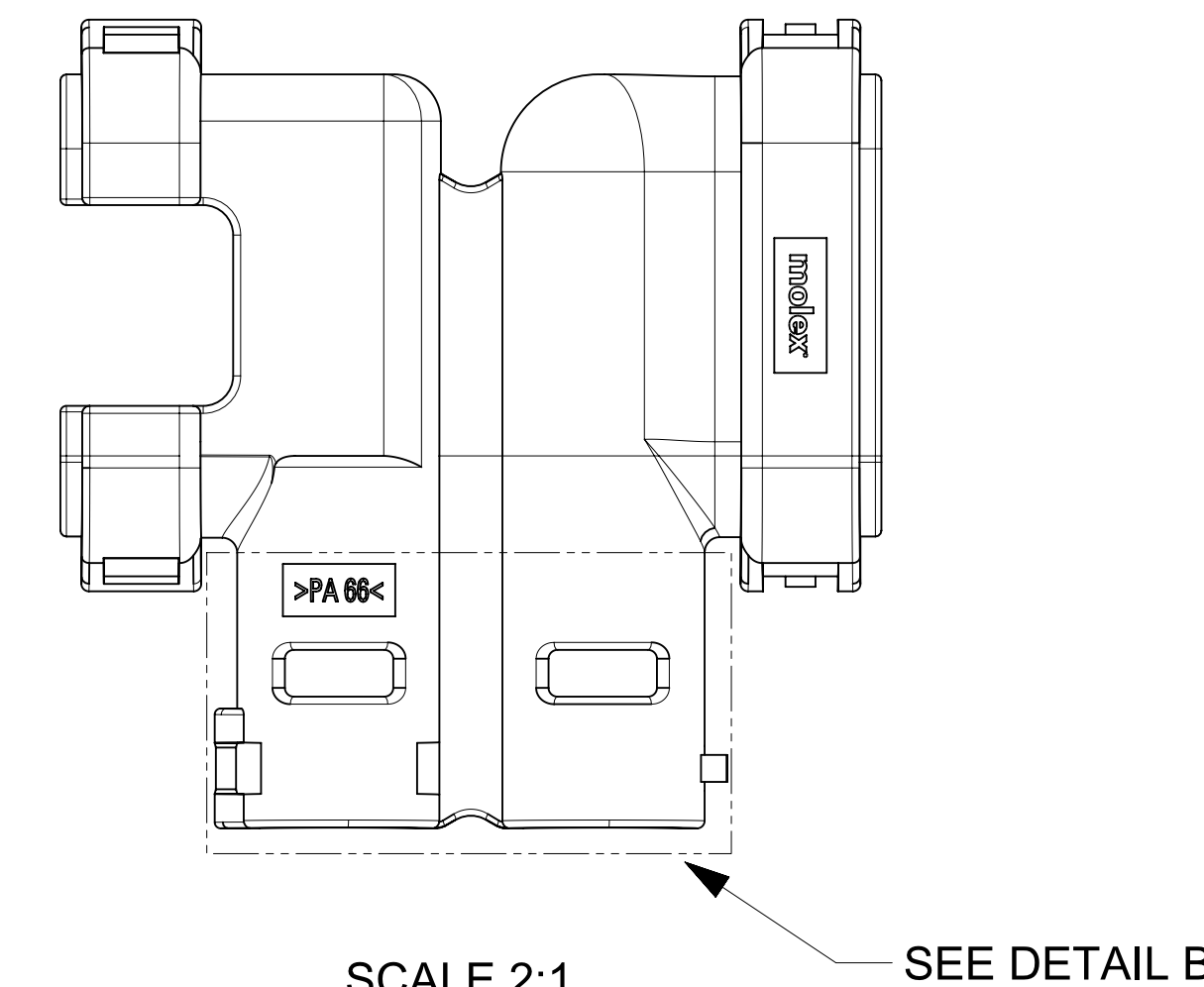
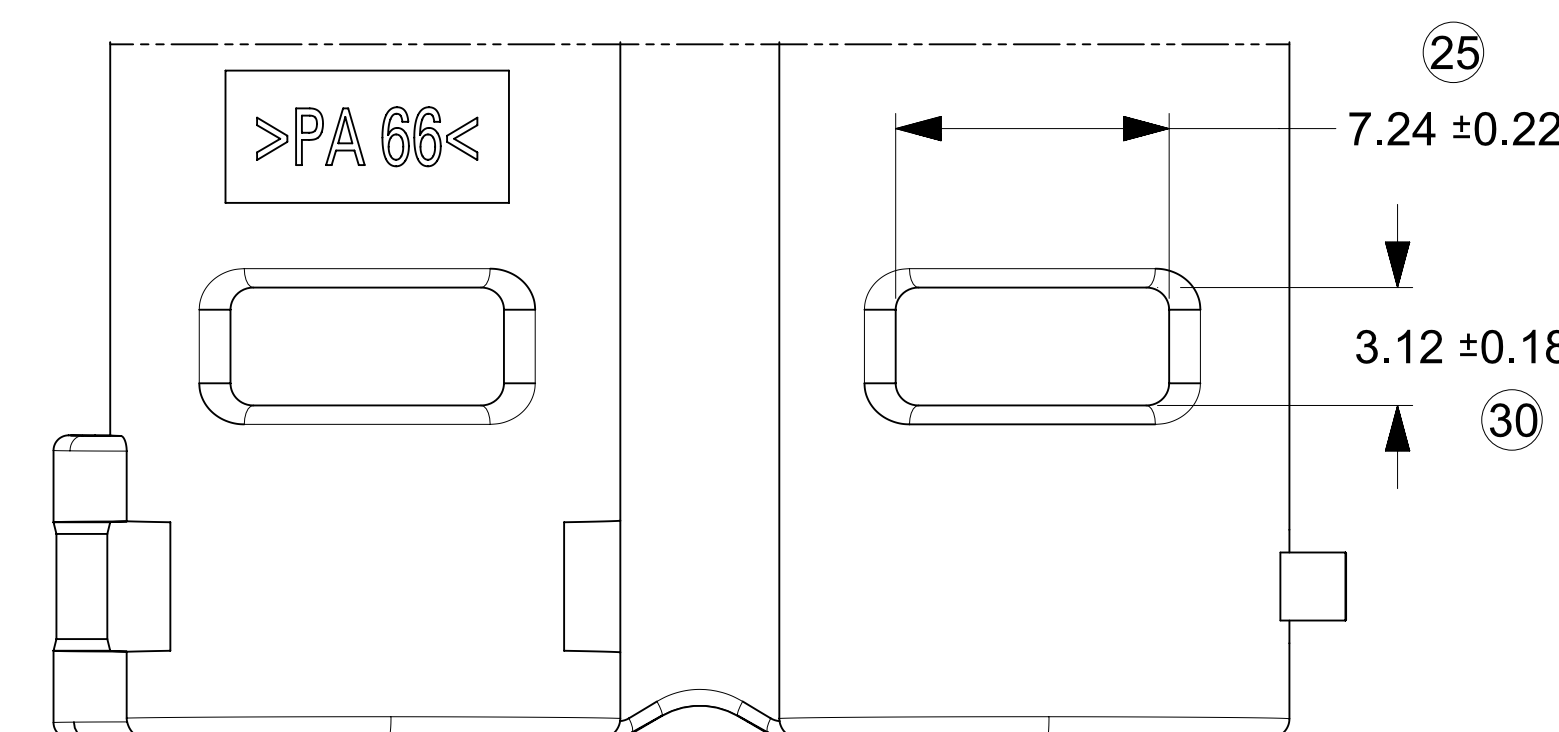
DESCRIPTION	DIMENSIONS					
	A	B	C	D	F	G
1X2 WIRE DRESS OPTION 1	20.50	7.40	6.00	1.40	2.20	61.0
1X2 WIRE DRESS OPTION 2	31.15	7.40	6.00	1.40	2.20	38.0
1X2 WIRE DRESS OPTION 3	31.15	7.40	6.00	1.40	2.20	38.0
1X3 WIRE DRESS OPTION 1	24.60	7.40	6.00	1.40	2.20	61.0
1X3 WIRE DRESS OPTION 2	33.30	7.40	6.00	1.40	2.20	38.0
1X3 WIRE DRESS OPTION 3	33.30	7.40	6.00	1.40	2.20	38.0
1X4 WIRE DRESS OPTION 1	30.16	10.60	7.50	0.90	2.70	71.1
1X4 WIRE DRESS OPTION 2	49.98	10.60	7.50	0.90	2.70	54.8
1X4 WIRE DRESS OPTION 3	49.98	10.60	7.50	0.90	2.70	54.8
1X6 WIRE DRESS OPTION 1	38.16	10.60	7.50	0.90	2.70	71.1
1X6 WIRE DRESS OPTION 2	53.98	10.60	7.50	0.90	2.70	54.8
1X6 WIRE DRESS OPTION 3	53.98	10.60	7.50	0.90	2.70	54.8



WIRE DRESS OPTION 2 AND 3



DETAIL A
SCALE 8:1



DETAIL B
SCALE 5:1

CABLE TIE ACCESS

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
<div>F_A = 0</div>		DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED TO NX, BALLOON NUMBERS ADDED				<div>molex</div>							
<div>F_C = 0</div>		mm		3:1													
<div>F_P = 0</div>		GENERAL TOLERANCES (UNLESS SPECIFIED)															
DIVISIONAL SYMBOLS		ANGULAR TOL ± 3°															
		4 PLACES		±													
		3 PLACES		±													
		2 PLACES		± 0.100													
		1 PLACE		± 0.30		STATUS: Production DRWN: Yuki Song 2023-02-01 CHK'D: Yuki Song 2025-04-24 APPR: Elvis Song 2025-04-24				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
		0 PLACES		±						SD-160091-0001		PSD	001	C2			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						<div><div></div><div></div></div>		D-SIZE		160091		SEE BOM		GENERAL MARKET		4 OF 4	