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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: SCORPEL PRODUCT DESCRIPTION

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 REMOVING CODE ON "TEXT" VENDOR IDENTIFIC

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

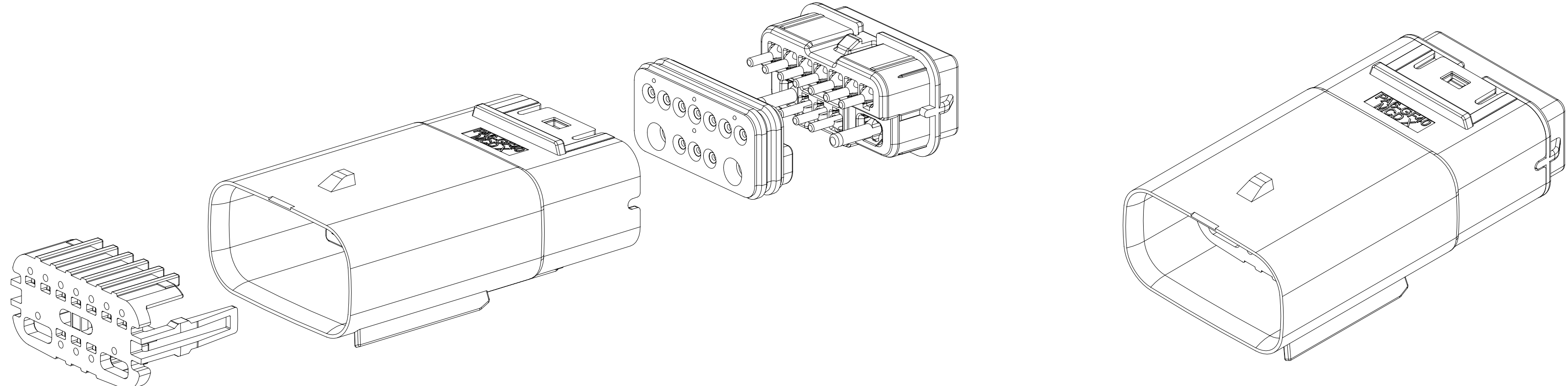
1. PART NUMBER

2. DAY OF THE YEAR

3. SHIF 1
4. YEAR

4. YEAR FOR AD

FOR ADDITIONAL INFORMATION SEE SECTION 5 UNDER PROCEDURES IN ES-34733-008.



12W STANDARD HYBRID

12W HYBRID

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

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 P/N'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 P/N'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 P/N'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

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				molex MX150 HYBRID MAT SEAL BLD CONN ASM SALES			
F/A = 0 F/C = 0 F/P = 0		mm		SCALE 2:1		STATUS: Production DRWN: Srikanth CV2025-05-26 CHK'D: Chaitra D2025-05-29 APPR: Gurunandan GA2025-05-29							
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 0.5°											
4 PLACES ±													
3 PLACES ±													
2 PLACES ±													
DIVISIONAL SYMBOLS		1 PLACES ±				PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER1601120000 DOC TYPEPSDDOC PART000REVISIONF3							
0 PLACES ±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				D-SIZE		160112		SEE TABLE				1 OF 6	

L

K

J

H

G

F

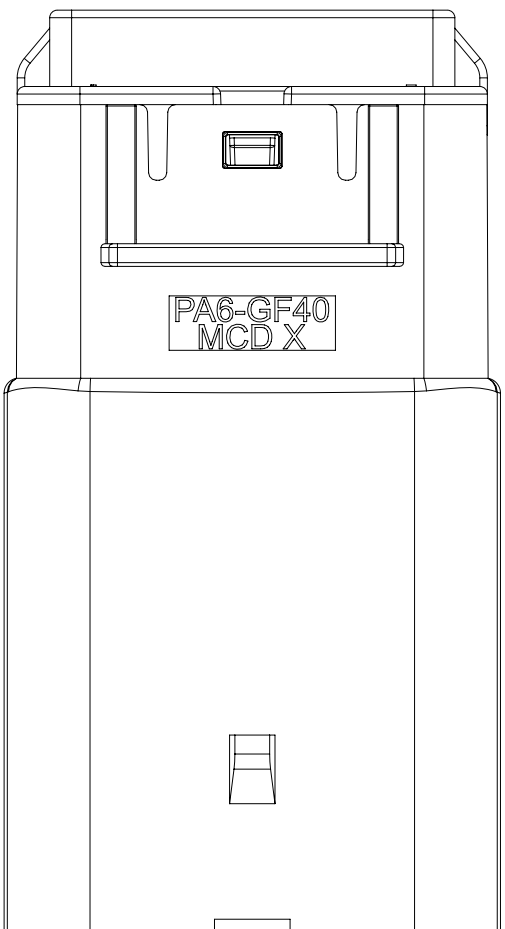
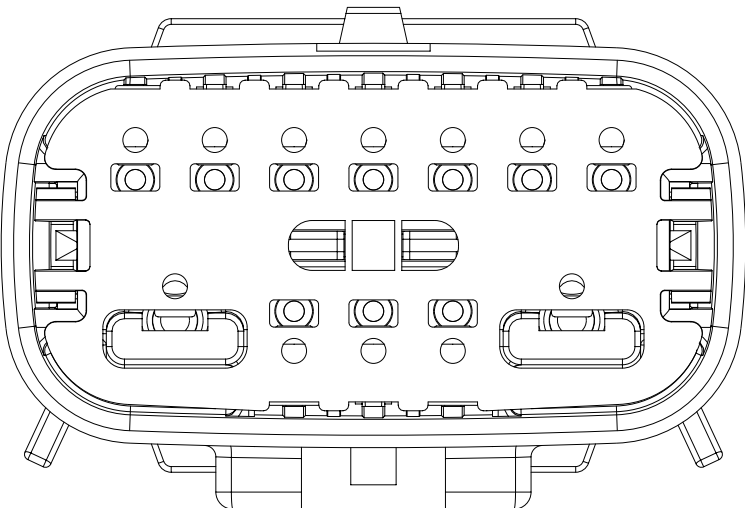
E

D

C

B

A

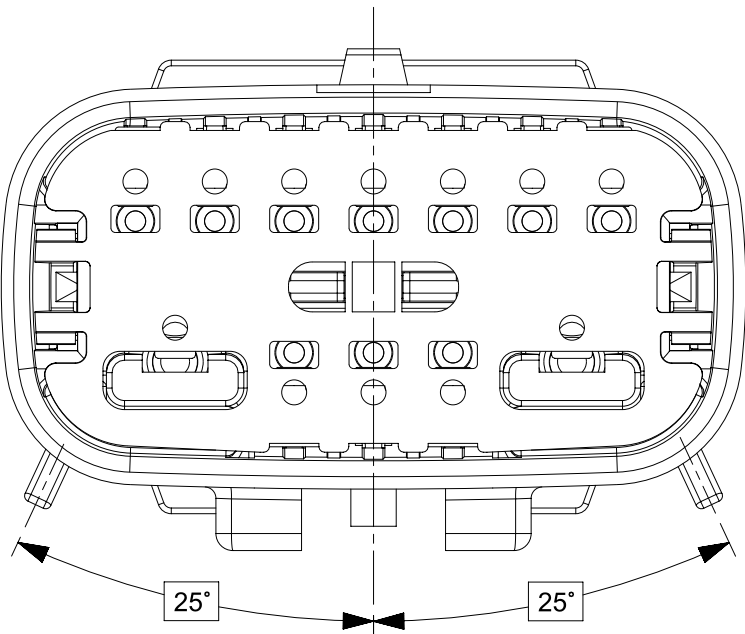


12W HYBRID

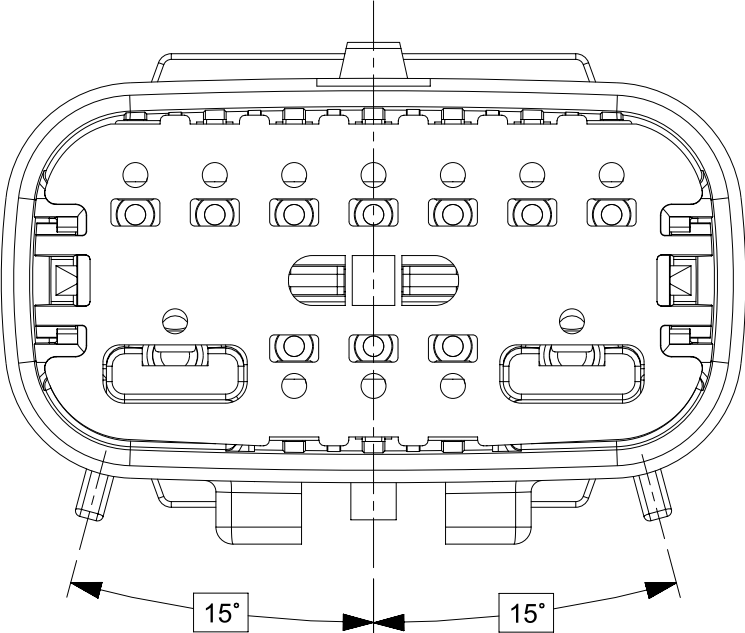
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FA = 0		mm		2:1							
FC = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)									
FP = 0		ANGULAR TOL ± 0.5°									
DIVISIONAL SYMBOLS		4 PLACES ±		SEE NOTES							
		3 PLACES ±									
		2 PLACES ±									
		1 PLACES ±									
		0 PLACES ±		STATUS: Production		DRWN: Srikanth CV		2025-05-26			
				CHK'D: Chaitra D		2025-05-29					
				APPR: Gurunandan GA		2025-05-29					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						D-SIZE		160112		SEE TABLE	
										CUSTOMER	
										SHEET NUMBER	
										2 OF 6	

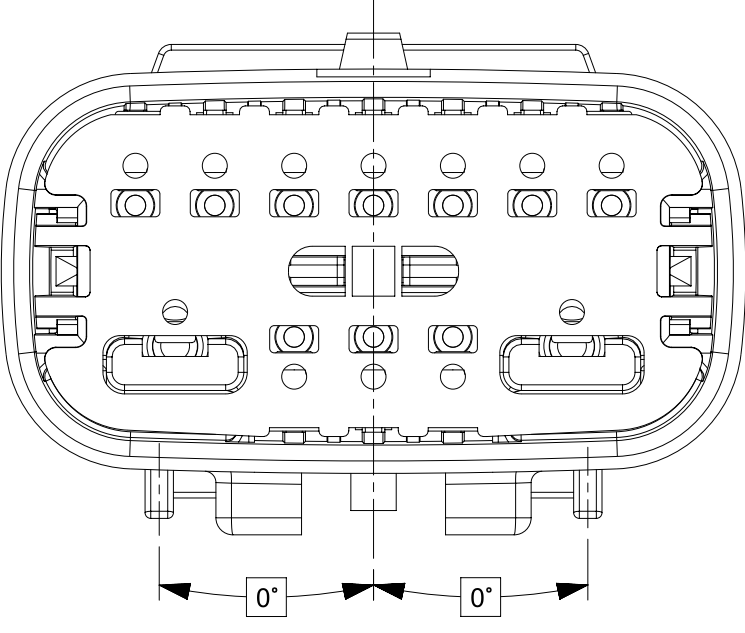
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M	SHEET DESCRIPTION																			
	KEY CONFIGURATIONS																			
L																				
K																				
J																				
H																				
G																				
F																				
E																				
D																				
C																				
B																				
A																				
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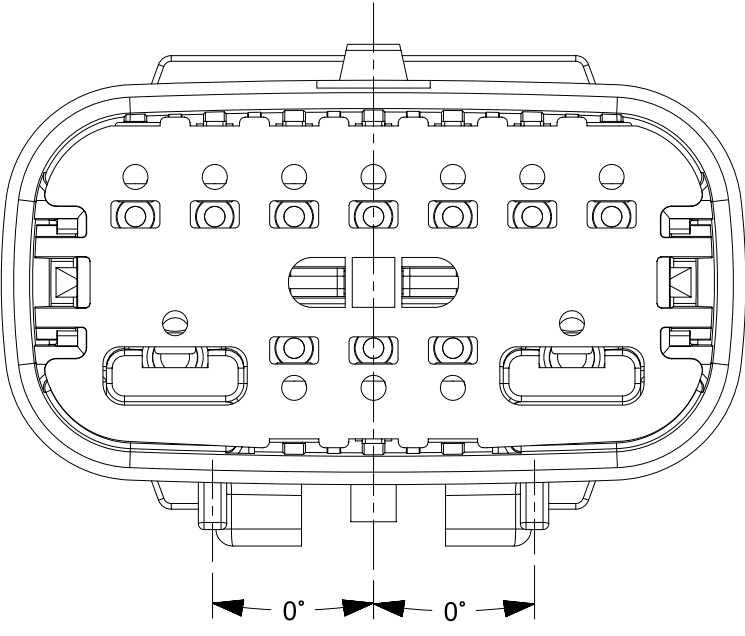
KEY A



KEY B



KEY C



KEY D

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										molex MX150 HYBRID MAT SEAL BLD CONN ASM SALES									
F A = 0		DIMENSION UNITS		mm		SCALE		3:1		STATUS: Production DRWN: Srikanth CV CHK'D: Chaitra D APPR: Gurunandan GA 2025-05-26 2025-05-29 2025-05-29 THIRD ANGLE PROJECTION DRAWING D-SIZE SERIES 160112																					
F C = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)																													
F P = 0		ANGULAR TOL ± 0.5°																													
DIVISIONAL SYMBOLS		4 PLACES		±																											
		3 PLACES		±																											
		2 PLACES		±																											
		1 PLACE		±																											
0 PLACES		±						PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 1601120000 DOC TYPE PSD DOC PART 000 REVISION F3																							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIRD ANGLE PROJECTION												DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
												D-SIZE		160112		SEE TABLE		3 OF 6													

molex

MX150 HYBRID MAT SEAL BLD CONN ASM SALES

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1601120000

DOC TYPE

PSD

DOC PART

000

REVISION

F3

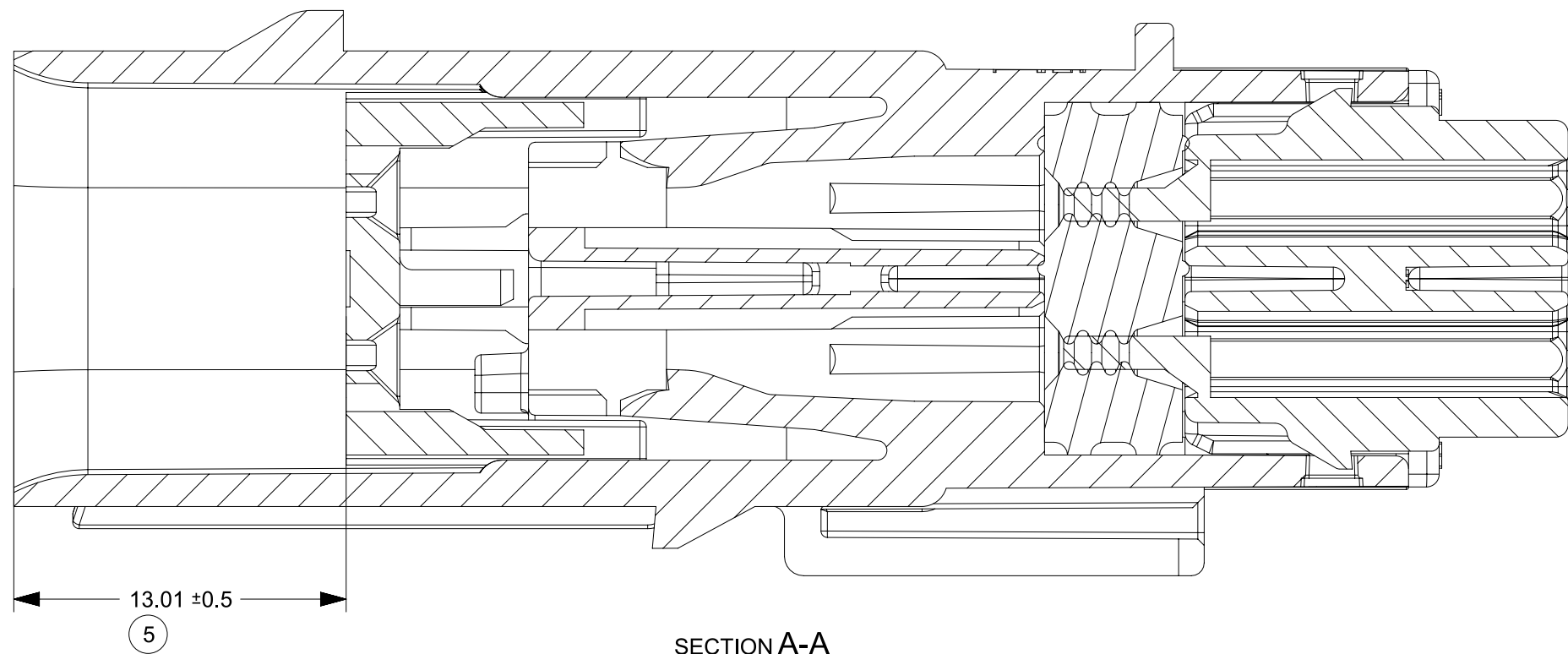
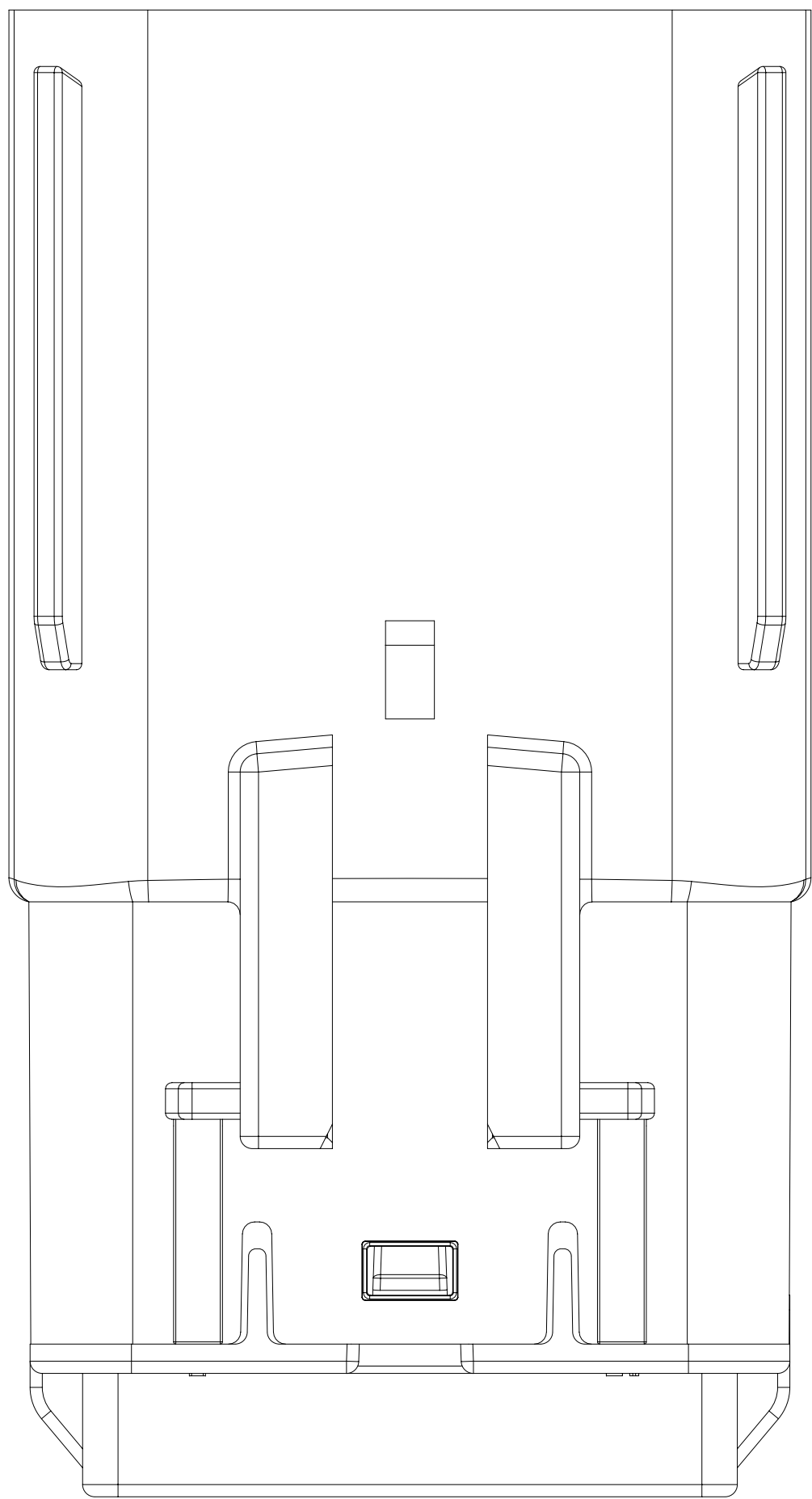
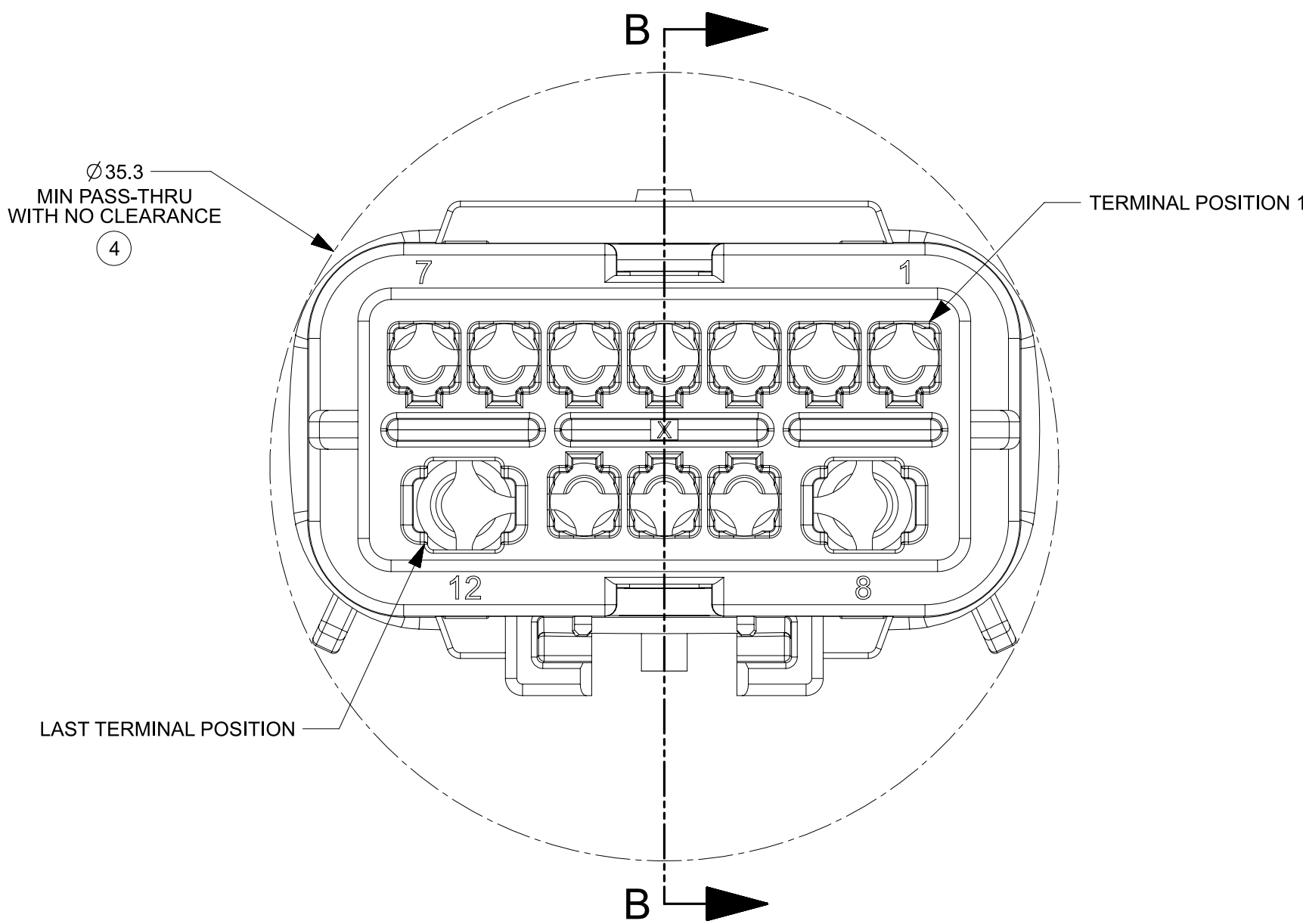
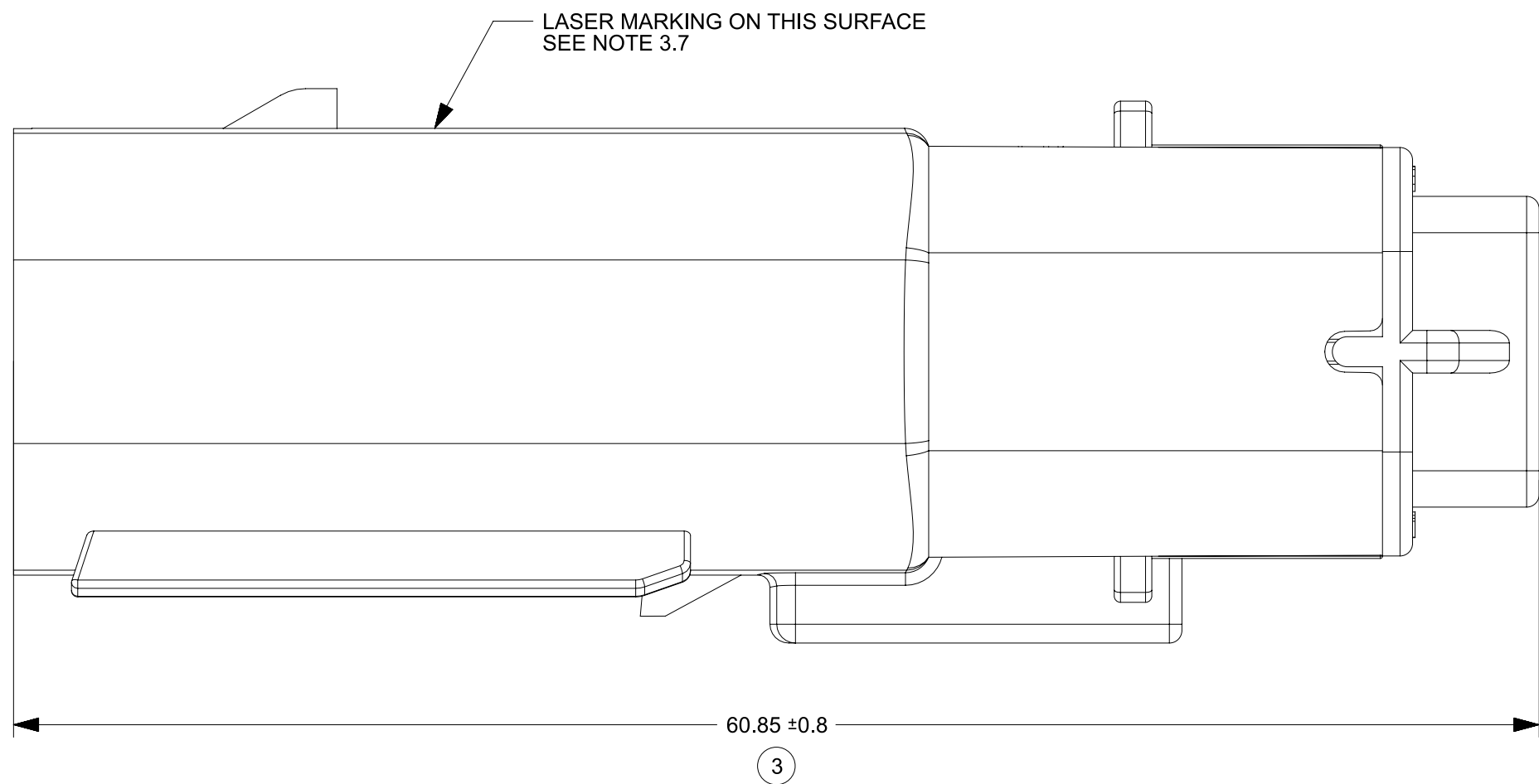
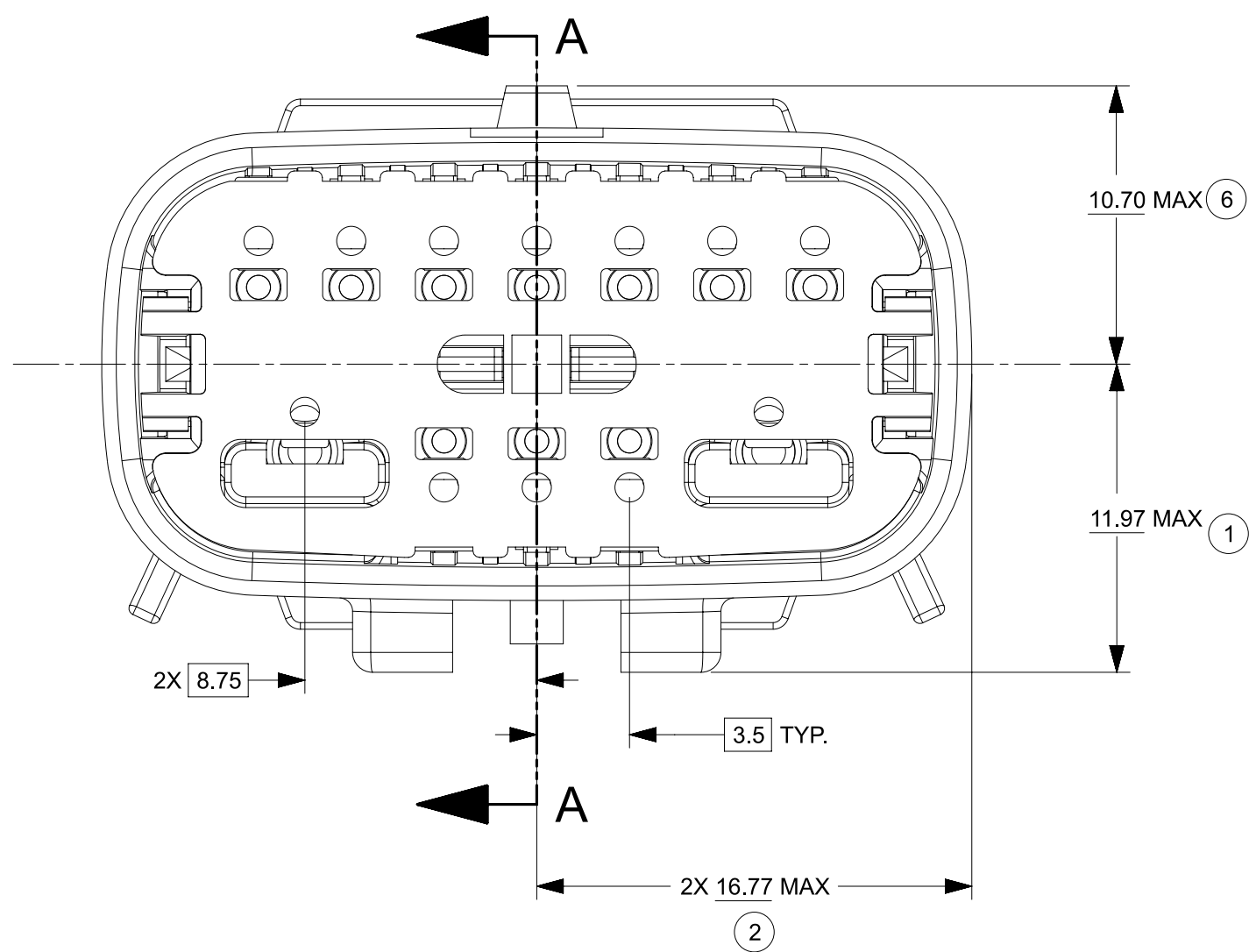
MATERIAL NUMBER

SEE TABLE

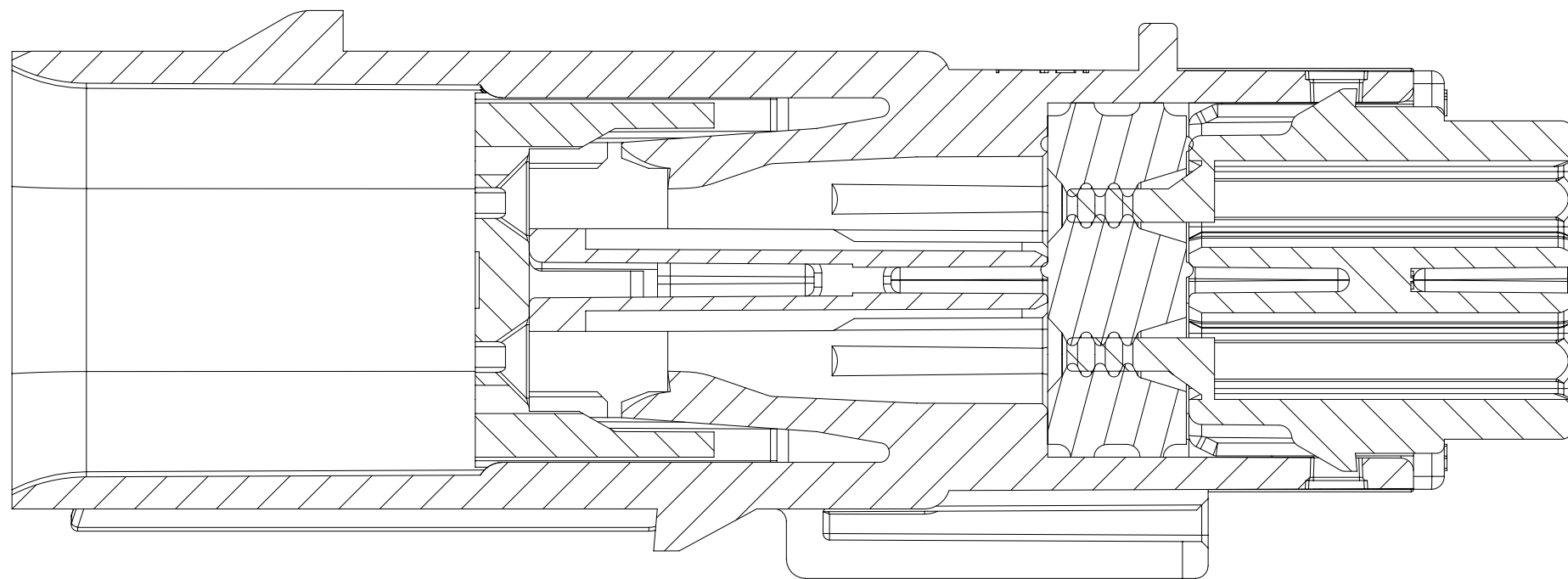
CUSTOMER

SHEET NUMBER

3 OF 6

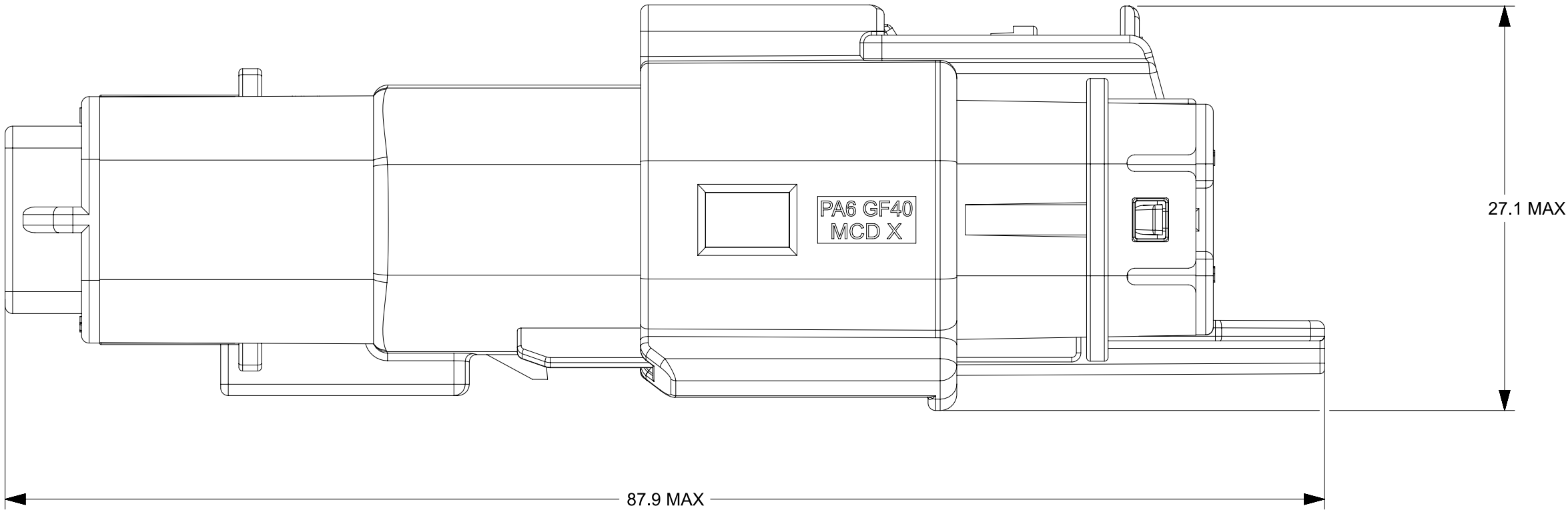


SECTION A-A
PRIMARY LOCK REINFORCER (PLR) SHOWN
IN PRE-STAGE POSITION

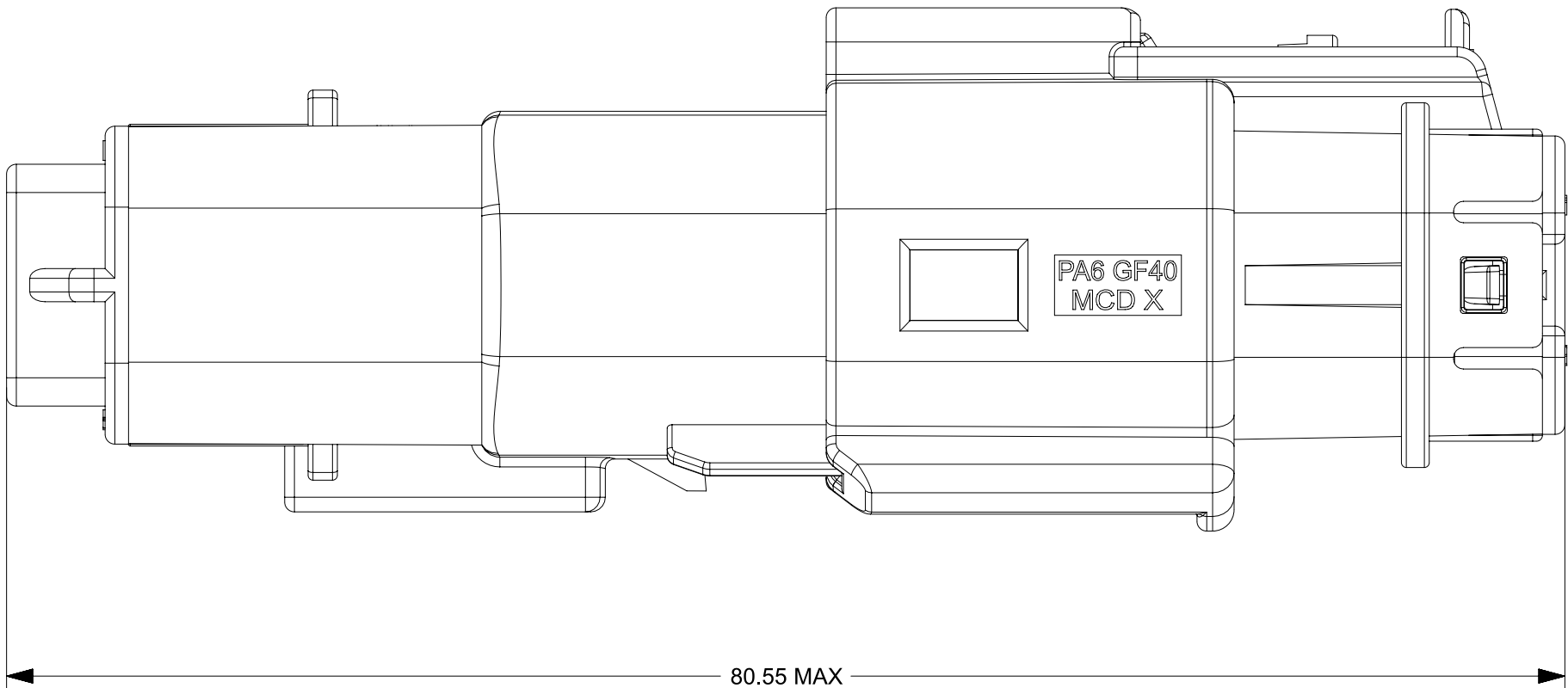


SECTION B-B
PRIMARY LOCK REINFORCER (PLR) SHOWN
IN FINAL-STAGE POSITION

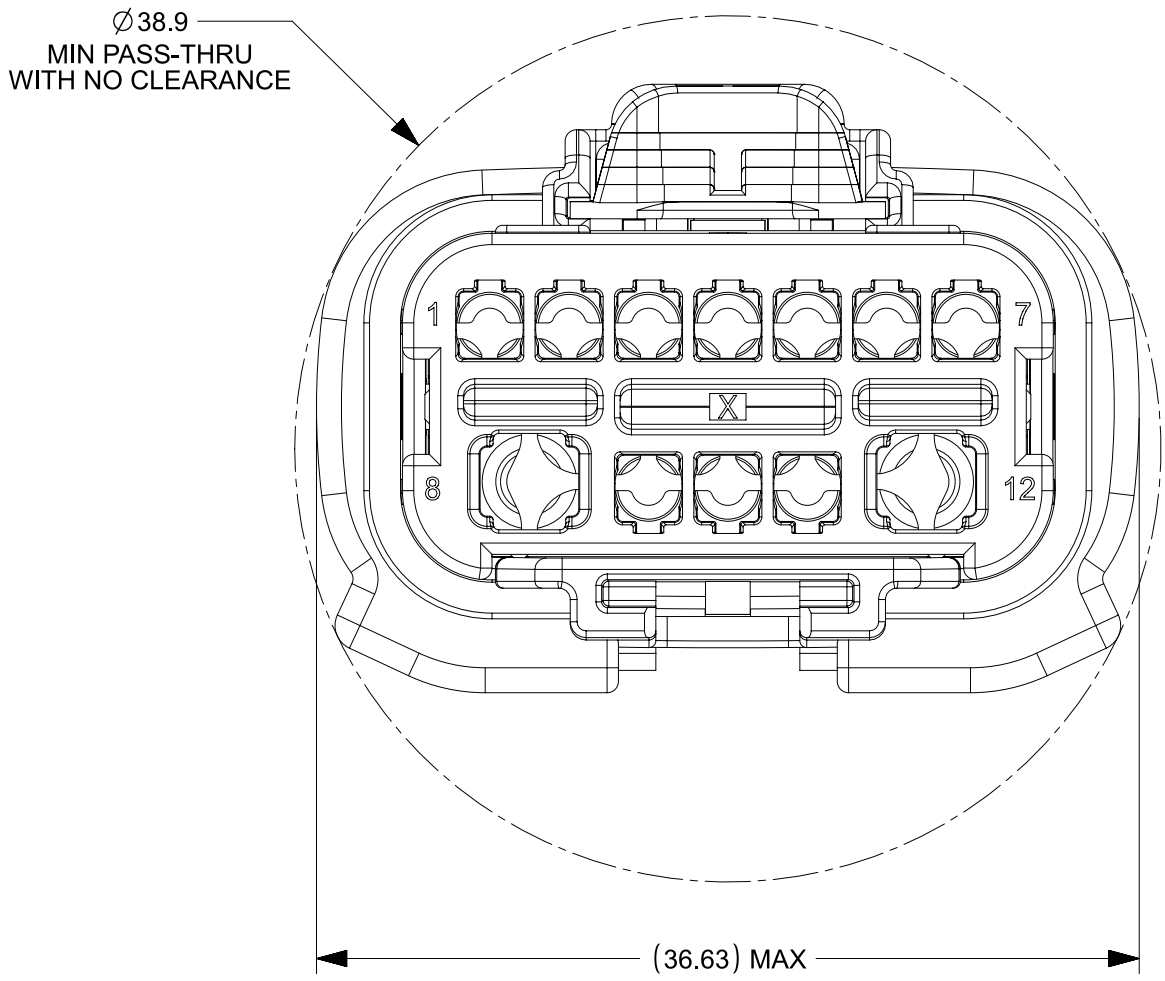
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
F A = 0 F C = 0 F P = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE					molex					
	mm		4:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
ANGULAR TOL ± 0.5°															
4 PLACES		±													
DIVISIONAL SYMBOLS	3 PLACES		±		STATUS: Production DRWN: Srikanth CV 2025-05-26 CHK'D: Chaitra D 2025-05-29 APPR: Gurunandan GA 2025-05-29					MX150 HYBRID MAT SEAL BLD CONN ASM SALES					
	2 PLACES		±												
	1 PLACE		±												
	0 PLACES		±												
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									THIRD ANGLE PROJECTION		DRAWING		SERIES	
						D-SIZE		160112		SEE TABLE				4 OF 6	



WITH EXTENDED CLIPSLOT RECEPTACLE HOUSING



NON CLIPSLOT RECEPTACLE HOUSING



FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL 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				molex MX150 HYBRID MAT SEAL BLD CONN ASM SALES			
	DIMENSION UNITS	SCALE		STATUS: Production DRWN: Srikanth CV CHK'D: Chaitra D APPR: Gurunandan GA 2025-05-26 2025-05-29 2025-05-29							

