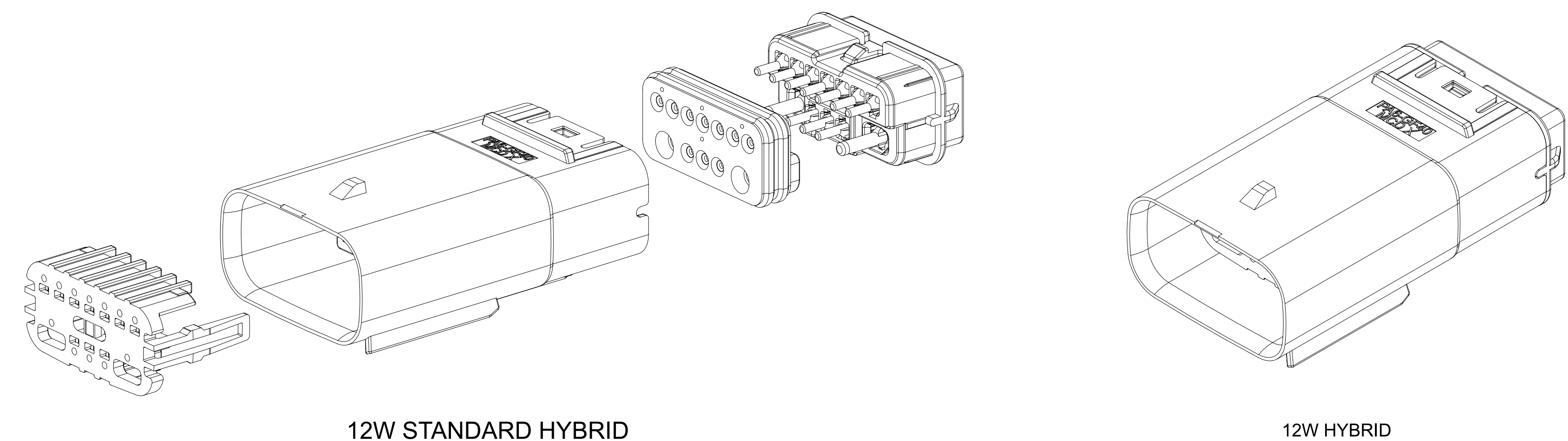


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	CONFIGURATIONS
3	KEY CONFIGURATIONS
4	BLADE CONNECTOR ASSEMBLY
5	SYSTEM PACKAGING
6	12W STANDARD HYBRID CONNECTOR BOM

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- 1.1 APPLICATION SPECIFICATION SEE: 1601110001-AS
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLE SHOOTING.
  - DESIGNED TO MATE WITH DEVICE OR CONNECTOR AS SPECIFIED IN THE MATING INTERFACE/CONNECTOR DRAWINGS CHART.
  - \*DENOTES DRAWINGS THAT CAN BE ACCESSED AT [http://ewcap.uscarteams.org/]
  - CLIPSLOT DESIGN IS BASED ON USCAR/EWCAP 11MM CLIP SLOT EWCAP-005-11 AND WILL ACCEPT CLIPS DESIGNED TO THAT INTERFACE
  - ASSEMBLY SHIPPED WITH THE FOLLOWING PARTS IN PRE-LOCK POSITION (PLR, CPA, ISL, LEVEL. SEE PRE-LOCK VIEW ON SHEET X).
- 1.2 PRODUCT SPECIFICATION SEE: 1601110001-PS
- CONTAINS: SCOPE, PRODUCT DESCRIPTION, INTEGRAL COMPONENTS AND ACCESSORIES, APPLICABLE DOCUMENTS AND SPECIFICATIONS, RATINGS, PERFORMANCE, PACKAGING, GAUGES AND FIXTURES, AND OTHER INFORMATION.
- 1.3 PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE TABLE
- 1.4 PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
- 1.5 DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
- 2.1 SEE BOM TABLE
3. DESIGN - GEOMETRY:
- 3.1 THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
- 3.2 THE 3-D CAD DATA IS MASTER FOR THIS PART AND IS TO BE USED TO ESTABLISH DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING. ANY DIMENSIONS UNDERLINED INDICATE A CONFLICT WITH THE MODEL.
- 3.3 PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
- 3.4 GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- 3.5 EDGES OF UNDEFINED SHAPE PER ISO 13715
- 3.6 CORNERS SHOWN AS SHARP TO BE R 0.2 MAX
- 3.7 LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD.
- THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
- 3.8 VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B).
- 3.7 LASER MARKING
- PART NUMBER
  - DAY OF THE YEAR
  - SHIFT
  - YEAR
- FOR ADDITIONAL INFORMATION SEE SECTION 5 UNDER PROCEDURES IN ES-34735-008.

DESCRIPTION	PACKAGING DRAWING NO.	MATING INTERFACE/CONNECTOR DRAWINGS	
		INTERFACE DEFINITION	MOLEX INLINE
12W STANDARD HYBRID	RPK-1601129000	PSD-1601110000	PSD-1601110000



12W STANDARD HYBRID

12W HYBRID

F3	ADDED NEW PN 160112-6055
F2	DIM 6 ADDED & CLIPSLOT NOTE ADDED
F1	ADDED NEW PN 160112-6054
F	REMOVED MXDaSH PRODUCTS. REFERENCE 3000920000 PSD FOR ALL MXDaSH BLADE INFORMATION.
E11	UPDATED PN SATUS FOR 300092-0001 & 300092-0005 FROM OKAY TO TOOL TO SALEABLE 10+2 PN'S 300092-0009 TO 300092-0015 ADDED
E9	ADDED PN FOR 300159-0014. UPDATED MISSING PN FROM 1601120000/E9 PDD. UPDATED PN FOR E8 REV TO 300159-0016 & E9 REV TO 300159-0017
E8	ADDED PART NUMBER FOR 300159-0013
E7	ADDED NEW PN 160112-6053
E6	10+1+1 PN'S 300159-0013,300159-0014, & 300159-0015 REMOVED
E5	MINIMUM PASS THROUGH UPDATED 10+1+1 KEY A COMPONENT'S STATUS UPDATED TO SALEABLE
E4	MSDaSH 10+2 & 10+1+1 MATERIAL UPDATED FROM PA6-GF40 TO PA66-GF35 10+1+1 KEY A COMPONENT'S STATUS UPDATED TO SALEABLE FOR INTERIM PPAP 300159-0013 UPDATED FROM OKAY TO TOOL TO OBSOLUTE 10+1+1 PN'S 300159-0014 AND 300159-0015 ADDED
E3	ADD NEW PN 160112-6051 AND 160112-6052 UPDATED 10+1+1/10+2 HOUSING MATERIAL TO PA66 GF35
E2	ADD NEW PN 160112-6049 AND 160112-6050
E1	ADD NEW PN 160112-6048, 300159-0013
E	ADDED BOM FOR SERIES 300092 & 300159
D7	ADD NEW PN 160112-6047
D6	ADD NEW PN 160112-6046
D5	ADD NEW PN 160112-6045
D4	ADD NEW PN 160112-6044
D3	ADD NEW PN 160112-6043
D2	ADD NEW PN 160112-6042
D1	ADD NEW PN 160112-6041
D	ADD NEW PN 160112-6039 AND 160112-6040
C2	UPDATED NOTES
C1	CHANGE DOCUMENT TYPE FROM RSD TO SD
C	ADD NEW PN 160112-6030 THRU 6038
B	UPDATED INFORMATION TO PRODUCTION LEVEL
A2	ADDED NEW PN. 160112-6023 160112-6024 160112-6025 160112-6026 160112-6027 160112-6028 160112-6029
A1	ADDED NEW PN. 160112-6022
A	INITIAL RELEASE
REV	REV DESCRIPTION

INSPECTION NUMBER LOG	
LAST NUMBER: 5	

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE	
	DIMENSION UNITS	SCALE		
$F_A = 0$	mm	2:1		
$F_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
$F_P = 0$	ANGULAR TOL $\pm$ 0.5°			
DIVISIONAL SYMBOLS	4 PLACES	$\pm$		
	3 PLACES	$\pm$		
	2 PLACES	$\pm$		
	1 PLACE	$\pm$		
	0 PLACES	$\pm$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			D-SIZE	160112
		STATUS: Production		
		DRWN: Srikanth CV		2025-05-26
		CHK'D: Chaitra D		2025-05-29
		APPR: Guranandan GA		2025-05-29
		MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		1601120000	SEE TABLE	1 OF 6
		DOCUMENT NUMBER	DOC TYPE	DOC PART
		1601120000	PSD	000
				F3

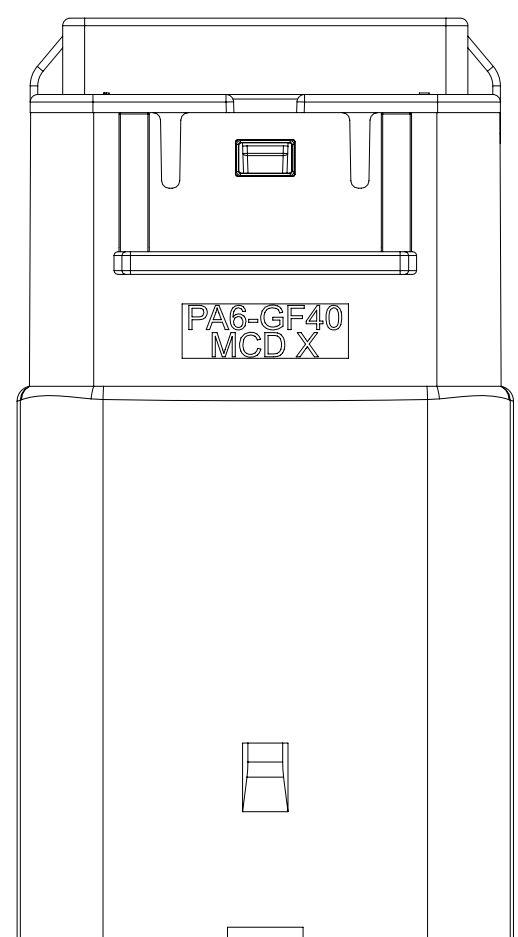
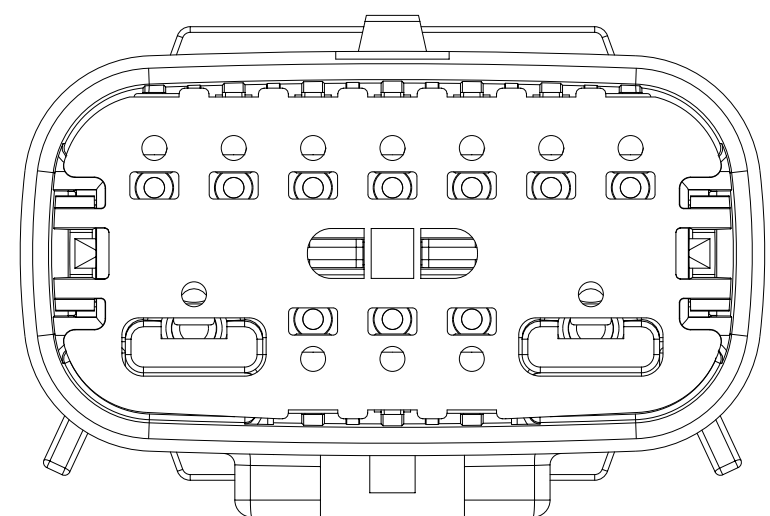


MX150 HYBRID MAT SEAL BLD CONN ASM SALES

PRODUCT CUSTOMER DRAWING

SHEET DESCRIPTION

CONFIGURATIONS



12W HYBRID

<b>FUNCTIONAL SYMBOLS</b> $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_D = 0$ <b>DIVISIONAL SYMBOLS</b>	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: SEE REVISION TABLE
	mm	2:1	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		
	ANGULAR TOL $\pm$ 0.5°		
	4 PLACES	$\pm$	
3 PLACES	$\pm$		
2 PLACES	$\pm$		
1 PLACE	$\pm$		
0 PLACES	$\pm$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	STATUS: Production DRWN: Srikanth CV CHK'D: Chaitra D APPR: Gurunandan GA
		DIMENSION UNITS: mm SCALE: 2:1 CURRENT REV DESC: SEE REVISION TABLE	2025-05-26 2025-05-29 2025-05-29
D-DRAWING		SERIES	DOCUMENT NUMBER 1601120000 PSD 000 F3
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER 2 OF 6
SEE TABLE			

**molex**

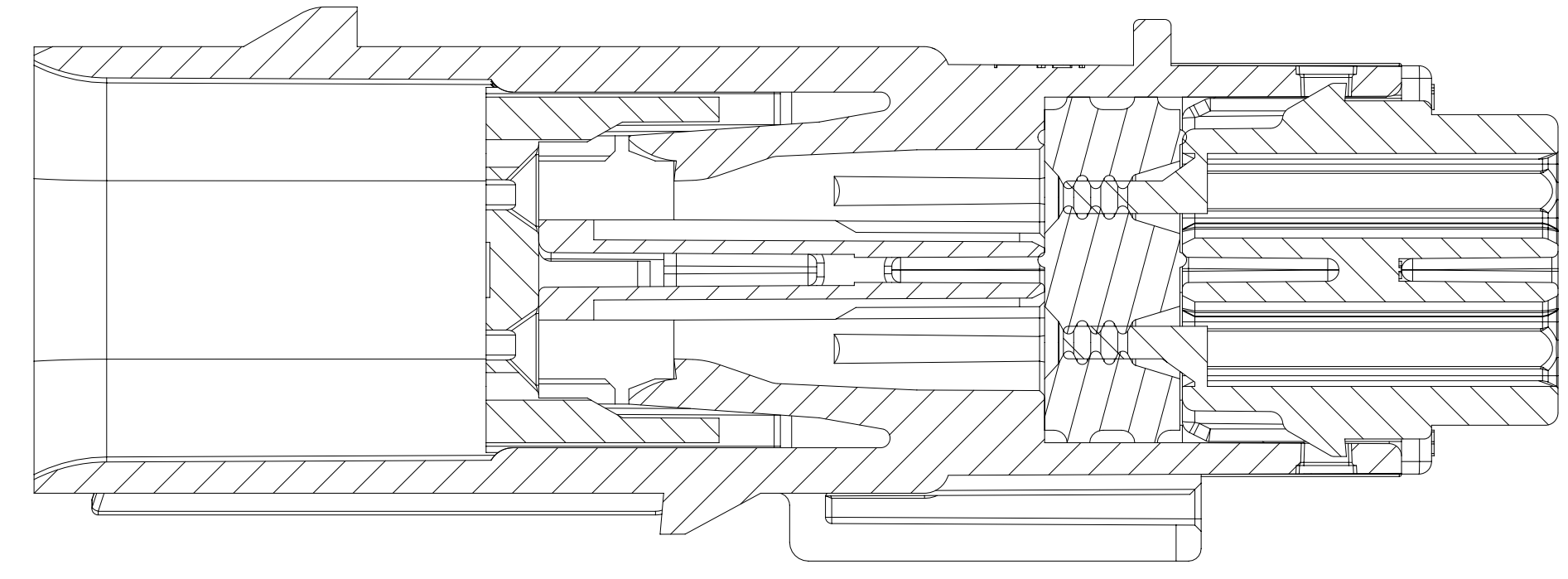
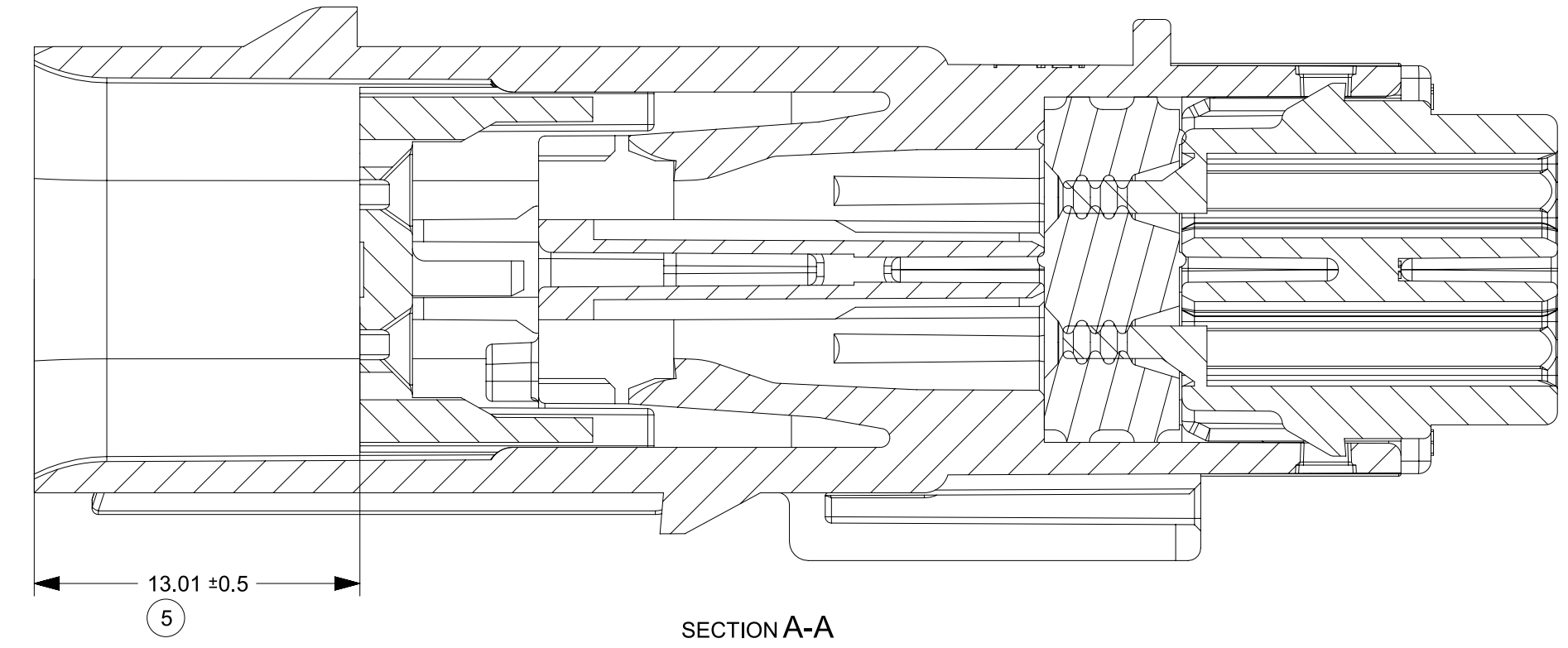
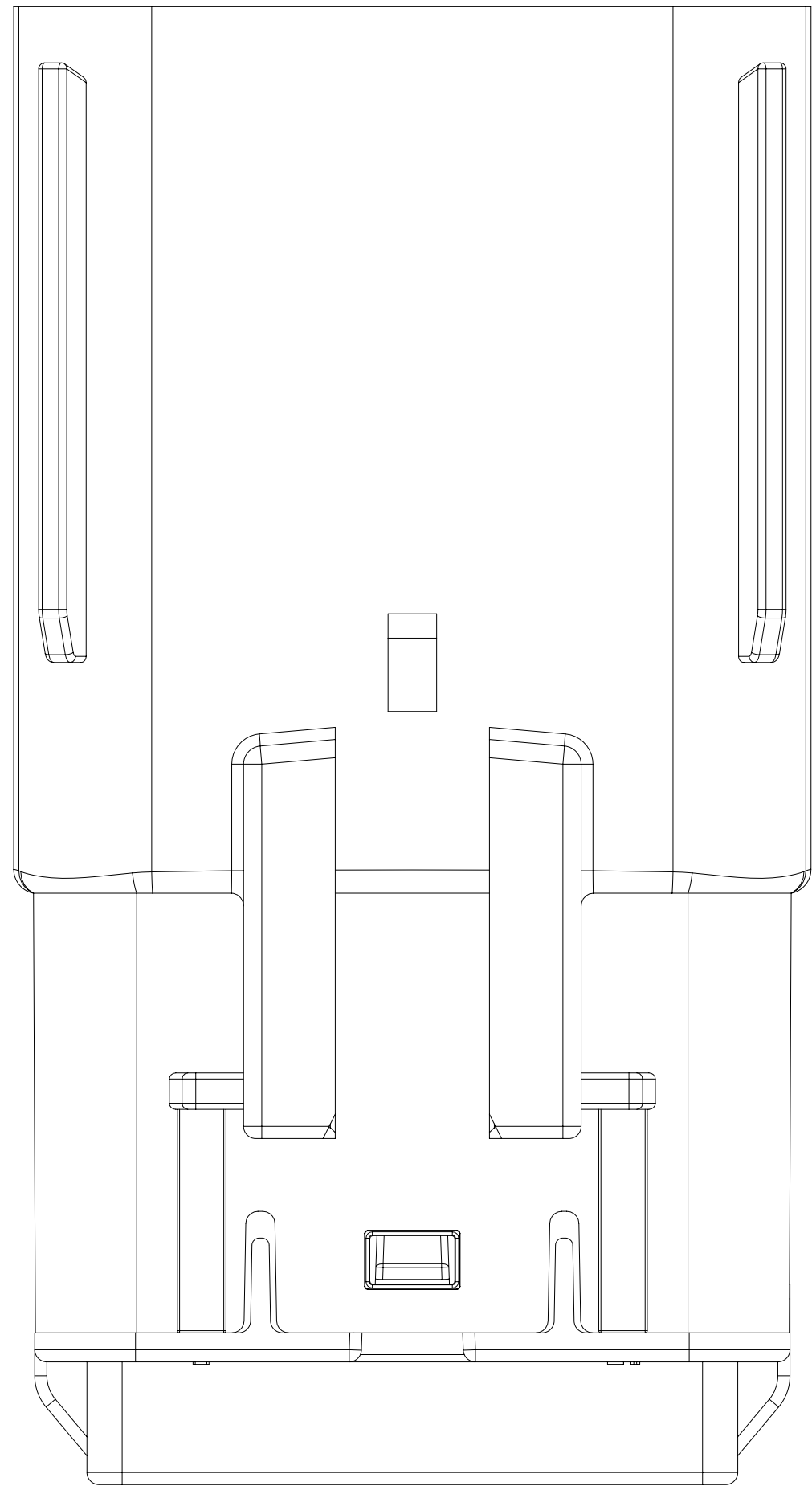
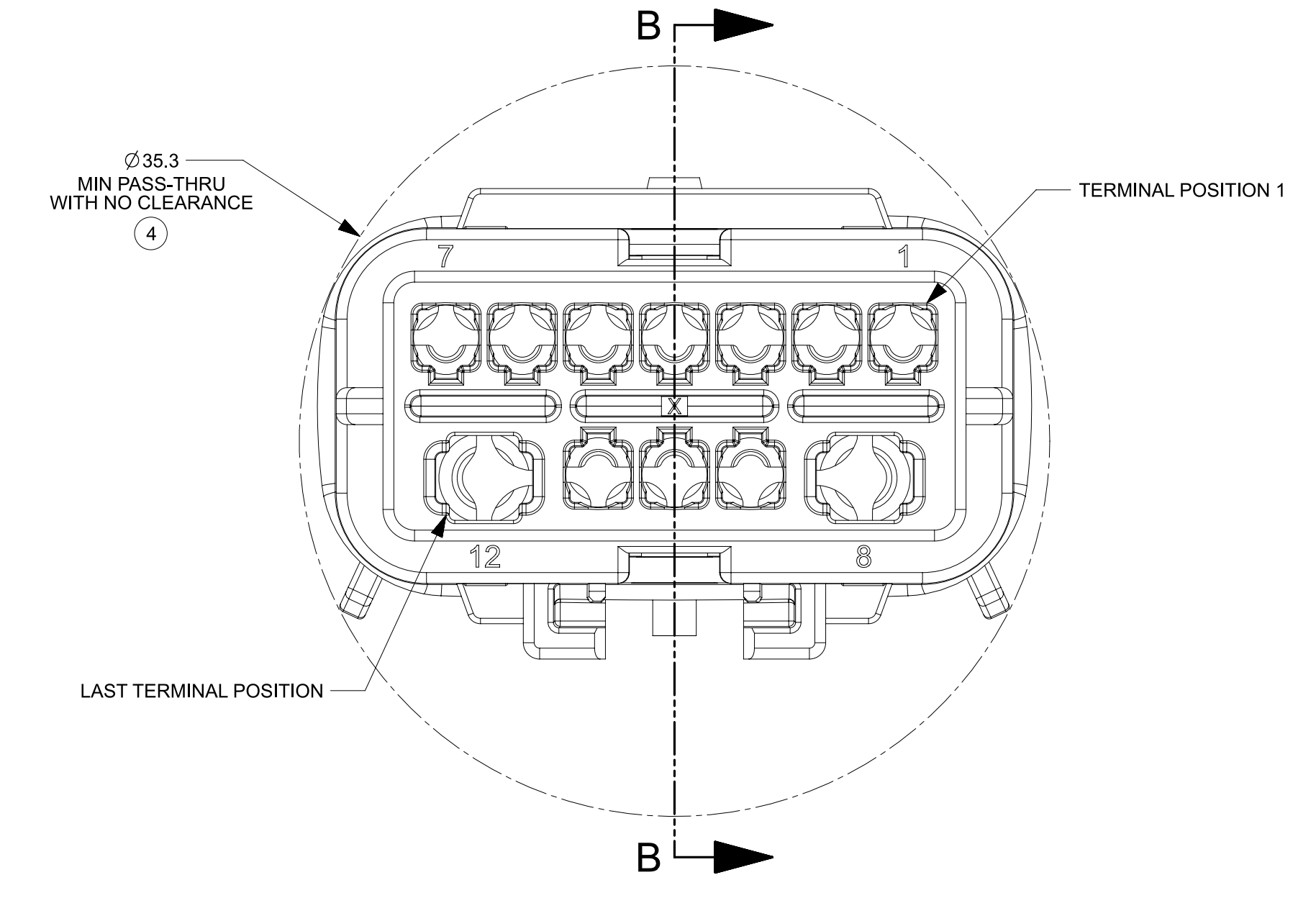
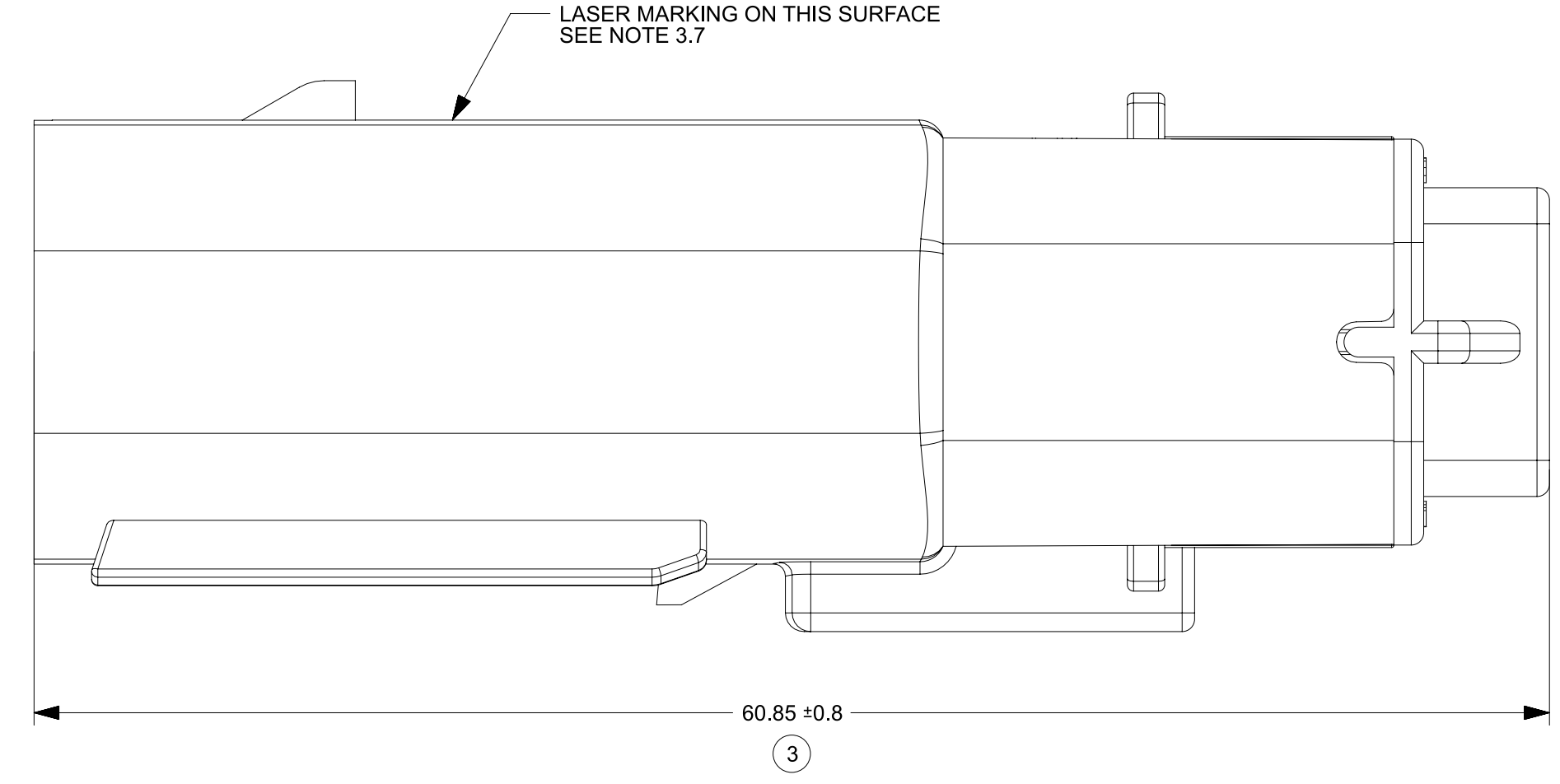
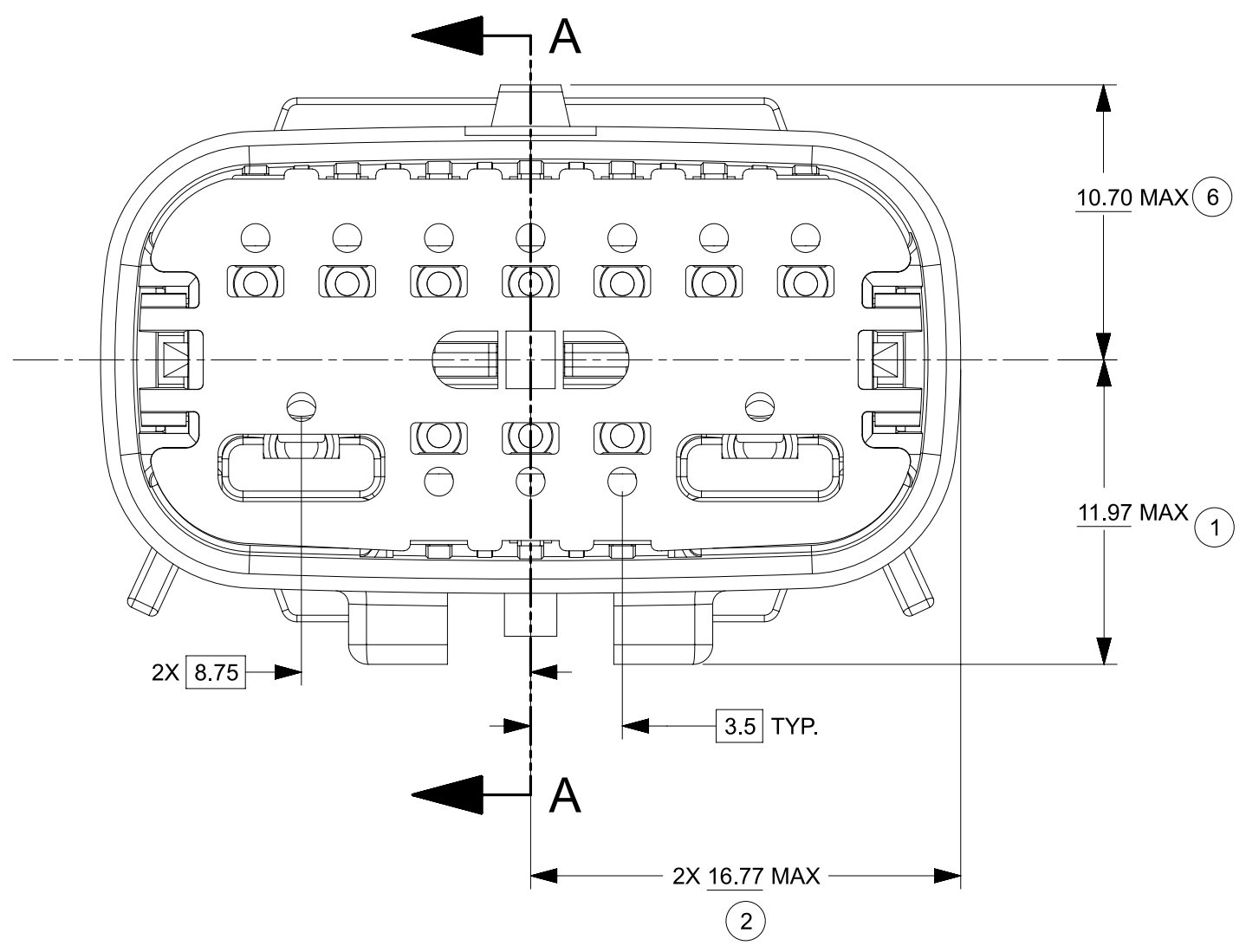
MX150 HYBRID MAT SEAL BLD CONN ASM SALES

PRODUCT CUSTOMER DRAWING

CONT.

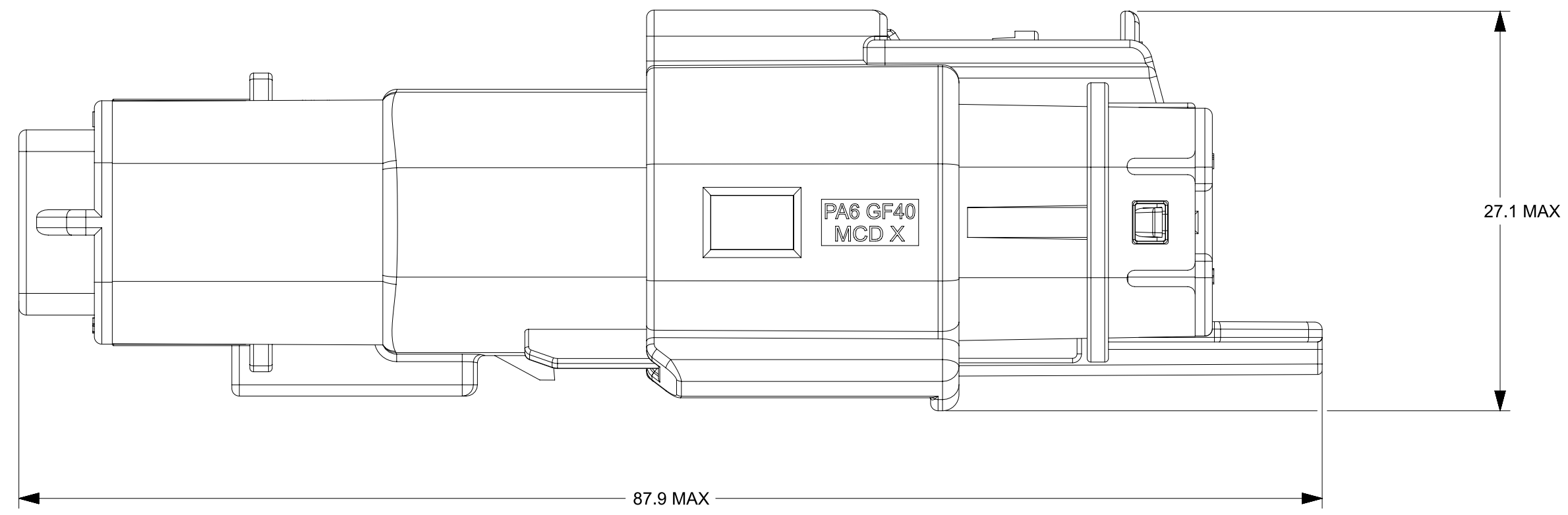


**SHEET DESCRIPTION**  
**BLADE CONNECTOR ASSEMBLY**

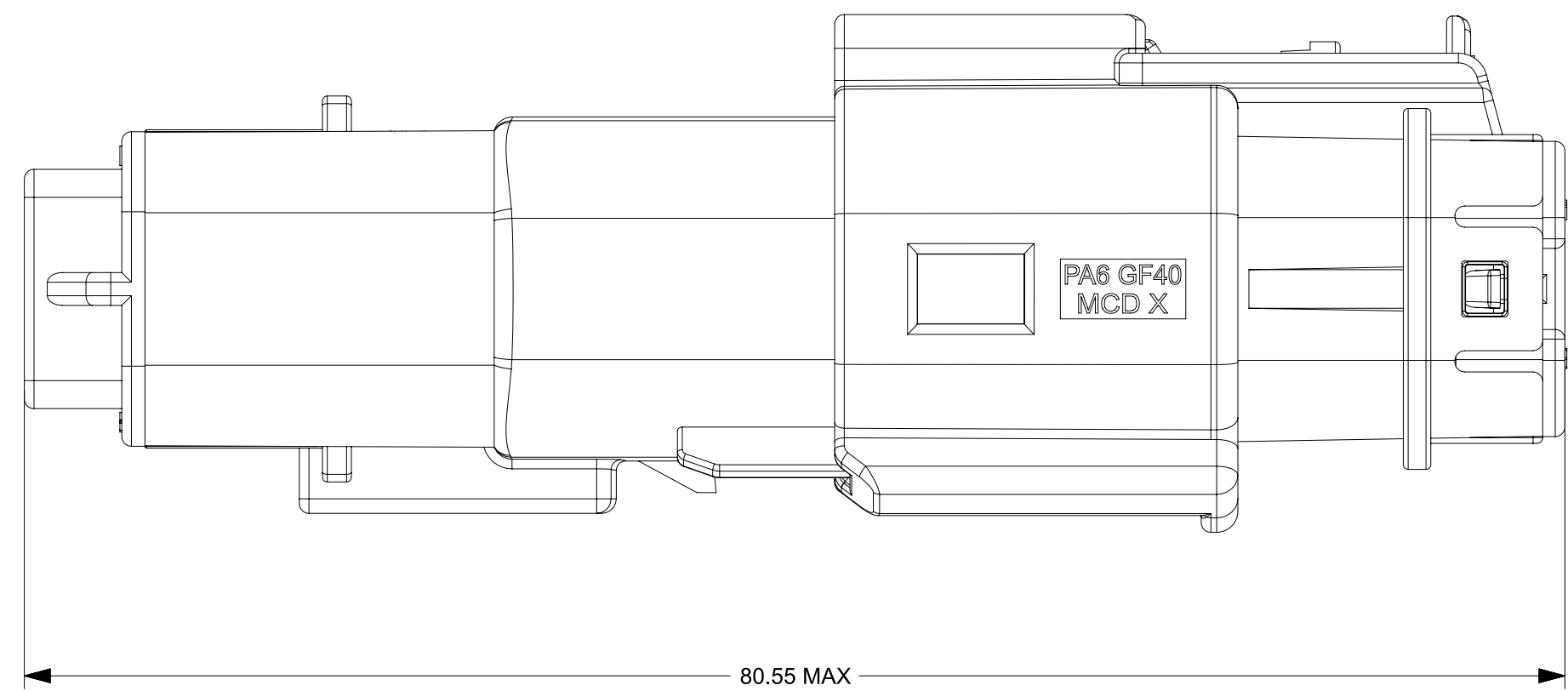


<b>FUNCTIONAL SYMBOLS</b> FA = 0 FE = 0 FP = 0 <b>DIVISIONAL SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE			
	DIMENSION UNITS: mm	SCALE: 4:1	<div style="text-align: center; font-size: 2em; font-weight: bold;">molex</div> MX150 HYBRID MAT SEAL BLD CONN ASM SALES  PRODUCT CUSTOMER DRAWING			
	GENERAL TOLERANCES (UNLESS SPECIFIED)					
	ANGULAR TOL ± 0.5°					
4 PLACES ±						
3 PLACES ±		STATUS: Production	2025-05-26	DOC TYPE: PSD	DOC PART: 000	REVISION: F3
2 PLACES ±		DRWN: Srikanth CV	2025-05-29	DOCUMENT NUMBER: 1601120000		
1 PLACE ±		CHK'D: Chaitra D	2025-05-29			
0 PLACES ±		APPR: Gurunandan GA	2025-05-29	MATERIAL NUMBER: SEE TABLE		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: D-SIZE			

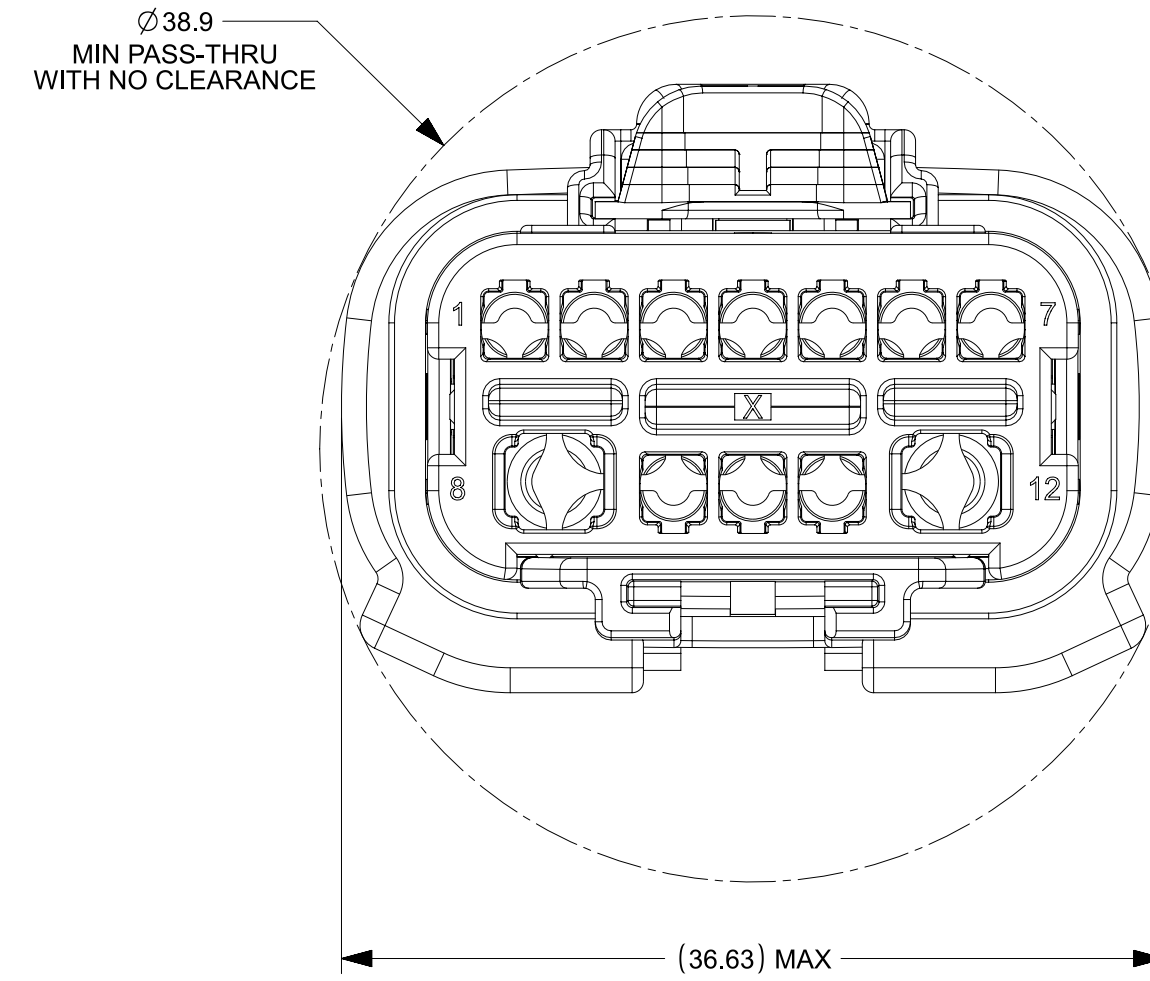
SHEET DESCRIPTION  
SYSTEM PACKAGING



WITH EXTENDED CLIPSLOT RECEPTACLE HOUSING



NON CLIPSLOT RECEPTACLE HOUSING



<b>FUNCTIONAL SYMBOLS</b> $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_D = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE		
	DIMENSION UNITS	SCALE			
	GENERAL TOLERANCES (UNLESS SPECIFIED)				
	ANGULAR TOL $\pm 0.5^\circ$				
<b>DIVISIONAL SYMBOLS</b> 4 PLACES $\pm$ 3 PLACES $\pm$ 2 PLACES $\pm$ 1 PLACE $\pm$ 0 PLACES $\pm$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
				<b>D-SIZE</b>	<b>160112</b>
STATUS: Production			2025-05-26	DOCUMENT NUMBER	
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CHK'D: Chaitra D			2025-05-29	PSD	000
APPR: Gurunandan GA			2025-05-29	F3	
MATERIAL NUMBER			CUSTOMER	SHEET NUMBER	
SEE TABLE				5 OF 6	

