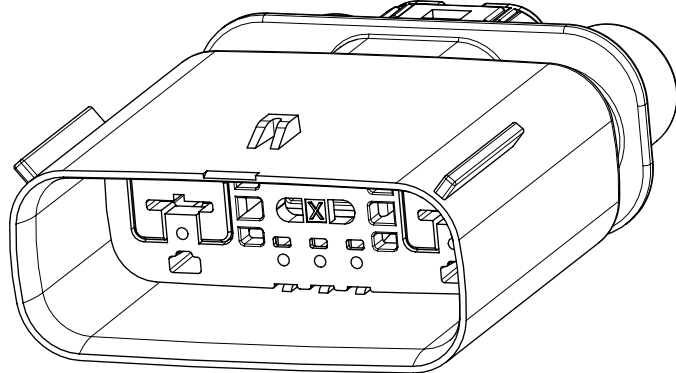
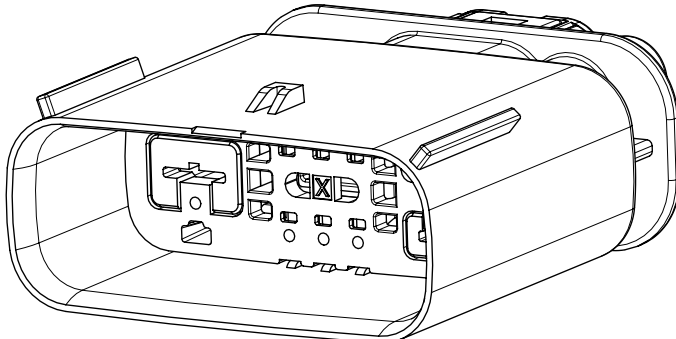


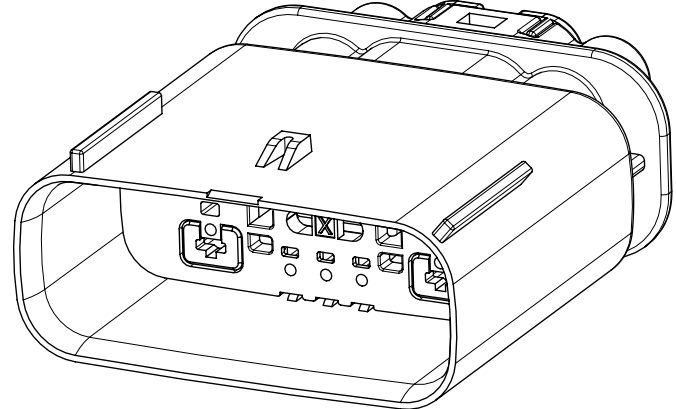
17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
TABLE OF CONTENTS																
SHEET NO.	SHEET DESCRIPTION															
1	GENERAL NOTES															
2	CONFIGURATIONS															
3	ALL KEY CONFIGURATIONS															
4	BLADE CONNECTOR ASSEMBLY															
5	8W BOM															
6	9W BOM															
7	10W BOM															



8W HYBRID



9W HYBRID



10W HYBRID

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

a. APPLICATION SPECIFICATION SEE: 1601110001-AS

- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
- DESIGNED TO MATE WITH CONNECTOR AS SPECIFIED IN THE MATING CONNECTOR DRAWINGS CHART.
- FOR TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING TBD.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2 mm TO 2.69 mm.
- ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION (SEE PLR PRE-LOCK VIEW SHEET 5).

b. PRODUCT SPECIFICATION SEE: 1600760001-PS

CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.

c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE PACKAGING CHART

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)

2. DESIGN - MATERIALS:

a. SEE BOM TABLE (SHEET 4)

3. DESIGN - GEOMETRY:

a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.

b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009

c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715

d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.

e. 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.

f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).

g. LASER MARKING:

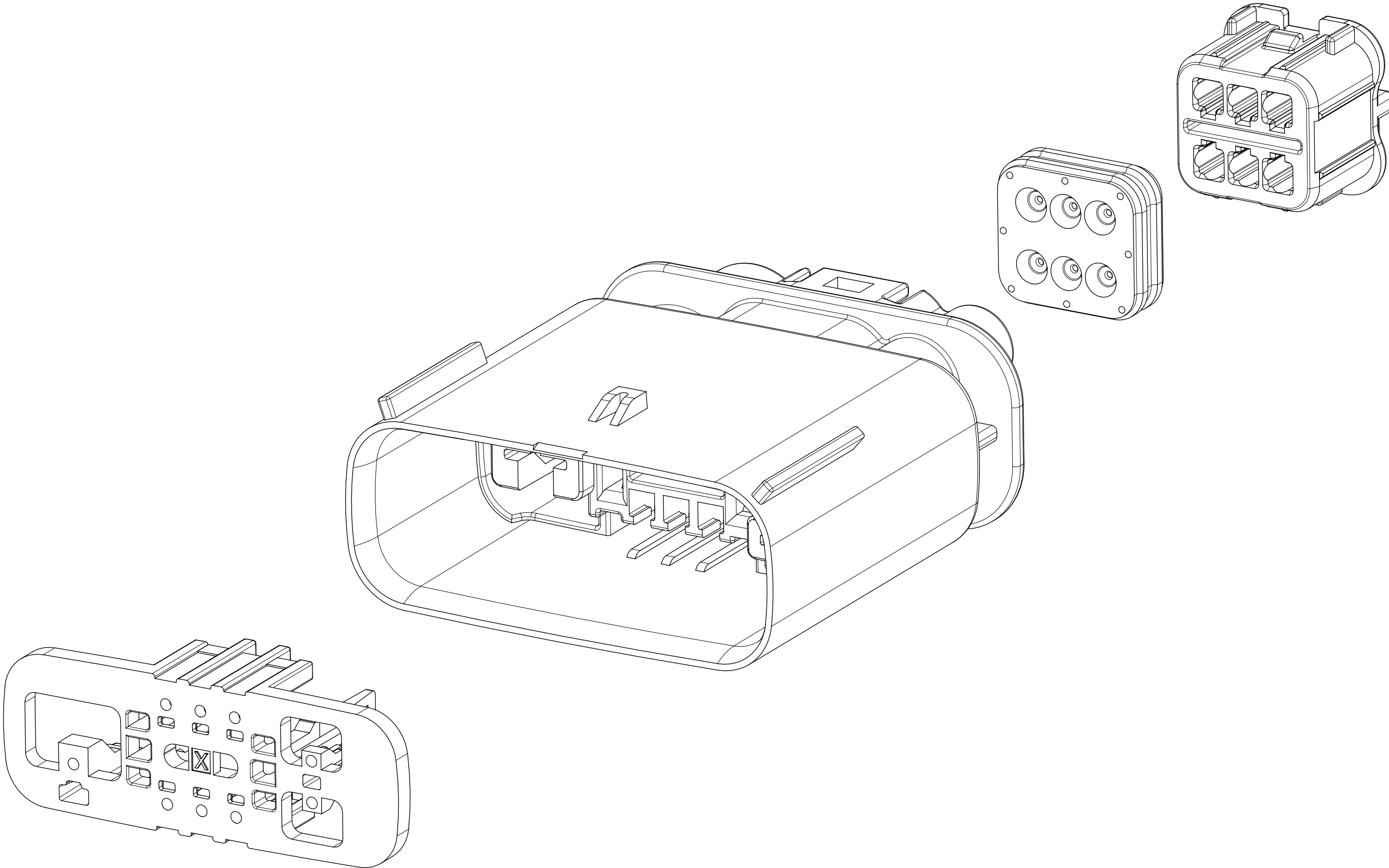
1. PART NUMBER
2. DAY OF THE YEAR
3. SHIFT
4. YEAR

FOR ADDITIONAL INFORMATION REFERENCE SECTION 5 UNDER PROCEDURES IN ES-34735-008.

h. PRODUCT DESIGN MODEL NUMBER: SEE BOM TABLE

PACKAGING	
DESCRIPTION	DRAWING NO.
10 WAY HYBRID (1.5/2.8)	PK-31300-635
8 WAY HYBRID (1.5/6.3)	
9 WAY HYBRID (1.5/2.8/6.3)	

MATING CONNECTOR DRAWINGS	
DESCRIPTION	MOLEX INLINE
10 WAY HYBRID (1.5/2.8)	SD-160076-0001
8 WAY HYBRID (1.5/6.3)	
9 WAY HYBRID (1.5/2.8/6.3)	



A3	UPDATED STATUS
A2	UPDATED DIMS 3.4,5
A1	UPDATED DIM 5 TOLERANCE
A	RELEASE FOR PRODUCTION
5	UPDATED DESIGN
4	MIGRATED DRAWING TO NX
3	UPDATED DESIGN
2	UPDATED VIEWS
1	INITIAL RELEASE
Rev	REV DISCRPTION

INSPECTION NUMBER LOG	LAST NUMBER: 5
ADDED:	REMOVED:

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: Changed the document restriction to General Market.
	DIMENSION UNITS	SCALE	
	mm	1.5:1	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		
	ANGULAR TOL	± 0.5°	
	4 PLACES	±	
	3 PLACES	±	
	2 PLACES	±	
	1 PLACE	±	
	0 PLACES	±	
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION

STATUS: Production	2023-03-21
DRWN: Mahesh KP	2023-03-21
CHK'D: Ryan Dunn	2023-03-21
APPR: Ryan Dunn	2023-03-21

DRAWING	SERIES
A1-SIZE	160077

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
1600770001	GENERAL MARKET	1 OF 7

PRODUCT SALES DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1600770001	PSD	000	A5



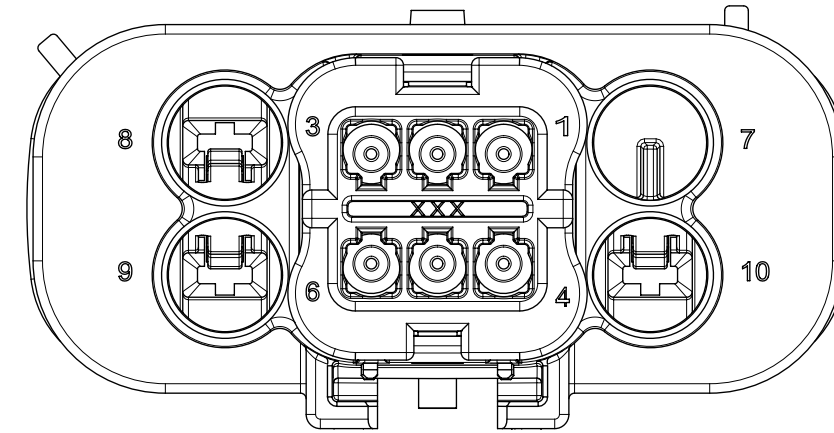
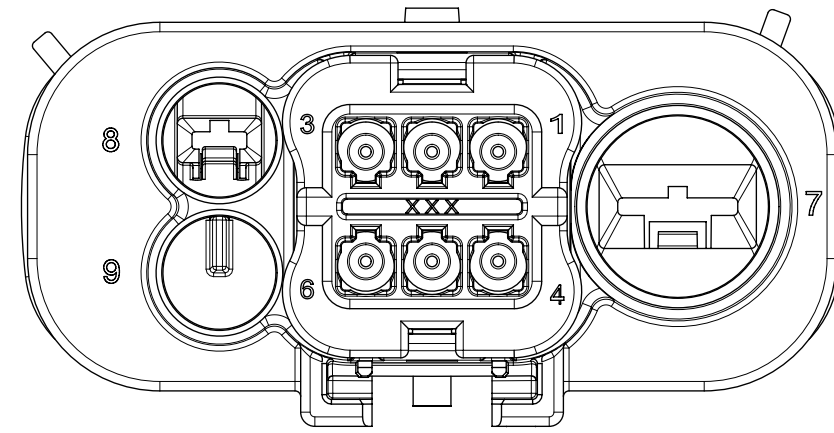
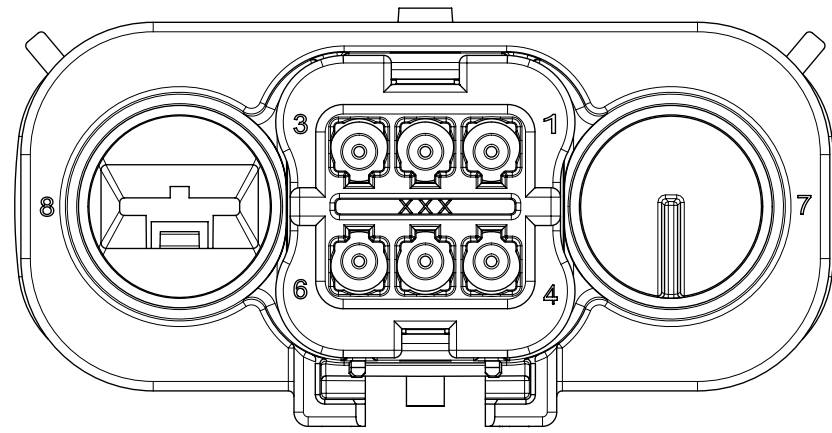
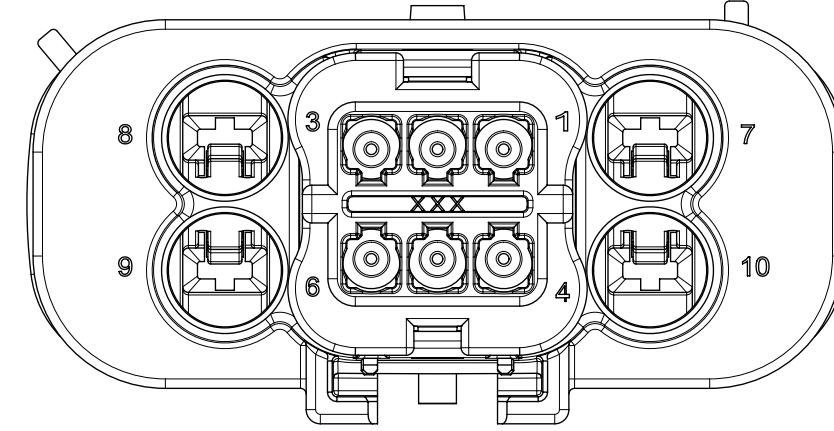
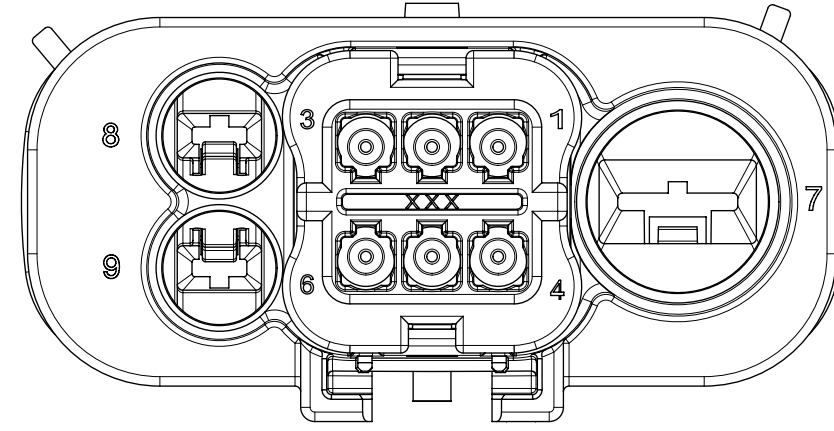
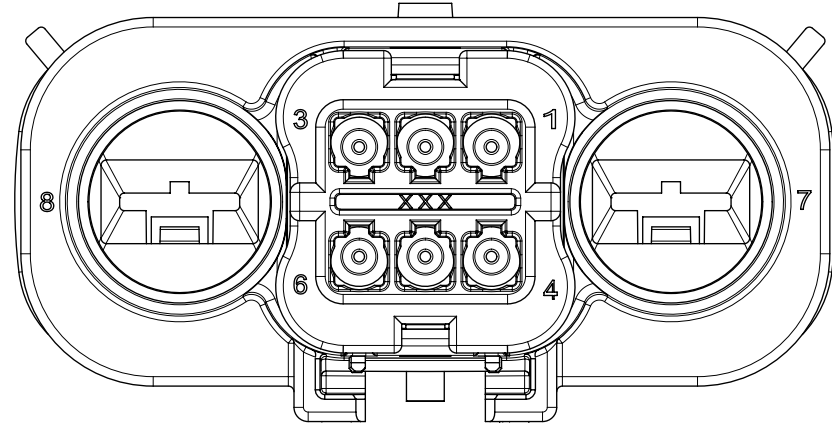
MX150 HYBRID BLADE DUAL ROW SEALED ASSY
DUAL ROW SEALED ASSEMBLY MAT SEAL

WITH
BLOCKED
CAVITIES

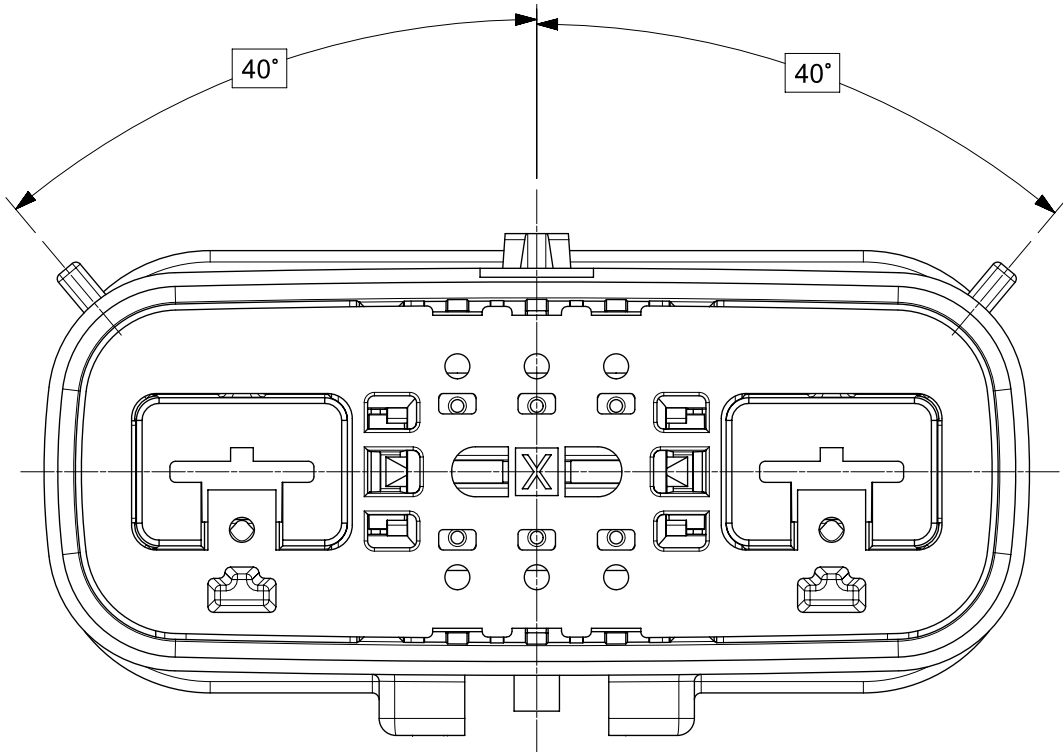
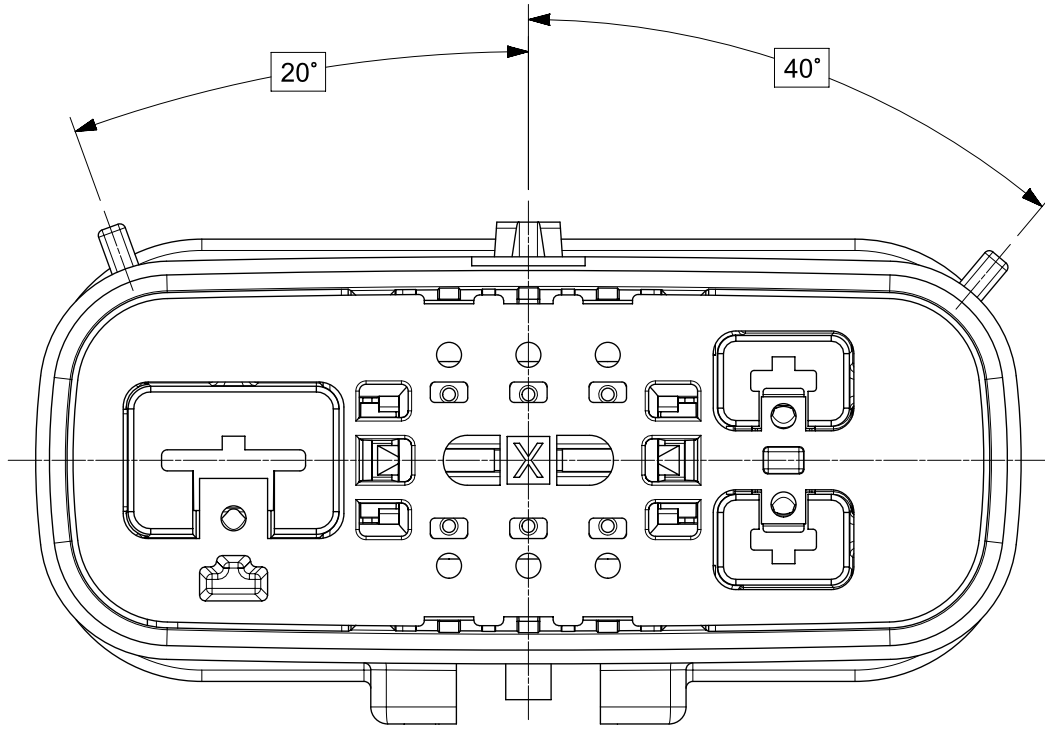
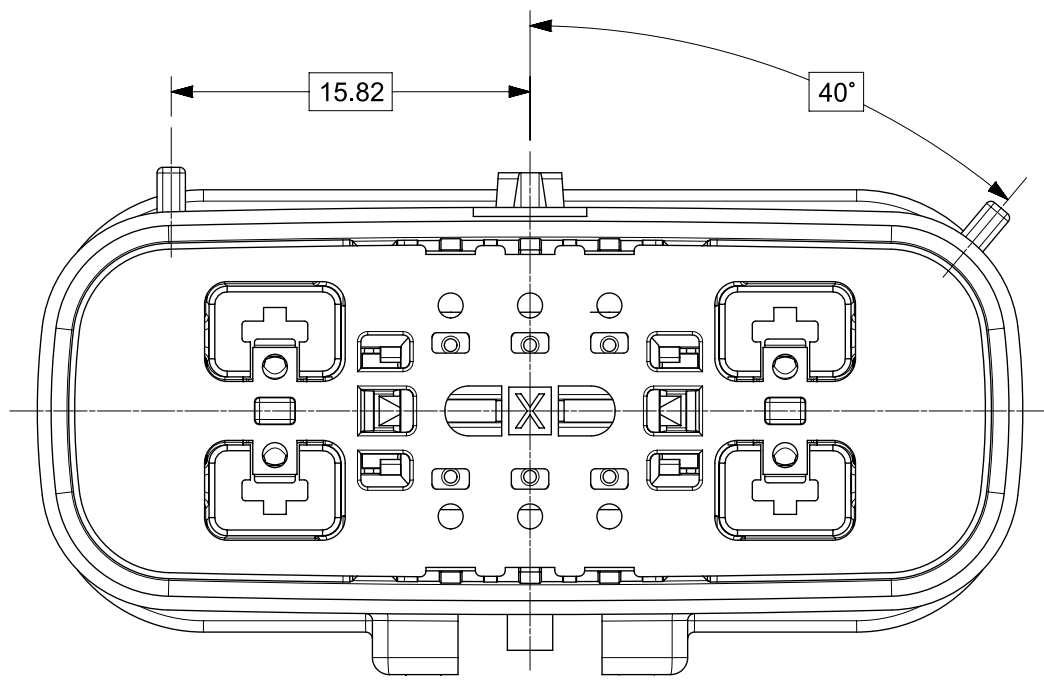
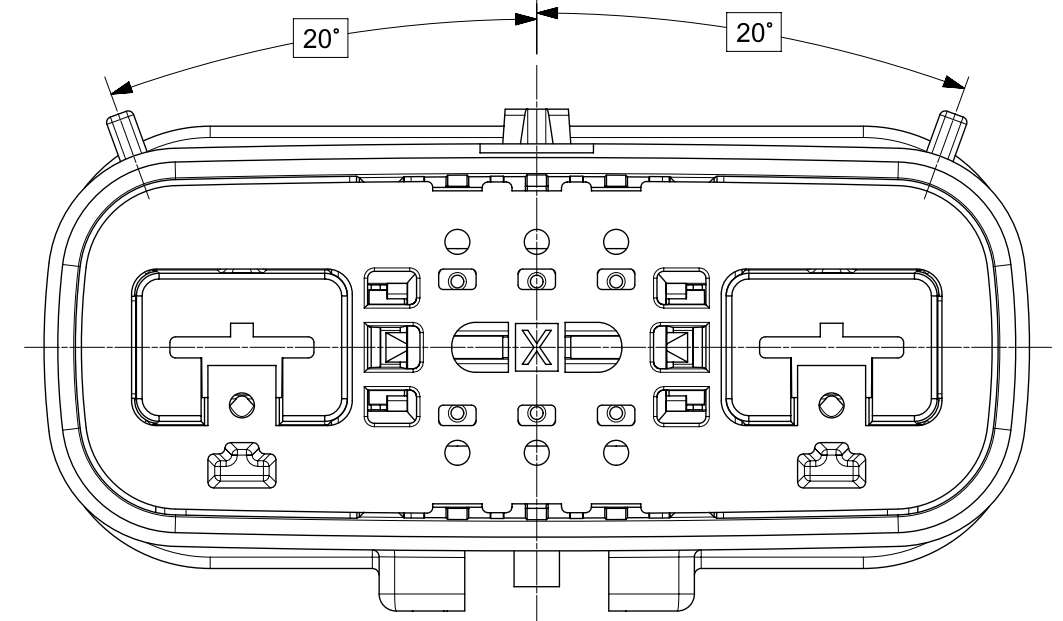
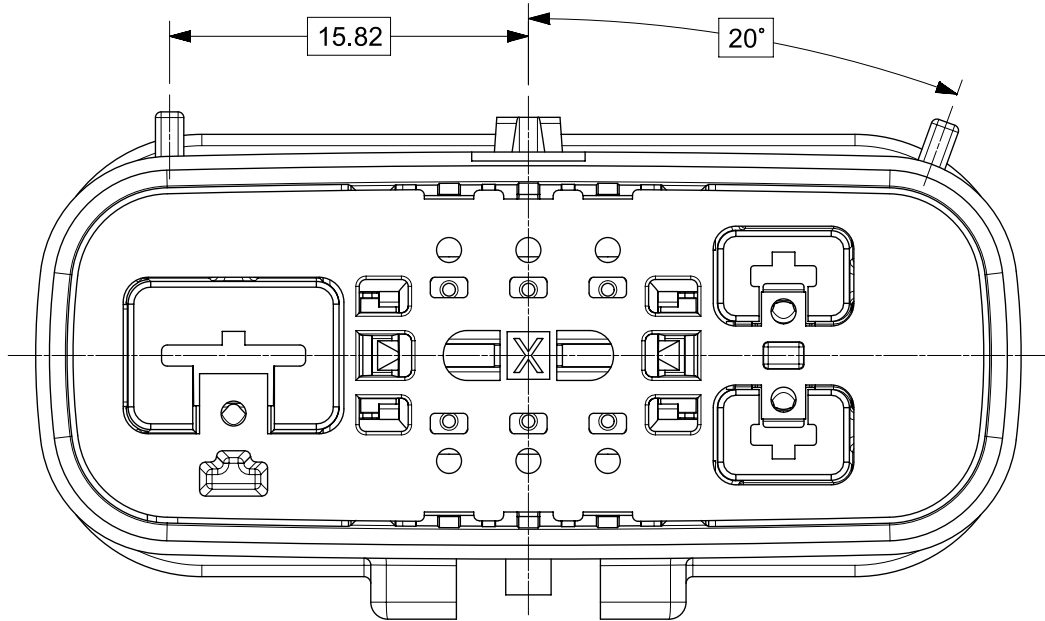
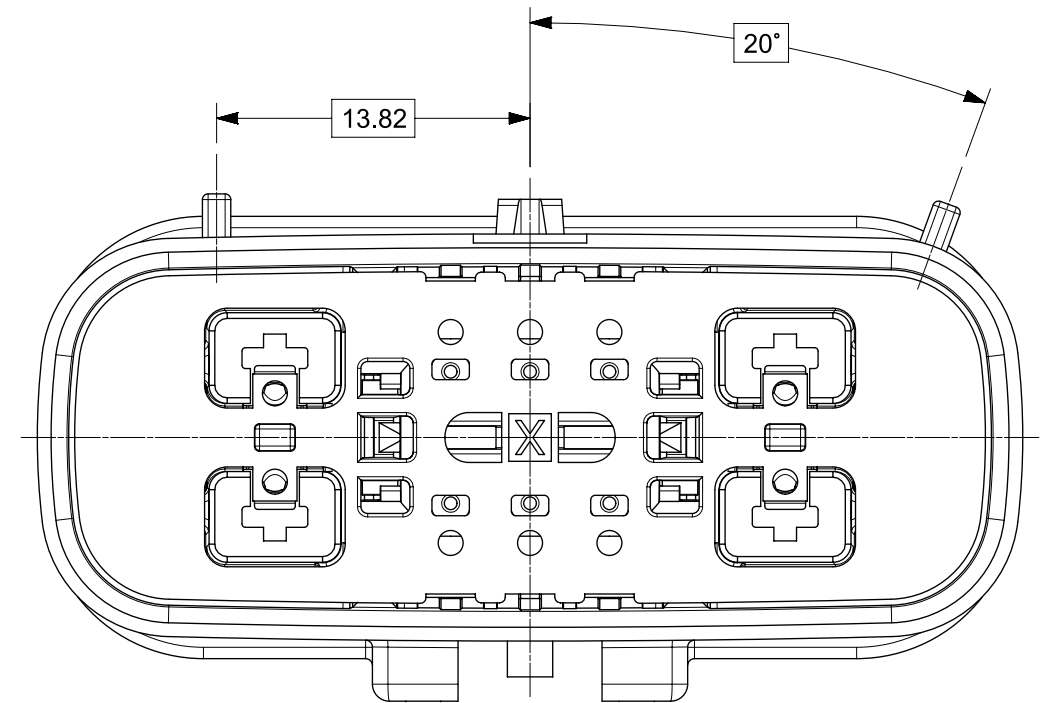
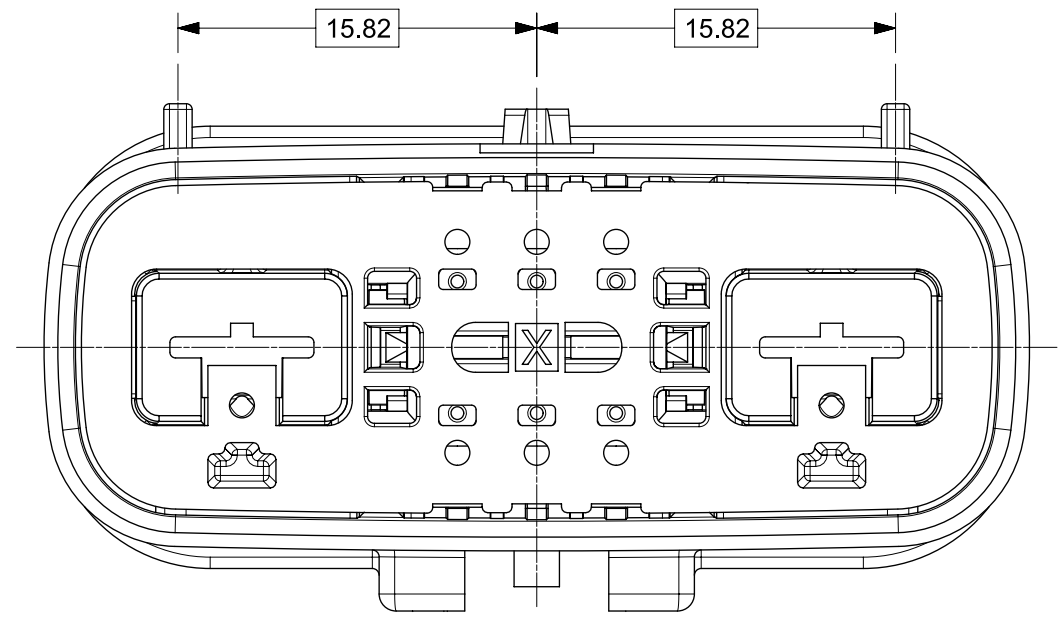
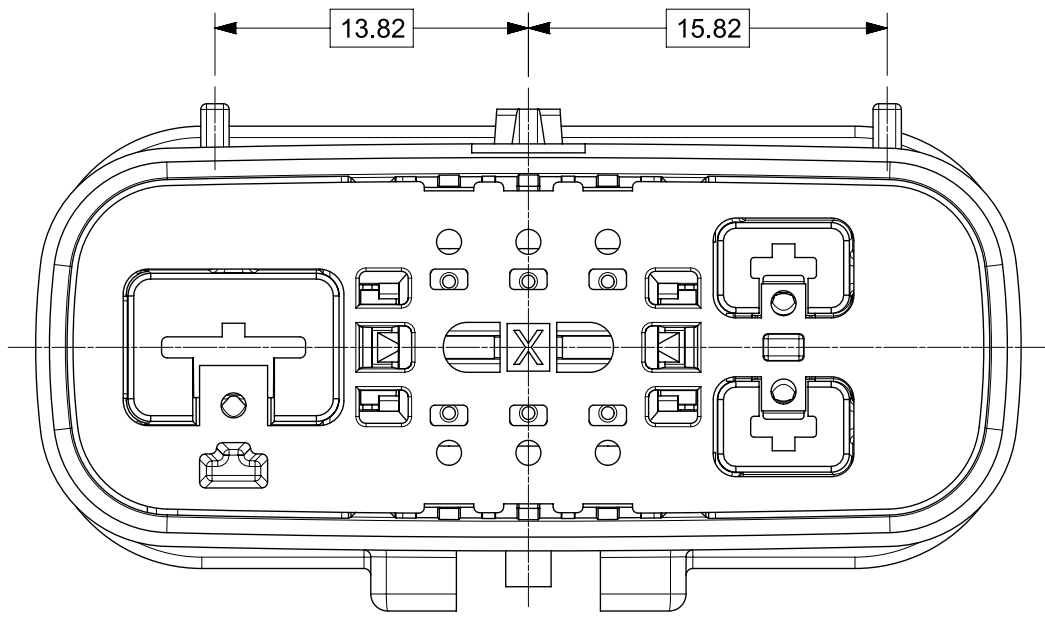
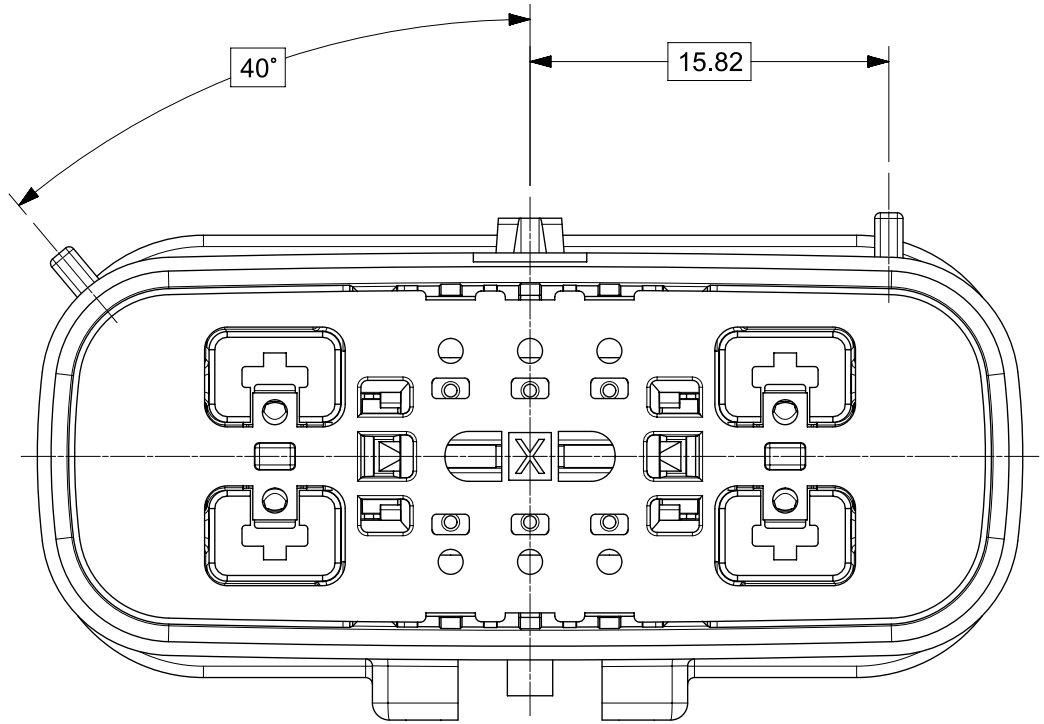
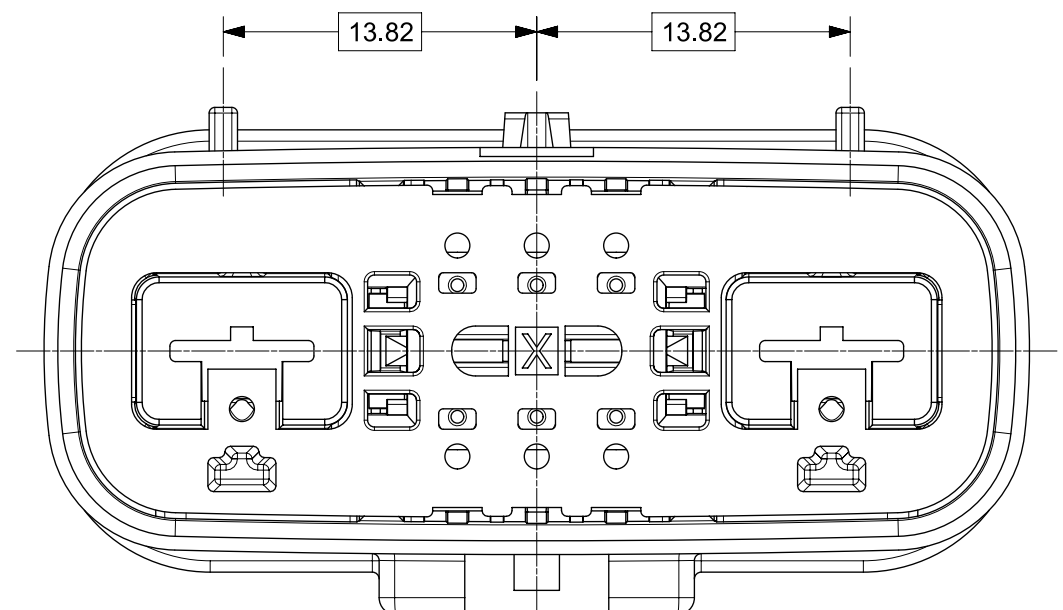
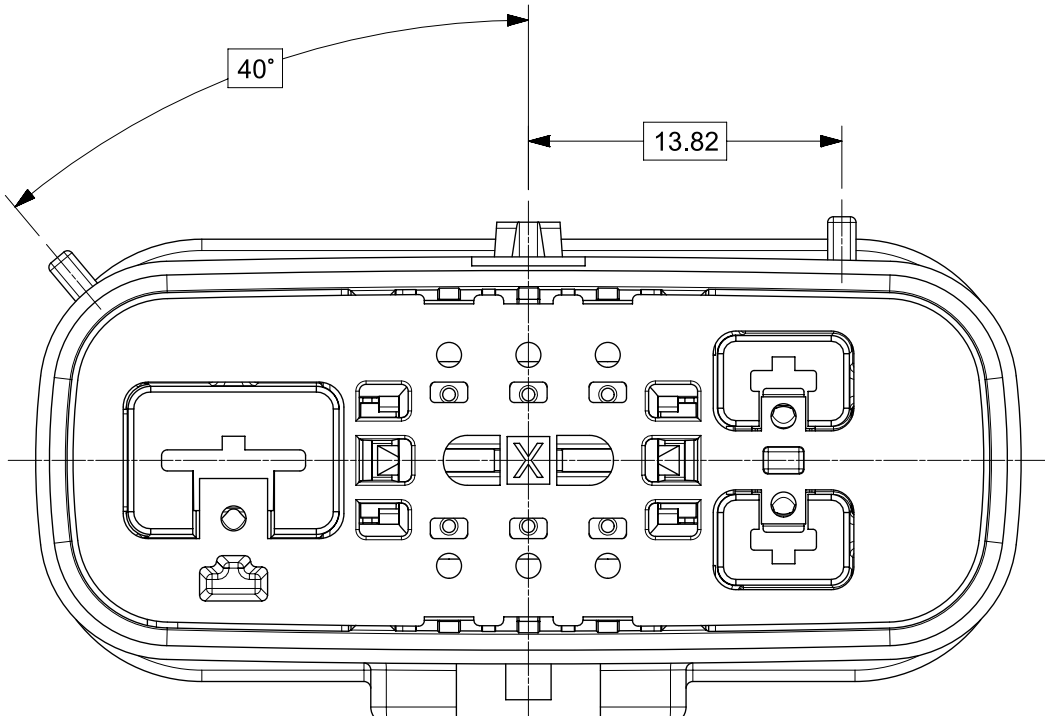
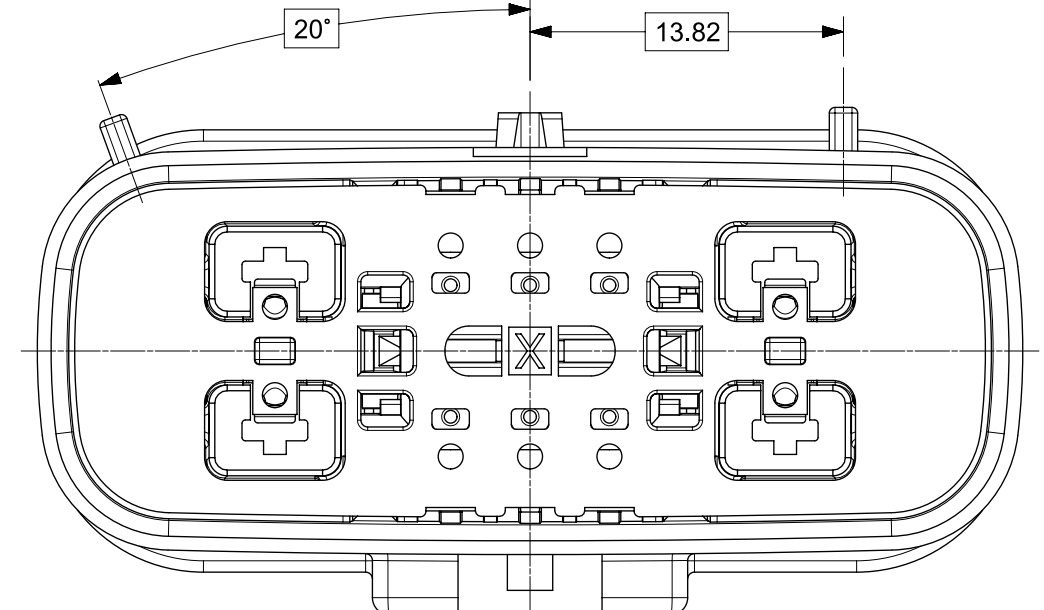
8W HYBRID

9W HYBRID

10W HYBRID



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: Changed the document restriction to General Market.			molex			
	mm		2.5:1								
	GENERAL TOLERANCES (UNLESS SPECIFIED)										
	ANGULAR TOL		± 0.5°								
$\frac{F}{A} = 0$	4 PLACES		±					MX150 HYBRID BLADE DUAL ROW SEALED ASSY DUAL ROW SEALED ASSEMBLY MAT SEAL			
$\frac{F}{C} = 0$	3 PLACES		±								
$\frac{F}{D} = 0$	2 PLACES		±								
1 PLACE		±									
0 PLACES		±									
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		
							A1-SIZE		160077		
	STATUS: Production DRWN: Mahesh KP CHK'D: Ryan Dunn APPR: Ryan Dunn				2023-03-21		2023-03-21		2023-03-21		
					DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION
				1600770001		PSD		000		A5	
				MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
						GENERAL MARKET				2 OF 7	

	8W HYBRID	9W HYBRID	10W HYBRID
KEY A			
KEY B			
KEY C			
KEY D			

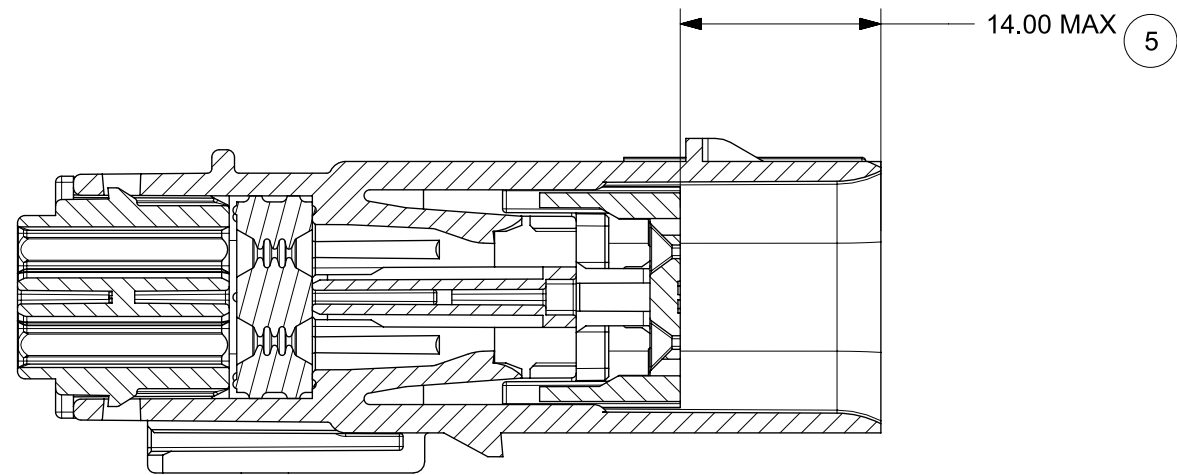
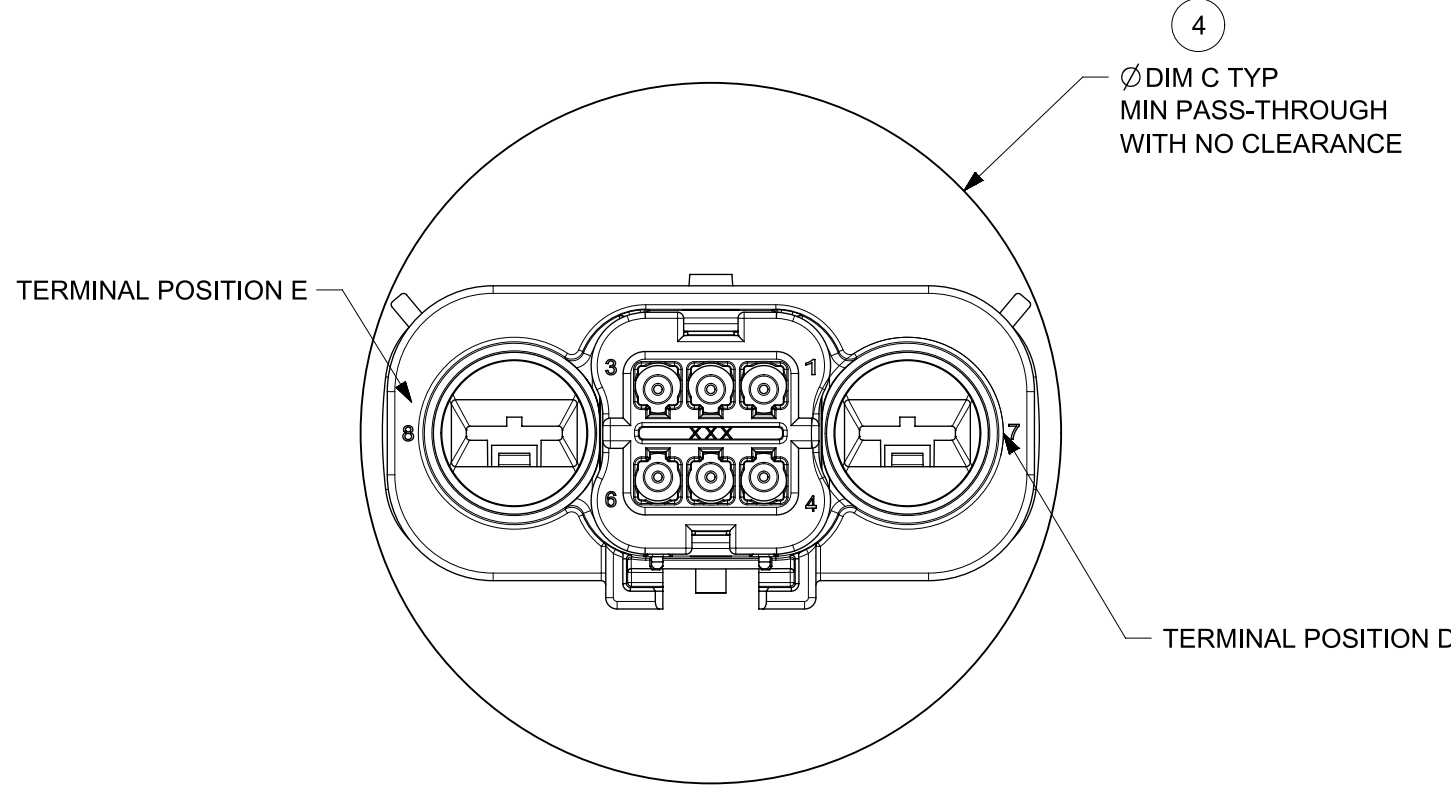
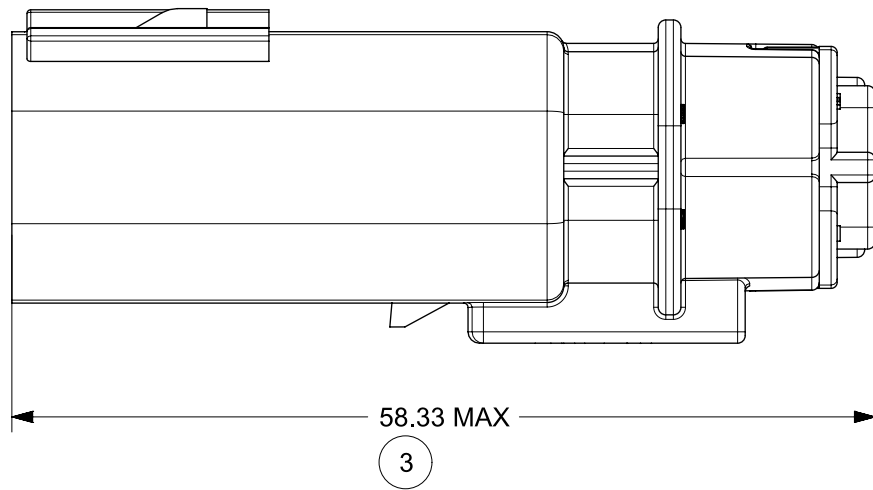
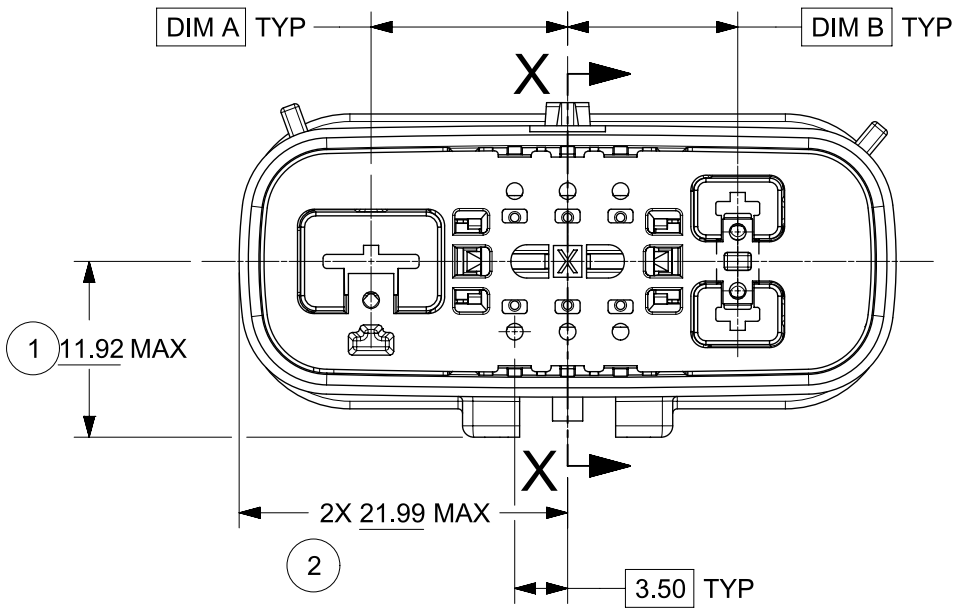
FUNCTIONAL SYMBOLS F A = 0 F C = 0 F D = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	DIMENSION UNITS		SCALE		CURRENT REV DESC: Changed the document restriction to General Market.					
	mm		3:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)									
	ANGULAR TOL ± 0.5°				STATUS: Production DRWN: Mahesh KP 2023-03-21 CHK'D: Ryan Dunn 2023-03-21 APPR: Ryan Dunn 2023-03-21					
	4 PLACES		±							
	3 PLACES		±							
	2 PLACES		±							
	1 PLACE		±							
	0 PLACES		±		THIRD ANGLE PROJECTION 					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

MOLEX				
MX150 HYBRID BLADE DUAL ROW SEALED ASSY DUAL ROW SEALED ASSEMBLY MAT SEAL				
PRODUCT SALES DRAWING				
DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
1600770001		PSD	000	A5
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
		GENERAL MARKET		3 OF 7

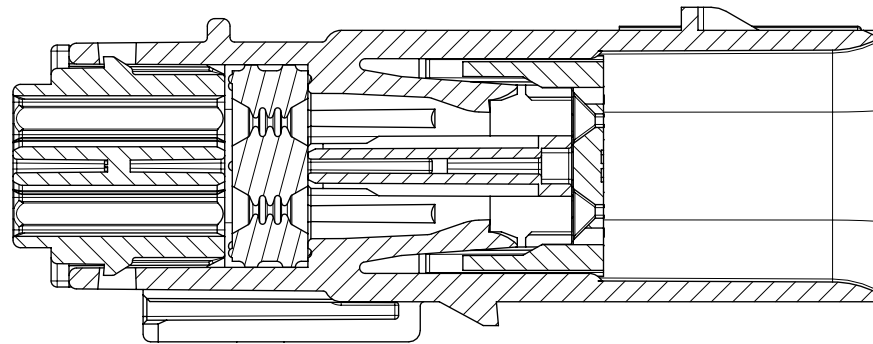
SHEET DESCRIPTION
BLADE CONNECTOR ASSEMBLY

DESCRIPTION	CHARTED DIMENSIONS						
	DIMENSIONS						
	A	B	C	D	E	F	G
8 WAY HYBRID (1.5/6.3)	13.00	N/A	46.33	7	8	N/A	N/A
9 WAY HYBRID (1.5/2.8/6.3)	13.00	11.25	46.33	7	8	9	N/A
10 WAY HYBRID (1.5/2.8)	N/A	11.25	46.33	7	8	9	10

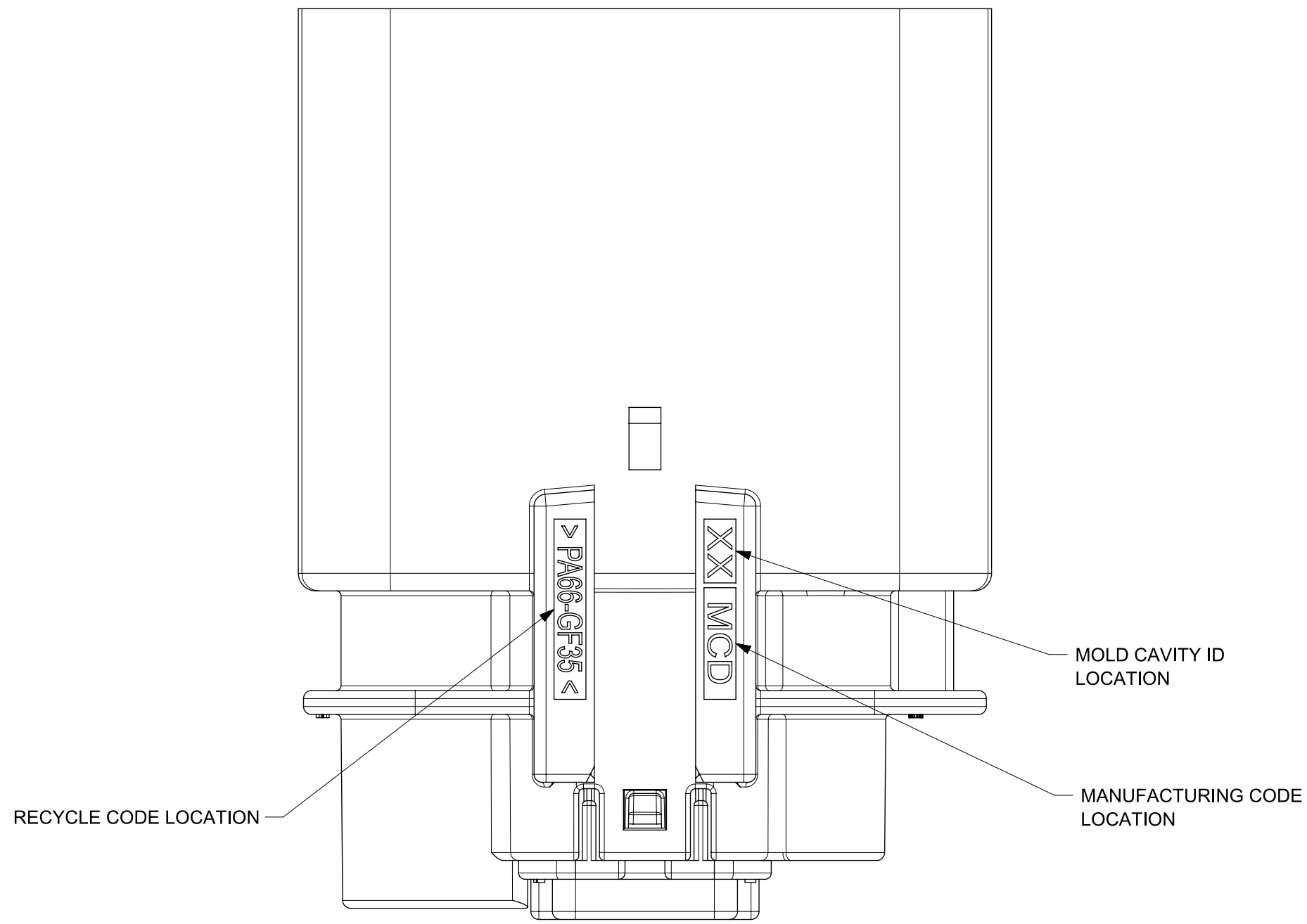
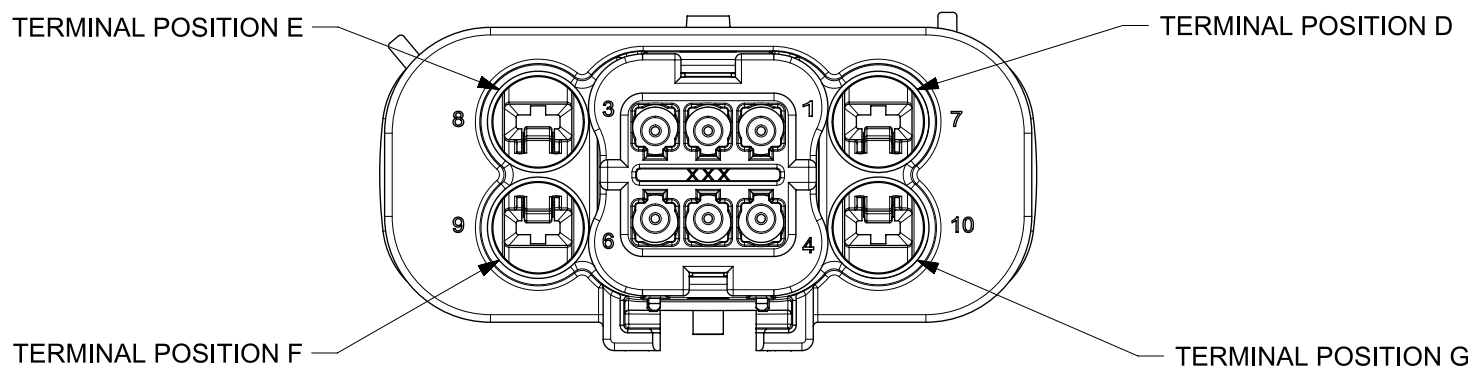
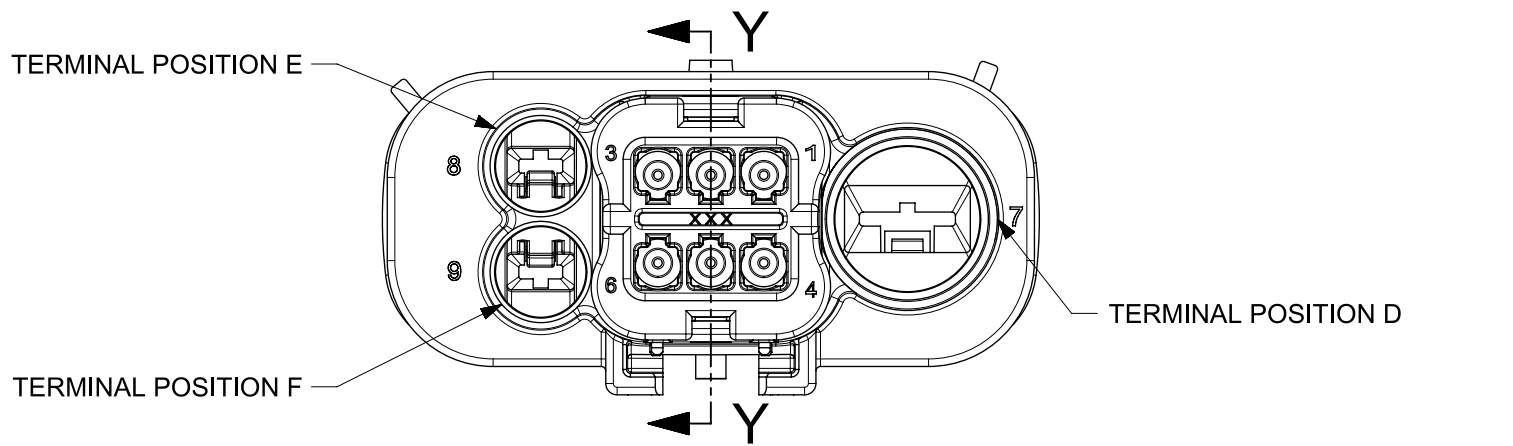
LASER MARKING ON THIS SURFACE
SEE NOTE 3g



PRIMARY LOCK REINFORCEMENT (PLR)
SHOWN IN PRE - STAGE POSITION
SECTION Y-Y



PRIMARY LOCK REINFORCEMENT (PLR)
SHOWN IN FINAL - STAGE POSITION
SECTION X-X



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: Changed the document restriction to General Market.					
	mm		1:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)									
	ANGULAR TOL ± 0.5°					molex				
	4 PLACES		±							
	3 PLACES		±							
	2 PLACES		±							
	1 PLACE		±							
	DIVISIONAL SYMBOLS	0 PLACES		±		STATUS: Production DRWN: Mahesh KP CHK'D: Ryan Dunn APPR: Ryan Dunn 2023-03-21 2023-03-21 2023-03-21				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
THIRD ANGLE PROJECTION		DRAWING		SERIES						
				A1-SIZE		160077				

MX150 HYBRID BLADE DUAL ROW SEALED ASSY DUAL ROW SEALED ASSEMBLY MAT SEAL				
PRODUCT SALES DRAWING				
DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
1600770001		PSD	000	A5
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
		GENERAL MARKET		4 OF 7

MX150 8W HYBRID BLADE

Diagram illustrating the terminal positions (7 and 8) on the MX150 8W Hybrid Blade.

Diagram illustrating the assembly components: Housing, Grommet Cap, Mat Seal, and PLR.

ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLK	HOUSING KEYING OPTION A	BLACK	DSM PA66 GF35
B-LG	HOUSING KEYING OPTION B	LIGHT GRAY	DSM PA66 GF35
C-DG	HOUSING KEYING OPTION C	DARK GRAY	DSM PA66 GF35
D-SG	HOUSING KEYING OPTION D	STONE GRAY	DSM PA66 GF35
A-BLK	HOUSING KEYING OPTION A - BLOCKED	BLACK	DSM PA66 GF35
GCP	GROMMET CAP (PLUGGED)	BLACK	DSM PA66 GF35
GCO	GROMMET CAP (OPEN)	BLACK	DSM PA66 GF35
PLR	PLR	NATURAL	DSM PA66 GF35
M	MAT SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT				BLOCKED TERMINALS								STATUS	COMMENTS	OPTIONAL ATTATCHMENTS SOLD SEPARATELY			
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.				CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION										BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS		
		HOUSING KEY/COLOR	GROMMET CAP	PLR	MAT SEAL	1	2	3	4	5	6	7	8						
KEY A, BLACK	160079-3001	A-BLK	GCP	PLR	M									SALEABLE		TBD	TBD		
KEY B, LIGHT GRAY	160079-3002	B-LG	GCP	PLR	M									SALEABLE		TBD	TBD		
KEY C, DARK GRAY	160079-3003	C-DG	GCP	PLR	M									SALEABLE		TBD	TBD		
KEY D, STONE GRAY	160079-3004	D-SG	GCP	PLR	M									SALEABLE		TBD	TBD		
KEY A BLOCKED, BLACK	160079-3005	A-BLK	GCP	PLR	M							7		SALEABLE		TBD	TBD		

MX150 9W HYBRID BLADE

Diagram illustrating the terminal positions (7, 8, 9) and components (Terminal Position 8, Terminal Position 9, Terminal Position 7) of the MX150 9W Hybrid Blade.

Diagram illustrating the assembly components: MAT SEAL, GROMMET CAP, HOUSING, and PLR.

ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLK	HOUSING KEYING OPTION A	BLACK	DSM PA66 GF35
B-LG	HOUSING KEYING OPTION B	LIGHT GRAY	DSM PA66 GF35
C-DG	HOUSING KEYING OPTION C	DARK GRAY	DSM PA66 GF35
D-SG	HOUSING KEYING OPTION D	STONE GRAY	DSM PA66 GF35
A-BLK	HOUSING KEYING OPTION A - BLOCKED	BLACK	DSM PA66 GF35
GCP	GROMMET CAP (PLUGGED)	BLACK	DSM PA66 GF35
GCO	GROMMET CAP (OPEN)	BLACK	DSM PA66 GF35
PLR	PLR	NATURAL	DSM PA66 GF35
M	MAT SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT				BLOCKED TERMINALS									STATUS	COMMENTS	OPTIONAL ATTATCHMENTS SOLD SEPERATELY			
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.				CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION											BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS		
		HOUSING KEY/COLOR	GROMMET CAP	PLR	MAT SEAL	1	2	3	4	5	6	7	8	9						
KEY A, BLACK	160081-3001	A-BLK	GCP	PLR	M										SALEABLE		TBD	TBD		
KEY B, LIGHT GRAY	160081-3002	B-LG	GCP	PLR	M										SALEABLE		TBD	TBD		
KEY C, DARK GRAY	160081-3003	C-DG	GCP	PLR	M										SALEABLE		TBD	TBD		
KEY D, STONE GRAY	160081-3004	D-SG	GCP	PLR	M										SALEABLE		TBD	TBD		
KEY A BLOCKED, BLACK	160081-3005	A-BLK	GCP	PLR	M									9	SALEABLE		TBD	TBD		

TERMINAL POSITION 8

8

3

1

7

9

6

4

10

TERMINAL POSITION 7

TERMINAL POSITION 9

TERMINAL POSITION 10

MAT SEAL

GROMMET CAP

PLR

HOUSING

ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLK	HOUSING KEYING OPTION A	BLACK	DSM PA66 GF35
B-LG	HOUSING KEYING OPTION B	LIGHT GRAY	DSM PA66 GF35
C-DG	HOUSING KEYING OPTION C	DARK GRAY	DSM PA66 GF35
D-SG	HOUSING KEYING OPTION D	STONE GRAY	DSM PA66 GF35
A-BLK	HOUSING KEYING OPTION A - BLOCKED	BLACK	DSM PA66 GF35
GCP	GROMMET CAP (PLUGGED)	BLACK	DSM PA66 GF35
GCO	GROMMET CAP (OPEN)	BLACK	DSM PA66 GF35
PLR	PLR	NATURAL	DSM PA66 GF35
M	MAT SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT				BLOCKED TERMINALS										STATUS	COMMENTS	OPTIONAL ATTACHMENTS SOLD SEPARATELY	
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.				CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION												BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
		HOUSING KEY/COLOR	GROMMET CAP	PLR	MAT SEAL	1	2	3	4	5	6	7	8	9	10				
KEY A, BLACK	160077-5001	A-BLK	GCP	PLR	M											SALEABLE		TBD	TBD
KEY B, LIGHT GRAY	160077-5002	B-LG	GCP	PLR	M											SALEABLE		TBD	TBD
KEY C, DARK GRAY	160077-5003	C-DG	GCP	PLR	M											SALEABLE		TBD	TBD
KEY D, STONE GRAY	160077-5004	D-SG	GCP	PLR	M											SALEABLE		TBD	TBD
KEY A BLOCKED, BLACK	160077-5005	A-BLK	GCP	PLR	M							7				SALEABLE		TBD	TBD
KEY A BLOCKED, BLACK	160077-5006	A-BLK	GCP	PLR	M									9	10	SALEABLE		TBD	TBD
KEY A BLOCKED, BLACK	160077-5007	A-BLK	GCP	PLR	M							7	8	9		SALEABLE		TBD	TBD
KEY A BLOCKED, BLACK	160077-5008	A-BLK	GCP	PLR	M							7	8		10	SALEABLE		TBD	TBD
KEY A, BLACK	160077-5009	A-BLK	GCP	PLR	M	1		3		5						SALEABLE		TBD	TBD
KEY A, BLACK	160077-5010	A-BLK	GCP	PLR	M		2		4		6					SALEABLE		TBD	TBD