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6	SYSTEM PACKAGING
7	BACKSHELL NOTES
8	BACKSHELL
9	BACKSHELL CONFIGURATIONS

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:  
a. APPLICATION SPECIFICATION SEE: AS-33472-100  
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.  
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY AS SPECIFIED IN THE MATING CONNECTOR DRAWINGS CHART.  
\*DENOTES DRAWINGS THAT CAN BE ACCESSED AT <http://ewcap.uscarteams.org/>.  
-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION (SEE PLR PRE-LOCK VIEW SHEET 5).

b. PRODUCT SPECIFICATION SEE:  
-STANDARD CONFIGURATION: PS-33472-000  
-UL V0 CONFIGURATION: TBD  
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), TERMINALS, WIRE DIAMETER RANGE, PRODUCT VALIDATION, AND PRODUCT DEVIATIONS.

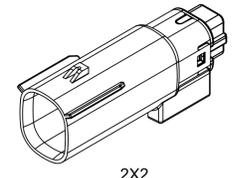
c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-903  
d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300  
e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS:  
a. FOR BILL OF MATERIALS: SEE BOM CHART

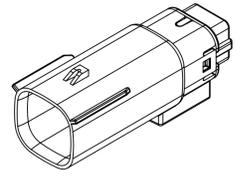
3. DESIGN - GEOMETRY:  
a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.  
b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009  
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 SEE SECTION 5 UNDER PROCEDURES IN ES-34735-008.

BILL OF MATERIALS (BOM)	
DESCRIPTION	DRAWING NO.
UL V0 VERSION	SD-160084-0002
STANDARD 2X2	334820402
STANDARD 2X3	334820602
STANDARD 2X4	334820802
STANDARD 2X6	334821202
STANDARD 2X8	334821602
STANDARD 2X10	334822002

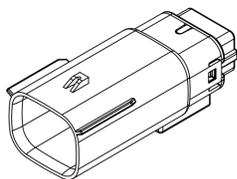
MATING CONNECTOR DRAWINGS	
DESCRIPTION	MOLEX INLINE
2X2	SD-33472-0001
2X3	SD-33472-0001
2X4	SD-33472-0001
2X6	SD-33472-0001
2X8	SD-33472-0001
2X10	SD-33472-0001



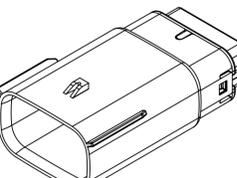
2X2



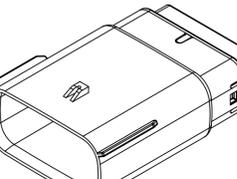
2X3



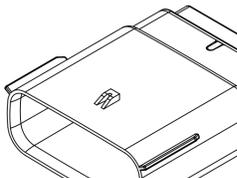
2X4



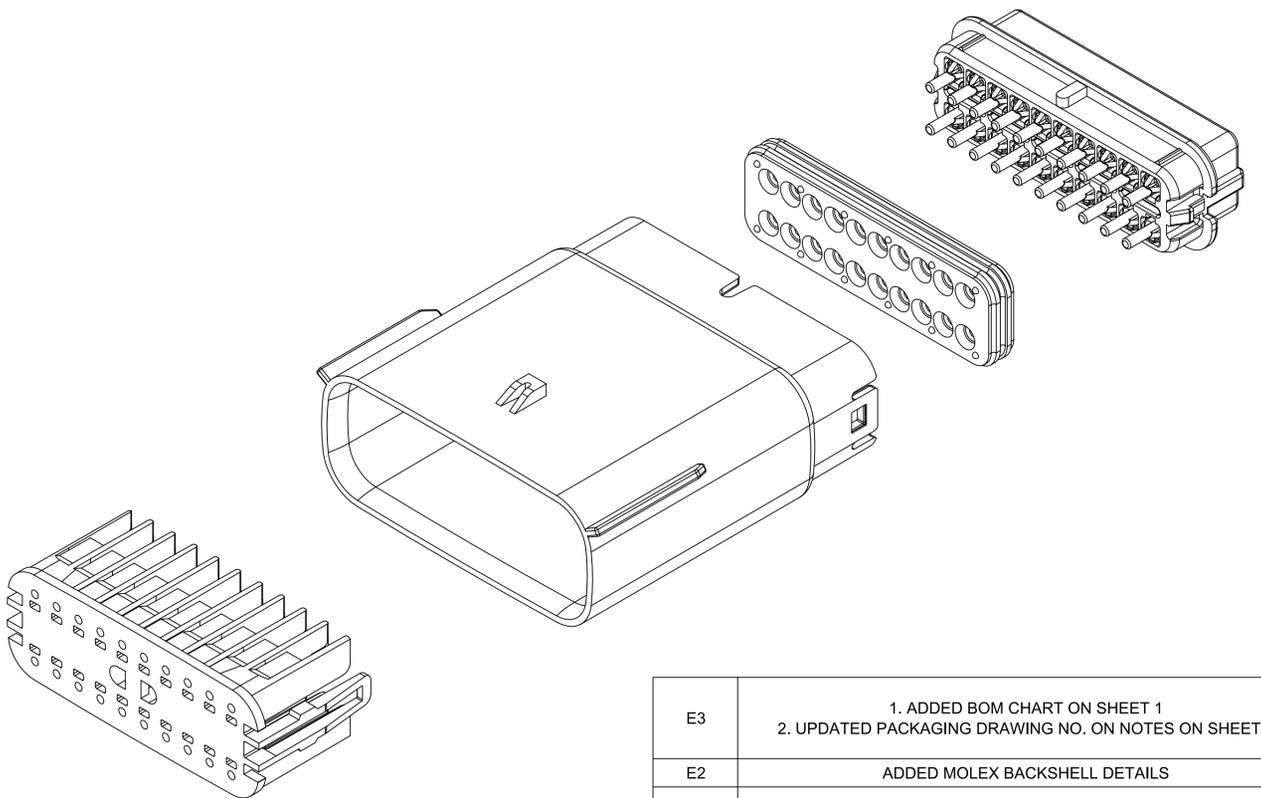
2X6



2X8



2X10

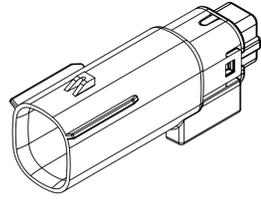


INSPECTION NUMBER LOG	
LAST NUMBER:	9
ADDED:	
REMOVED:	

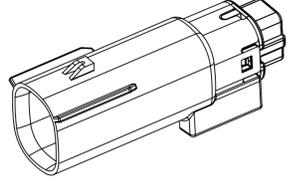
E3	1. ADDED BOM CHART ON SHEET 1 2. UPDATED PACKAGING DRAWING NO. ON NOTES ON SHEET 1
E2	ADDED MOLEX BACKSHELL DETAILS
E1	MIGRATED FROM COCREATE AND IMPORTED DXF FILES
E	ADDED CHARTED DIMENSIONS FOR 2X2, 2X4, 2X6 AND 2X8 WITH CLIPSLLOT
D	MINOR GEOMETRY CHANGE FOR UL V0
C3	ADD 2X4
C2	ADD 2X3
C1	ADD UL V0 CONFIGURATIONS
C	ADD 2X8
B1	ADD 2X6 BACKSHELL INFO
B	ADD 2X6
A	INITIAL RELEASE
REV	REV DESCRIPTION

<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 DIMENSION UNITS: <b>mm</b> SCALE: <b>1.5:1</b> GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1' 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.100 1 PLACE ± 0.20 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CURRENT REV DESC:  STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song THIRD ANGLE PROJECTION	<b>molex</b>  MX150 BLADE DUAL ROW SEALED ASSEMBLY  PRODUCT SALES DRAWING
	DRWING: 2023-09-26 CHK'D: 2023-09-26 APPR: 2023-09-27	DOCUMENT NUMBER: <b>SD-33482-0001</b> DOC TYPE: PSD DOC PART: 001 REVISION: <b>E3</b>	MATERIAL NUMBER: <b>33482</b> CUSTOMER: <b>GENERAL MARKET</b> SHEET NUMBER: <b>1 OF 11</b>

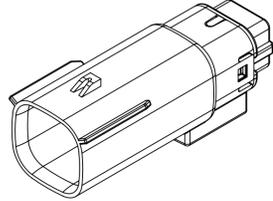
SHEET DESCRIPTION  
CONFIGURATIONS



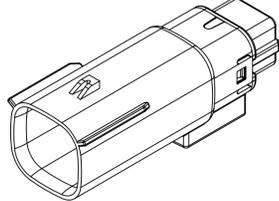
2X2 - STANDARD (STD)



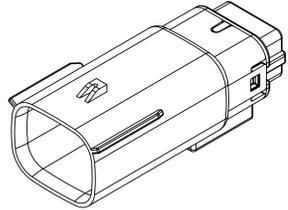
2X2 - UL V0\*



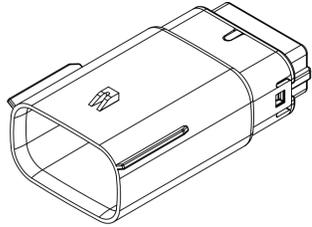
2X3 - STANDARD (STD)



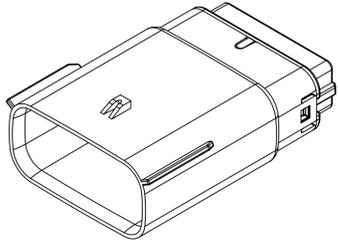
2X3 - LENGTHENED



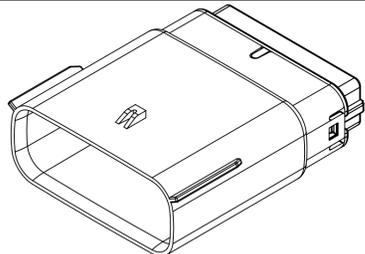
2X4 - STANDARD (STD)



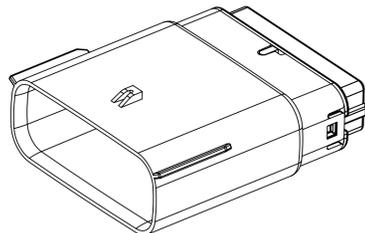
2X6 - STANDARD (STD)



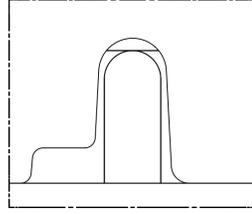
2X8 - STANDARD (STD)



2X10 - STANDARD (STD)



2X10 - UL V0\*

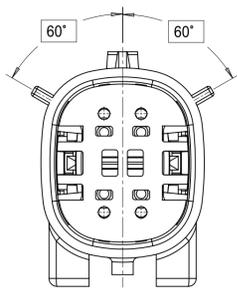


UL V0 UNIQUE FEATURE  
Partial1  
SCALE 10:1

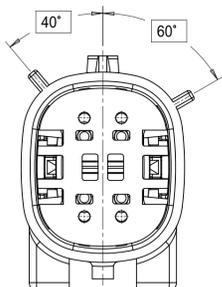
\* MINOR GEOMETRY CHANGE THAN STANDARD CONFIGURATION.  
SEE NOTE 2a FOR MORE INFORMATION

<b>FUNCTIONAL SYMBOLS</b> $\frac{FA}{A} = 0$ $\frac{FC}{C} = 0$ $\frac{FP}{P} = 0$ <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:								
	DIMENSION UNITS	SCALE	STATUS: Production					DOCUMENT NUMBER	DOC TYPE	DOC PART
	mm	1.5:1	DRWN: Yann Chen		SD-33482-0001	PSD	001	E3		
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: Yu Chao Fu		2023-09-26					
	ANGULAR TOL ± 1'		APPR: Elvis Song		2023-09-27					
4 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
3 PLACES ±						A1-SIZE		33482	GENERAL MARKET	2 OF 11
2 PLACES ± 0.100										
1 PLACE ± 0.20										
0 PLACES ±										

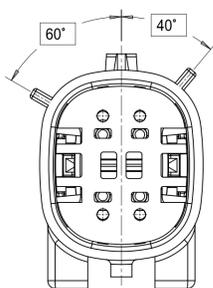
2X2



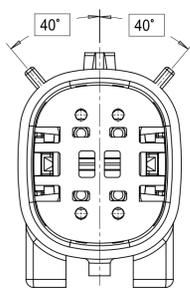
KEY A



KEY B

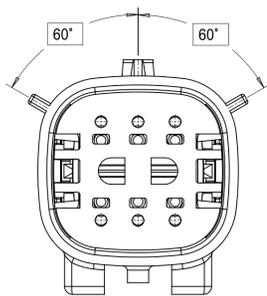


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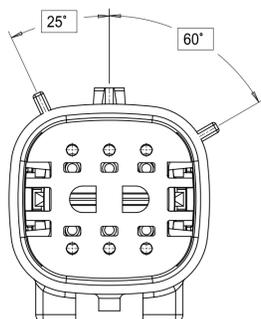


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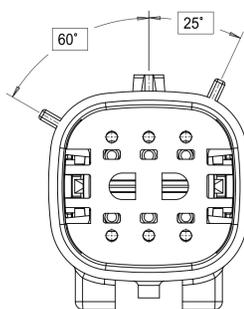
2X3



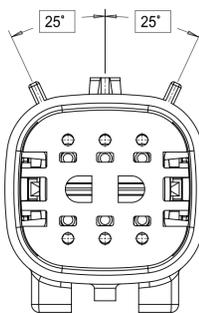
KEY A



KEY B

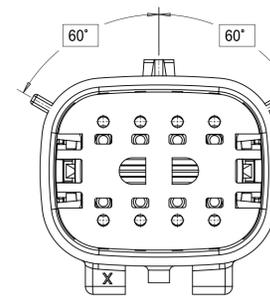


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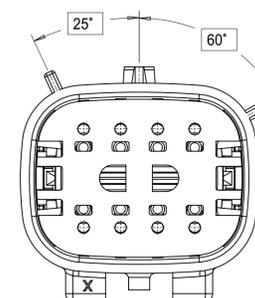


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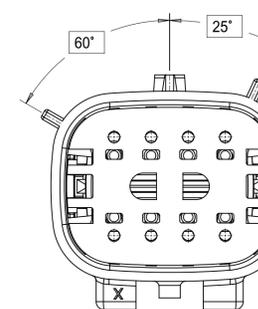
2X4



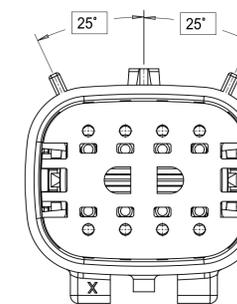
KEY A



KEY B



KEY C



KEY D

<b>FUNCTIONAL SYMBOLS</b> FA = 0 FC = 0 FP = 0 <b>DIVISIONAL SYMBOLS</b> 2 PLACES ± 0.100 1 PLACE ± 0.20 0 PLACES ±	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:	
	DIMENSION UNITS <b>mm</b>	SCALE <b>3:1</b>	STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song	
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1°		2023-09-26 2023-09-26 2023-09-27	DOCUMENT NUMBER <b>SD-33482-0001</b>
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING <b>A1-SIZE</b>
		SERIES <b>33482</b>	CUSTOMER <b>GENERAL MARKET</b>	SHEET NUMBER <b>3 OF 11</b>

**molex**

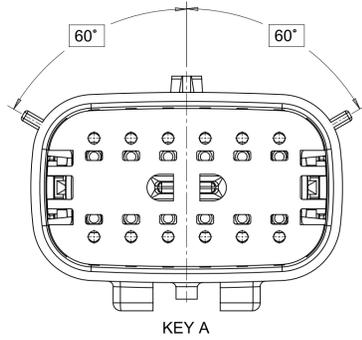
MX150 BLADE  
DUAL ROW SEALED ASSEMBLY

PRODUCT SALES DRAWING

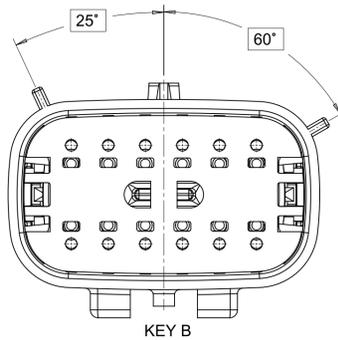
DOC TYPE	DOC PART	REVISION
PSD	001	E3

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 11

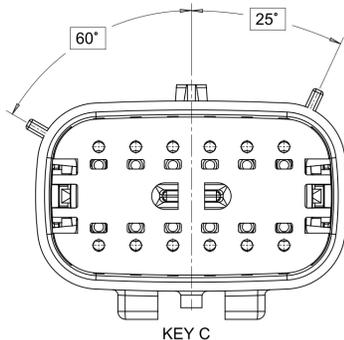
2X6



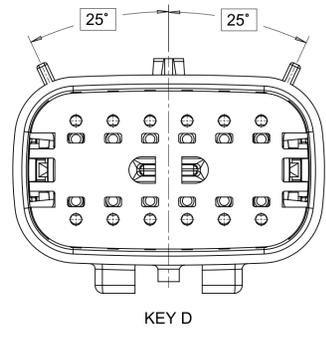
KEY A



KEY B

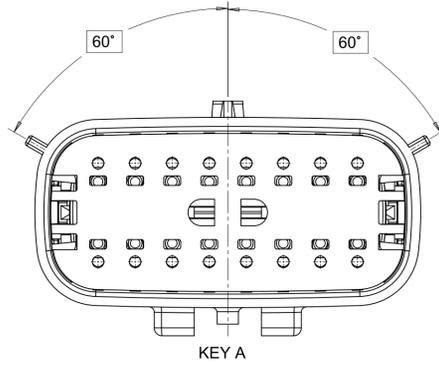


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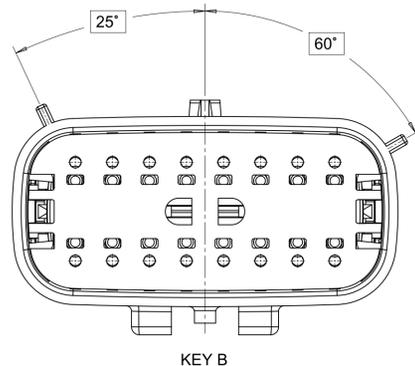


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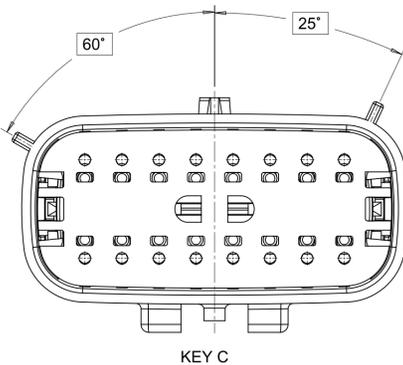
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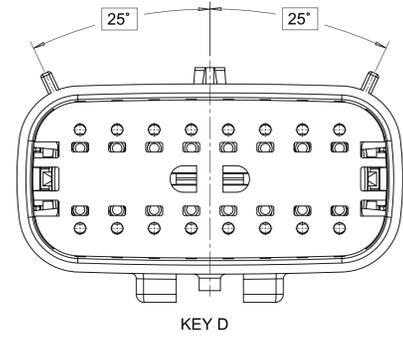
KEY A



KEY B

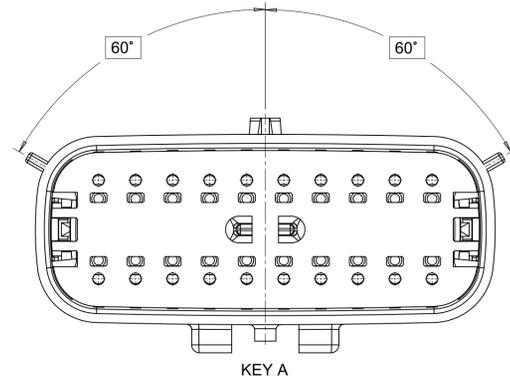


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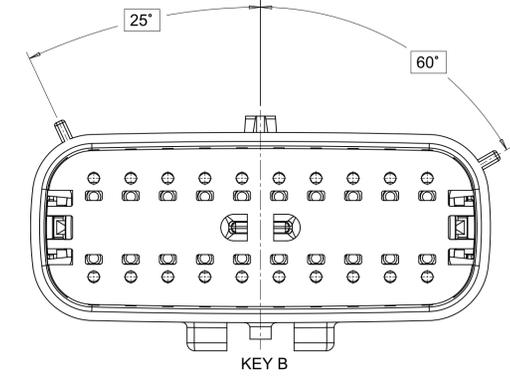


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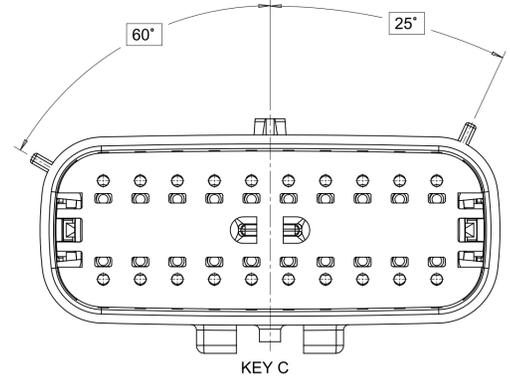
2X10



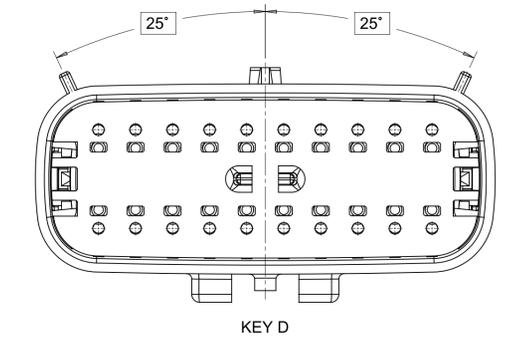
KEY A



KEY B



KEY C



KEY D

<b>FUNCTIONAL SYMBOLS</b> FA = 0 FC = 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:	
	DIMENSION UNITS	SCALE	STATUS: Production	
	mm	3:1	DRWN: Yann Chen	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: Yu Chao Fu	
ANGULAR TOL ± 1'		APPR: Elvis Song		2023-09-26
4 PLACES ±		2023-09-26		2023-09-27
3 PLACES ±		2023-09-27		
2 PLACES ± 0.100		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
1 PLACE ± 0.20		THIRD ANGLE PROJECTION		
0 PLACES ±		DRAWING		
		A1-SIZE		
		SERIES		
		33482		
		MATERIAL NUMBER		
		CUSTOMER		
		GENERAL MARKET		
		SHEET NUMBER		
		4 OF 11		

**molex**

MX150 BLADE  
DUAL ROW SEALED ASSEMBLY

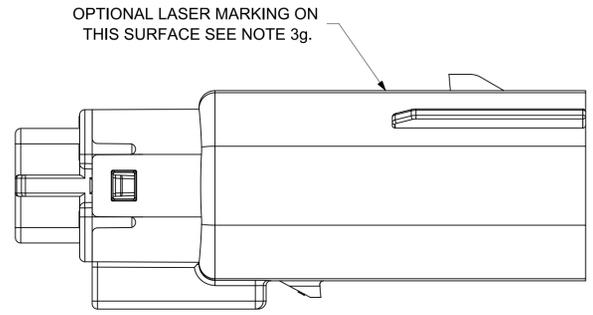
PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33482-0001	PSD	001	E3

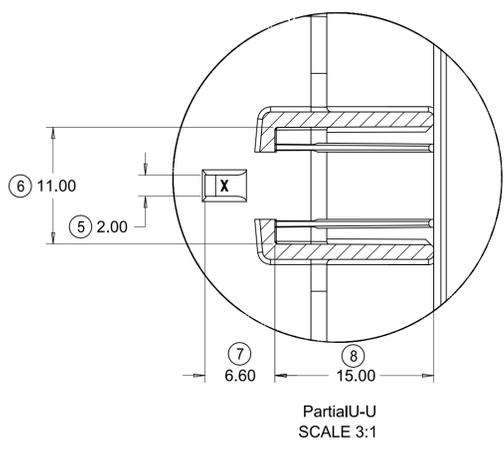
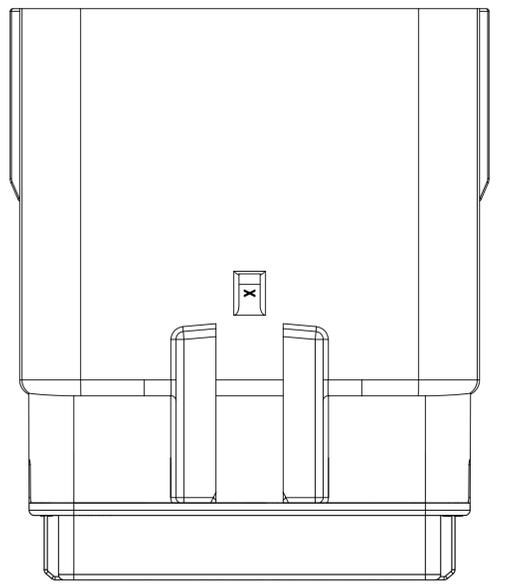
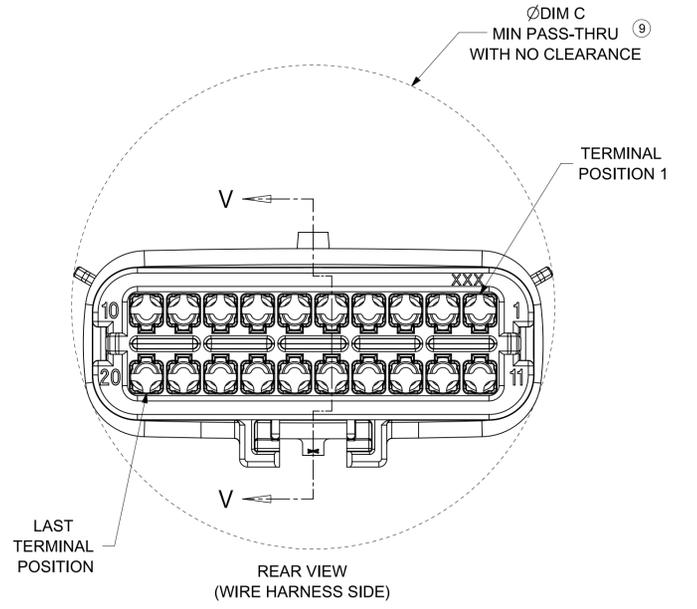
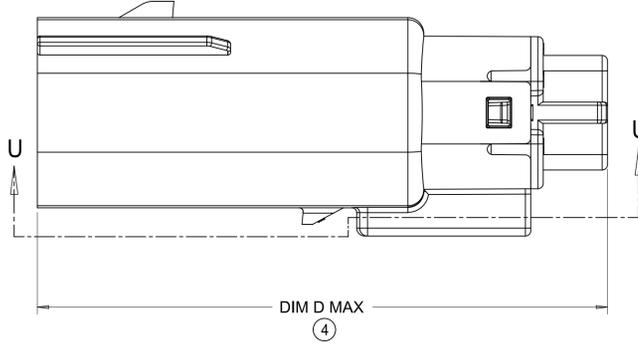
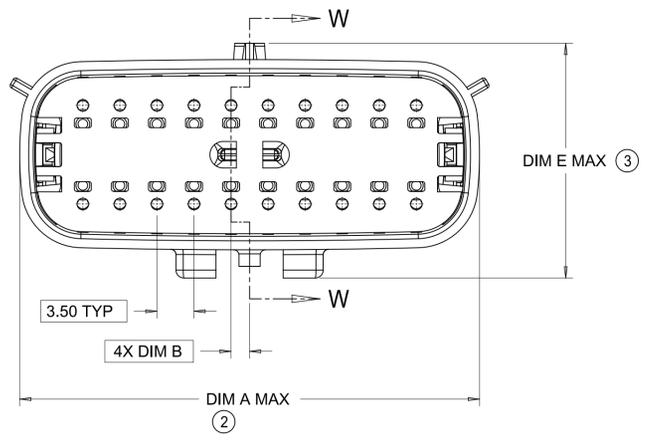
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	4 OF 11

SHEET DESCRIPTION	
BLADE SEALED ASSEMBLY	

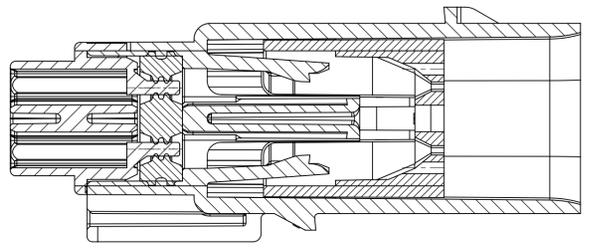
CHARTED DIMENSION					
DESCRIPTION	DIMENSIONS				
	A	B	C	D	E
2X2	15.54	1.75	24.40	54.45	22.23
2X3 STANDARD	19.04	3.50	26.21	54.45	22.23
2X3 LENGTHENED	19.04	3.50	26.21	56.45	22.23
2X4	22.54	1.75	27.21	54.45	22.23
2X6	29.54	1.75	32.27	54.45	22.23
2X8	36.54	1.75	38.88	54.45	22.23
2X10	43.64	1.75	45.65	54.45	22.05



OPTIONAL LASER MARKING ON THIS SURFACE SEE NOTE 3g.

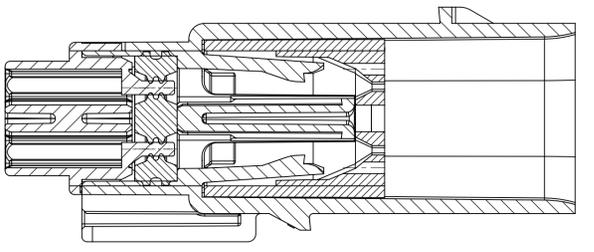


Partial U-U  
SCALE 3:1



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN IN PRE-STAGED POSITION

SECTION W-W



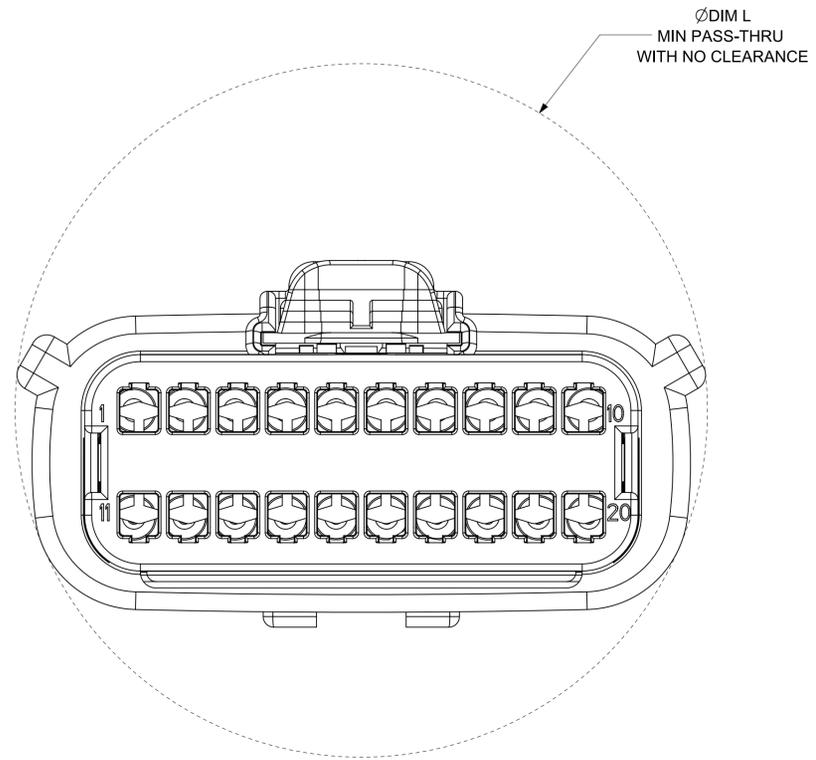
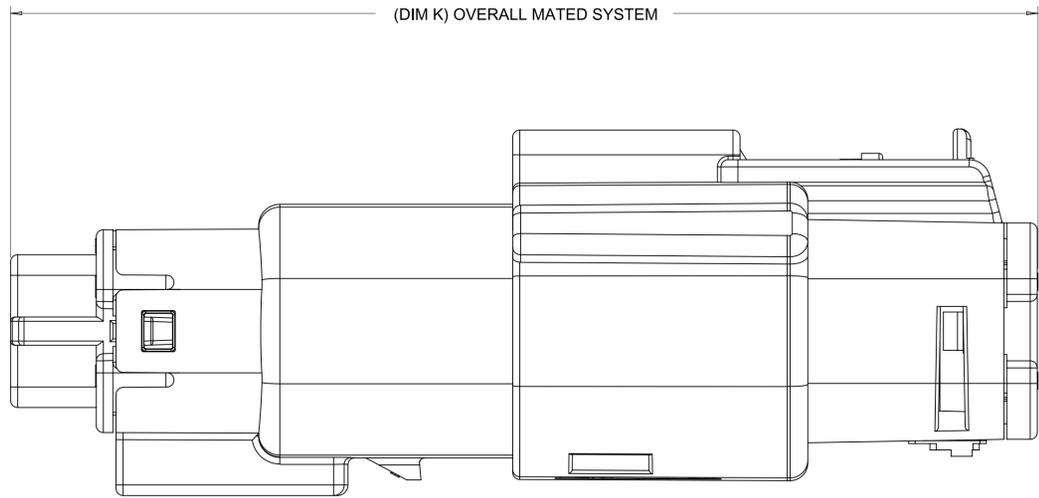
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN IN FINAL-LOCK POSITION

SECTION V-V

<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:		
	DIMENSION UNITS	SCALE	STATUS: Production		
	mm	3:1	DRWN: Yann Chen		
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: Yu Chao Fu		
ANGULAR TOL ± 1°		APPR: Elvis Song		2023-09-26	DOCUMENT NUMBER
4 PLACES ±		2023-09-26		SD-33482-0001	DOC TYPE   DOC PART   REVISION
3 PLACES ±		2023-09-27		PSD 001 E3	
2 PLACES ± 0.100		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	MATERIAL NUMBER
1 PLACE ± 0.20		DRAWING		A1-SIZE	CUSTOMER
0 PLACES ±		SERIES		33482	GENERAL MARKET
		SHEET NUMBER		5 OF 11	

SHEET DESCRIPTION
SYSTEM PACKAGING

CHARTED DIMENSION				
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS	
			K	L
2X2	STANDARD	W/O CLIPSLOT	72.78	28.00
		W/ CLIPSLOT	72.78	28.50
		LENGTHENED	77.21	28.00
2X3	STANDARD	W/O CLIPSLOT	72.78	28.00
		W/ CLIPSLOT		30.50
	LENGTHENED	W/O CLIPSLOT	74.79	28.00
		W/ CLIPSLOT		30.50
2X4	STANDARD	W/O CLIPSLOT	72.78	29.50
		W/ CLIPSLOT		31.50
2X6	STANDARD	W/O CLIPSLOT	72.79	35.58
		W/ CLIPSLOT		
2X8	STANDARD	W/O CLIPSLOT	72.67	42.25
		W/ CLIPSLOT		
2X10	STANDARD	STANDARD	72.78	49.05

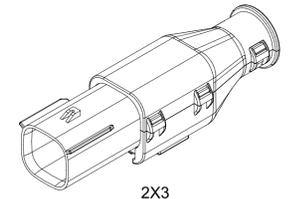


<b>FUNCTIONAL SYMBOLS</b> $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$ <b>DIVISIONAL SYMBOLS</b> 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.100 1 PLACE ± 0.20 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>mm</b> SCALE: <b>4:1</b>		CURRENT REV DESC:  STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song		<b>molex</b>  MX150 BLADE DUAL ROW SEALED ASSEMBLY  PRODUCT SALES DRAWING	
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1°		2023-09-26 2023-09-26 2023-09-27		DOCUMENT NUMBER: <b>SD-33482-0001</b> DOC TYPE: PSD DOC PART: 001 REVISION: <b>E3</b>	
	THIRD ANGLE PROJECTION		DRAWING: <b>A1-SIZE</b> SERIES: <b>33482</b>		MATERIAL NUMBER: CUSTOMER: <b>GENERAL MARKET</b> SHEET NUMBER: <b>6 OF 11</b>	

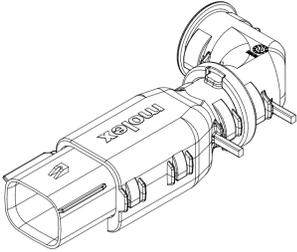
SHEET DESCRIPTION  
BACKSHELL NOTES

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

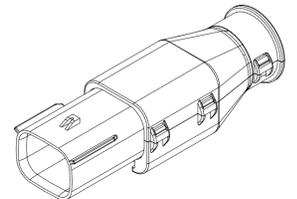
1. GENERAL:  
a. APPLICATION SPECIFICATION SEE: AS-34951-001  
-DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33482-0001.  
-SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.  
-COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.  
-DESIGN IS OWNED BY SCHLEMMER FOR SCHLEMMER BACKSHELL.  
-DESIGN IS OWNED BY MOLEX FOR MOLEX BACKSHELL.  
-90° ADAPTOR DESIGN IS OWNED BY MOLEX.  
-FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34950-0001.



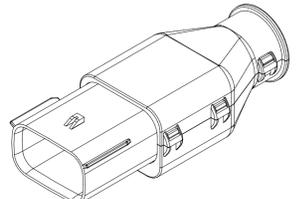
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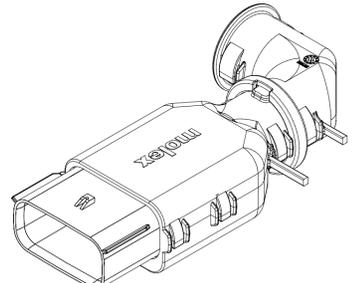
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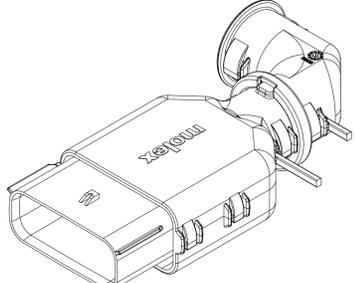
2X4



2X6



2X8



2X10

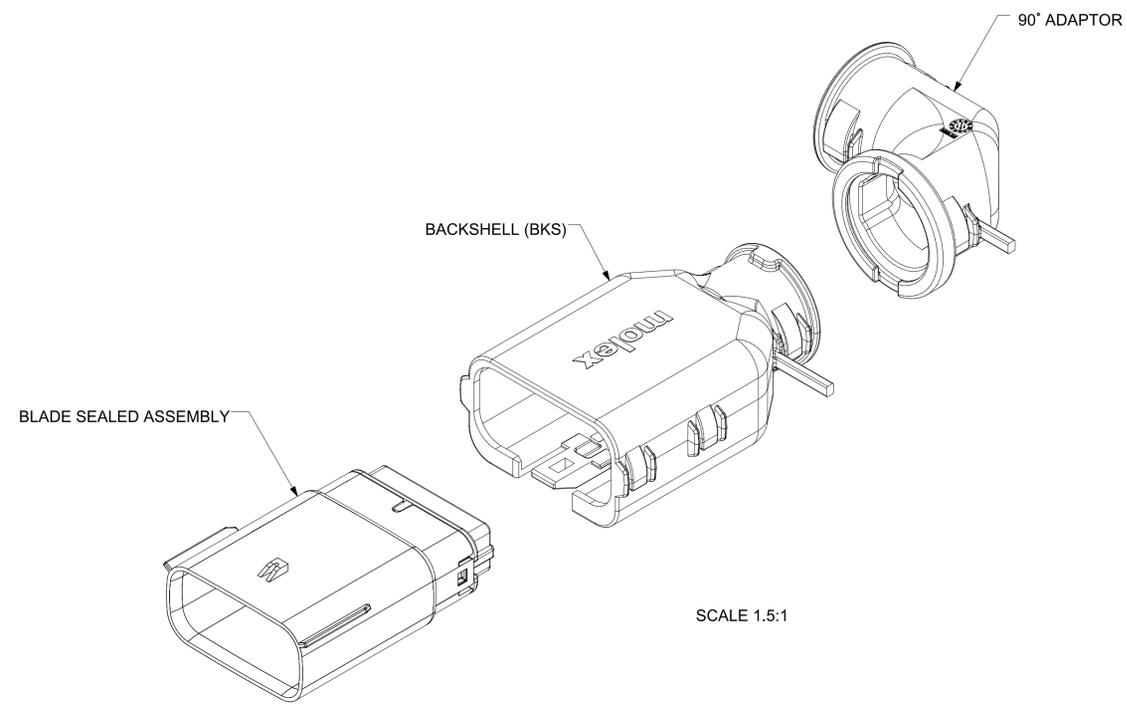
BACKSHELL CUSTOMER MODEL NUMBER LEGEND

34950-XXXX

- CUSTOMER MODEL COMPONENTS  
0 - SCHLEMMER BACKSHELL ONLY  
1 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY A ASSEMBLY  
2 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY B ASSEMBLY  
3 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY C ASSEMBLY  
4 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY D ASSEMBLY  
5 - MOLEX BACKSHELL ONLY  
6 - MOLEX BACKSHELL & MX150 HOUSING KEY A ASSEMBLY  
7 - MOLEX BACKSHELL & MX150 HOUSING KEY B ASSEMBLY  
8 - MOLEX BACKSHELL & MX150 HOUSING KEY C ASSEMBLY  
9 - MOLEX BACKSHELL & MX150 HOUSING KEY D ASSEMBLY

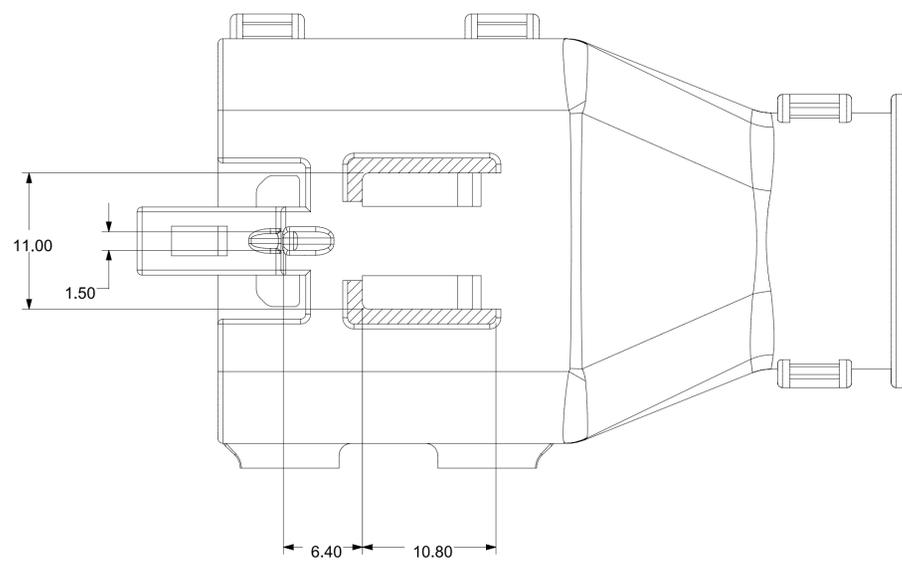
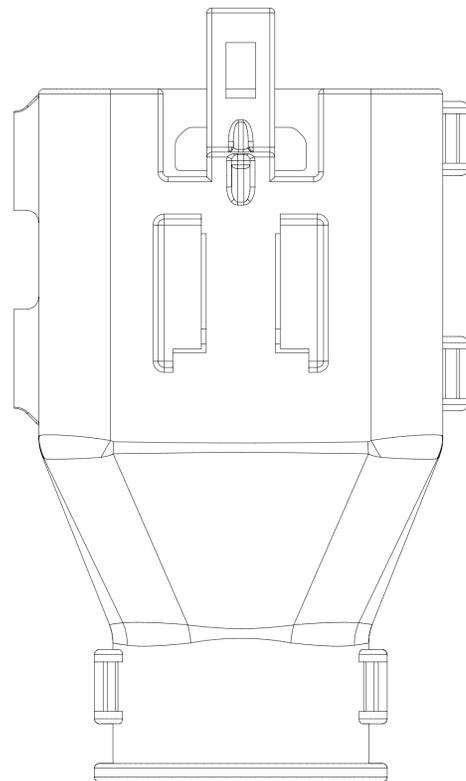
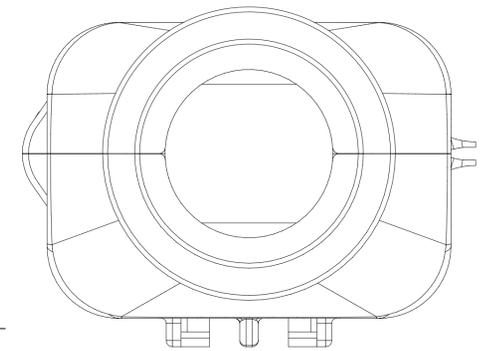
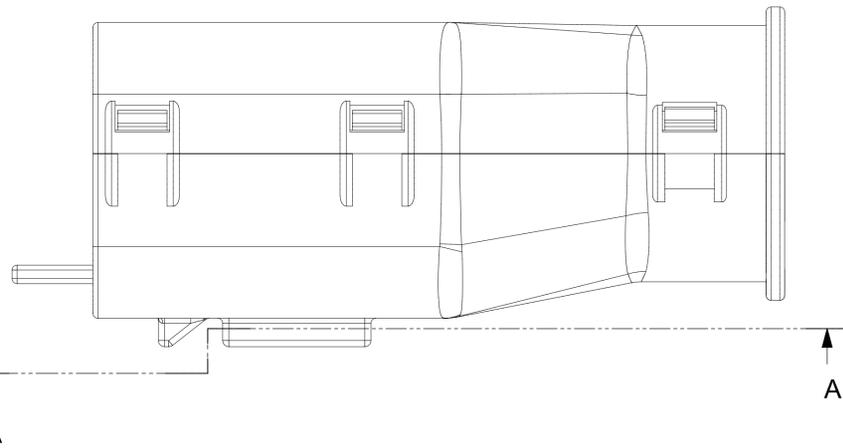
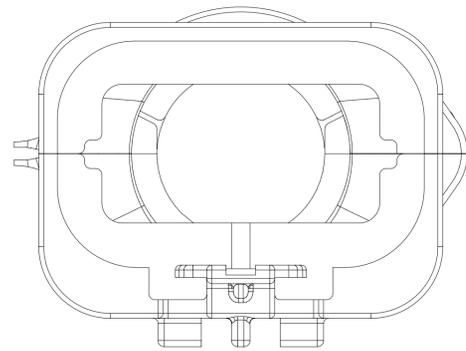
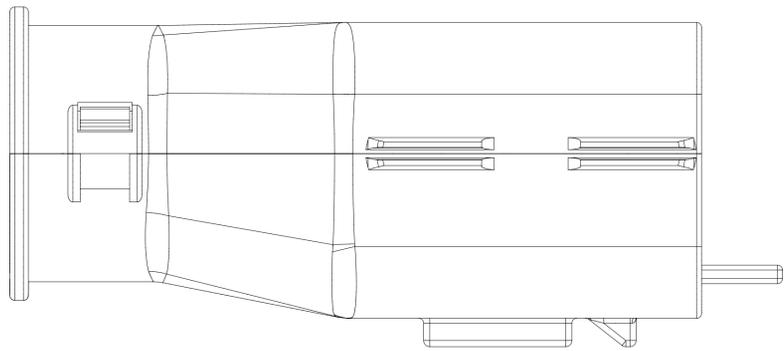
- BACKSHELL FEATURES  
1 - WITH RIBS  
2 - WITHOUT RIBS  
3 - 90° ADAPTOR

MX150 CIRCUIT SIZE 04, 06, 08, 12, 16, 20



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:					
	DIMENSION UNITS	SCALE						
$\frac{E}{A} = 0$	mm	1.5:1	DRWN: Yann Chen	2023-09-26	SD-33482-0001	PSD	001	E3
$\frac{E}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: Yu Chao Fu	2023-09-27	PRODUCT SALES DRAWING			
$\frac{E}{P} = 0$	ANGULAR TOL ± 1°		APPR: Elvis Song		GENERAL MARKET			
DIVISIONAL SYMBOLS	4 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	SHEET NUMBER
	3 PLACES	±				A1-SIZE	33482	7 OF 11
	2 PLACES	± 0.100						
	1 PLACE	± 0.20						
	0 PLACES	±						

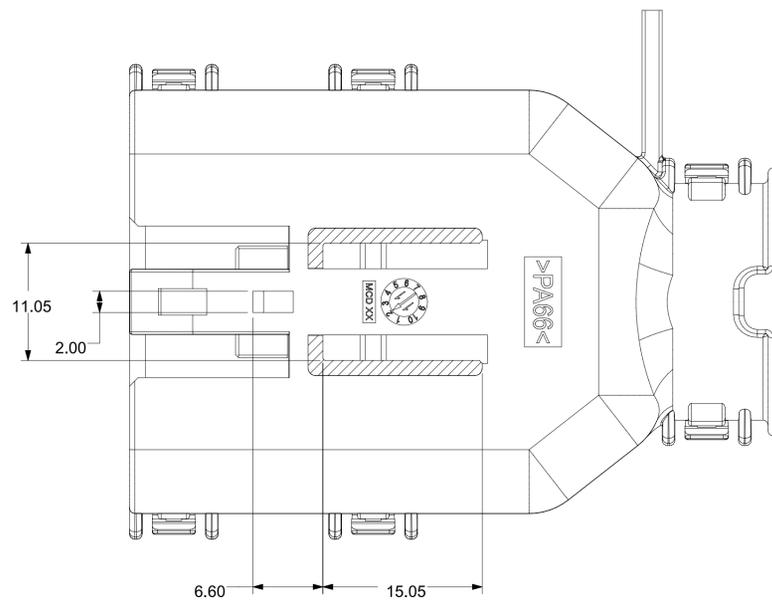
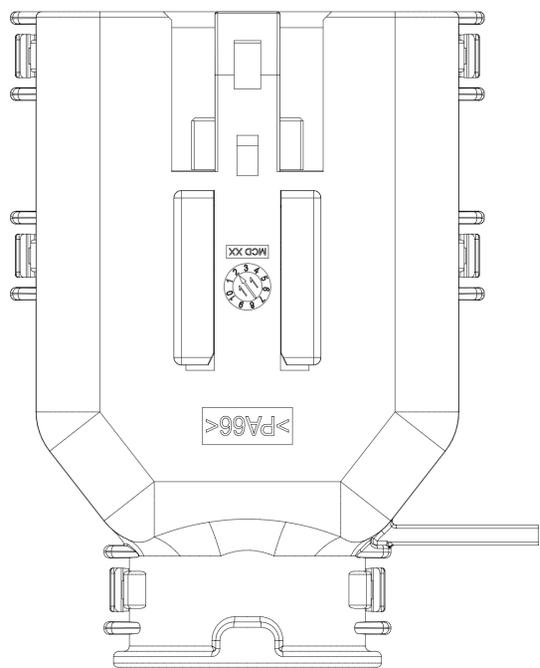
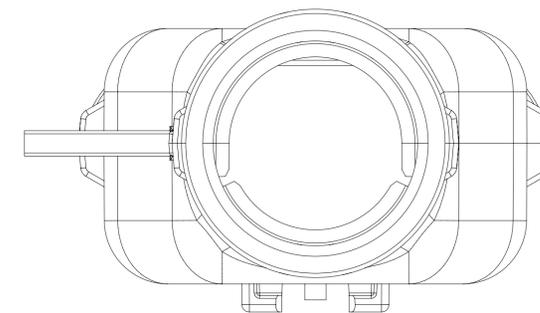
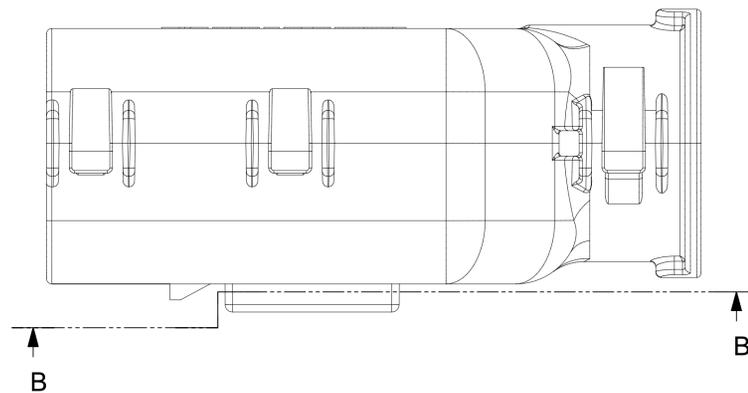
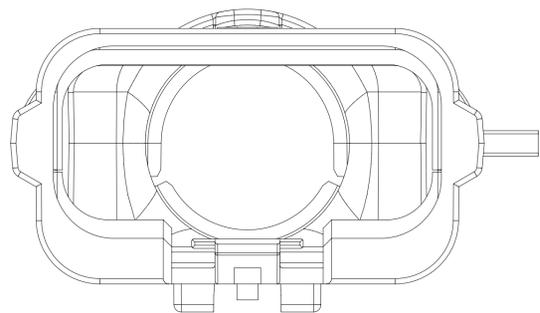
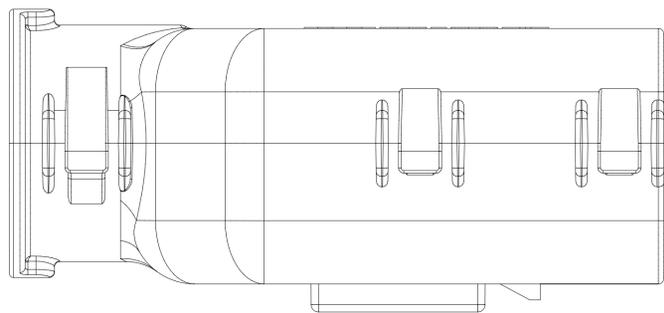
SHEET DESCRIPTION  
SCHLEMMER BACKSHELL



SECTION A-A

<b>FUNCTIONAL SYMBOLS</b> $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$ <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: <b>mm</b> SCALE: <b>3.5:1</b> GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL: $\pm 1^\circ$ 4 PLACES: $\pm$ 3 PLACES: $\pm$ 2 PLACES: $\pm 0.100$ 1 PLACE: $\pm 0.20$ 0 PLACES: $\pm$ DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CURRENT REV DESC:  STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song	2023-09-26 2023-09-26 2023-09-27	<b>molex</b>  MX150 BLADE DUAL ROW SEALED ASSEMBLY  PRODUCT SALES DRAWING	DOCUMENT NUMBER: <b>SD-33482-0001</b> DOC TYPE: PSD DOC PART: 001 REVISION: <b>E3</b>	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: <b>A1-SIZE</b>	SERIES: <b>33482</b>	MATERIAL NUMBER:	CUSTOMER: <b>GENERAL MARKET</b>
					SHEET NUMBER: <b>8 OF 11</b>	

SHEET DESCRIPTION  
MOLEX BACKSHELL

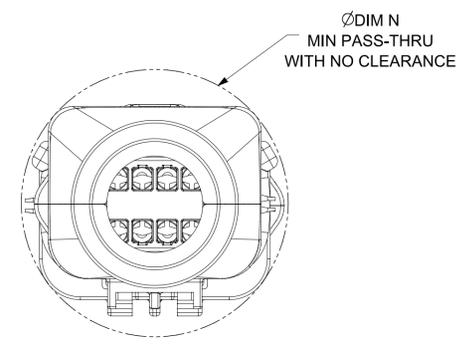
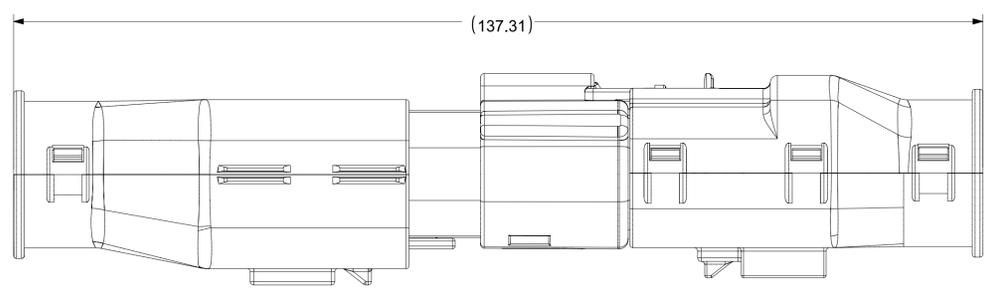


SECTION B-B

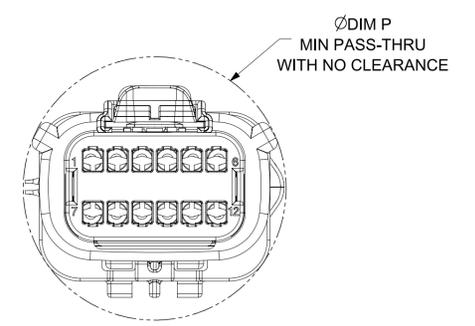
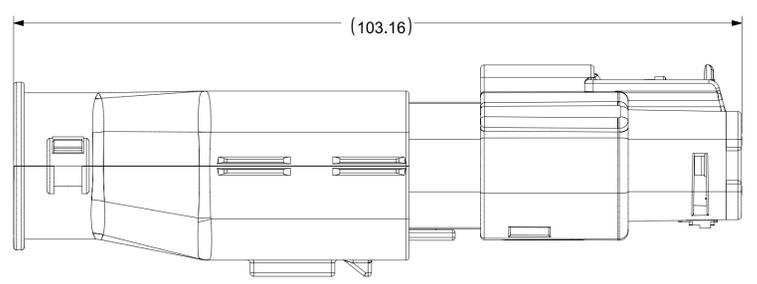
<b>FUNCTIONAL SYMBOLS</b> $\frac{E}{A} = 0$ $\frac{E}{C} = 0$ $\frac{E}{D} = 0$ <b>DIVISIONAL SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		<b>CURRENT REV DESC:</b>  STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song					
	DIMENSION UNITS	SCALE						
	mm	3:1	SD-33482-0001					
	GENERAL TOLERANCES (UNLESS SPECIFIED)		DOC TYPE   DOC PART   REVISION					
ANGULAR TOL ± 1°		PSD 001 E3						
4 PLACES ±		PRODUCT SALES DRAWING						
3 PLACES ±		SERIES						
2 PLACES ± 0.100		33482						
1 PLACE ± 0.20		MATERIAL NUMBER						
0 PLACES ±		CUSTOMER						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		GENERAL MARKET						
THIRD ANGLE PROJECTION		SHEET NUMBER						
		9 OF 11						
A1-SIZE								

SHEET DESCRIPTION  
SCHLEMMER BACKSHELL CONFIGURATIONS

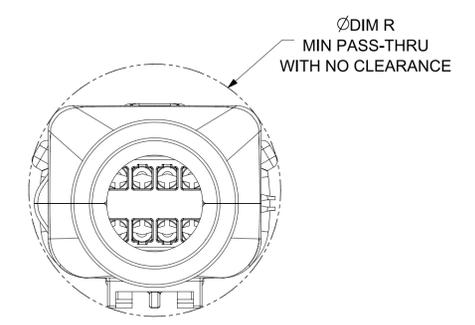
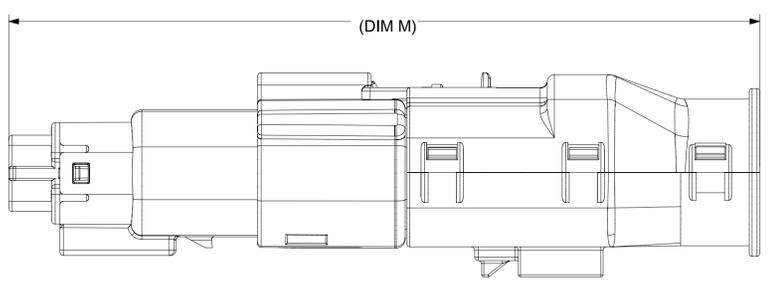
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	T
2X3	STANDARD	STANDARD	106.83	32.75	31.75	29.00	29.50
	LENGTHENED		108.71				
2X4	STANDARD	STANDARD	106.83	33.50	31.90	30.70	30.70
2X6	STANDARD	STANDARD	106.83	37.84	37.27	35.83	36.83



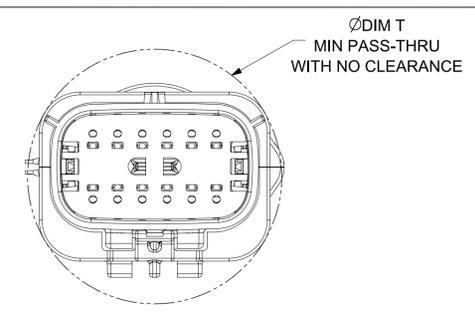
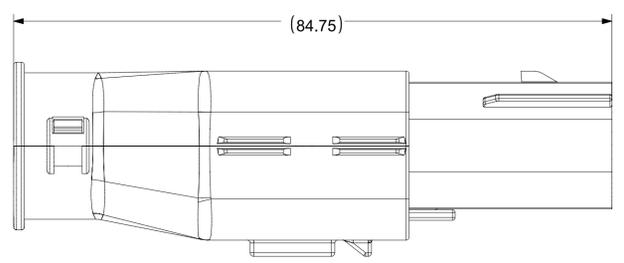
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

<b>FUNCTIONAL SYMBOLS</b> $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$ <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: <b>mm</b>	SCALE: <b>2:1</b>	CURRENT REV DESC:			
	GENERAL TOLERANCES (UNLESS SPECIFIED)	STATUS: Production			2023-09-26		
	ANGULAR TOL $\pm$ 1'	DRWN: Yann Chen			2023-09-26		
	4 PLACES $\pm$	CHK'D: Yu Chao Fu			2023-09-27		
3 PLACES $\pm$	APPR: Elvis Song			2023-09-27			
2 PLACES $\pm$ 0.100	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION			DRAWING: <b>A1-SIZE</b>	SERIES: <b>33482</b>	DOCUMENT NUMBER: <b>SD-33482-0001</b>
1 PLACE $\pm$ 0.20		MATERIAL NUMBER: <b>GENERAL MARKET</b>			DOC TYPE: <b>PSD</b>	DOC PART: <b>001</b>	REVISION: <b>E3</b>
0 PLACES $\pm$	SHEET NUMBER: <b>10 OF 11</b>						

**molex**

MX150 BLADE  
DUAL ROW SEALED ASSEMBLY

PRODUCT SALES DRAWING

DOCUMENT NUMBER: **SD-33482-0001** | DOC TYPE: **PSD** | DOC PART: **001** | REVISION: **E3**

MATERIAL NUMBER: **GENERAL MARKET**

DRAWING: **A1-SIZE**

SERIES: **33482**

THIRD ANGLE PROJECTION

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

STATUS: Production

DRWN: Yann Chen

CHK'D: Yu Chao Fu

APPR: Elvis Song

2023-09-26

2023-09-26

2023-09-27

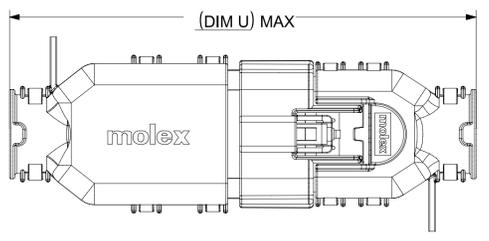
PRODUCT SALES DRAWING

MX150 BLADE  
DUAL ROW SEALED ASSEMBLY

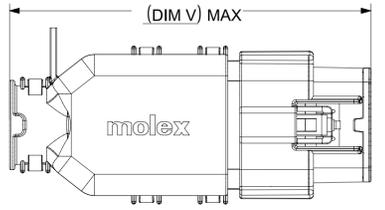
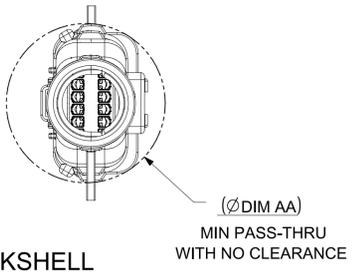
GENERAL MARKET

PSD 001 E3

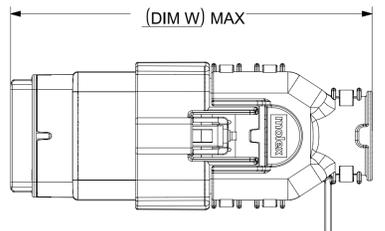
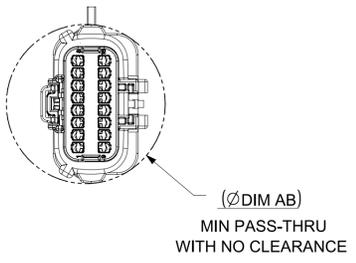
SHEET DESCRIPTION  
MOLEX BACKSHELL CONFIGURATIONS



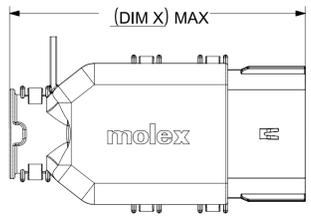
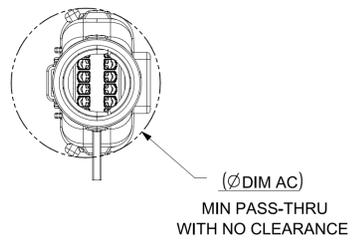
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



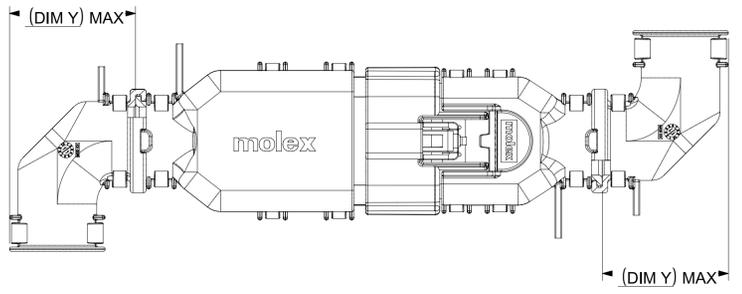
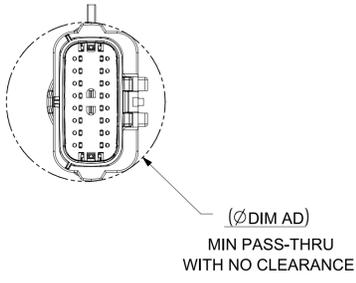
OVERALL MATED SYSTEM WITH BLADE BACKSHELL



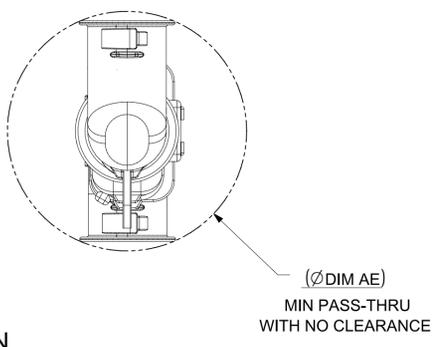
OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL



ADD THE VALUE OF 'Y' TO THE TOTAL DIMENSION WHENEVER ADAPTOR IS USED



CHARTED DIMENSIONS

CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS									
			U	V	W	X	Y	AA	AB	AC	AD	AE
2X4	STANDARD	STANDARD	115.24	94.36	93.93	75.62	32.10	32.93	32.54	32.85	31.76	56.81
2X8	STANDARD	STANDARD	132.49	102.81	102.73	84.07	36.10	45.44	45.44	42.65	45.44	68.18
2X10	STANDARD	STANDARD	132.49	102.81	102.73	84.07	36.10	45.44	45.44	42.65	45.44	68.18

<b>FUNCTIONAL SYMBOLS</b> $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		<p>MX150 BLADE DUAL ROW SEALED ASSEMBLY</p> <p>PRODUCT SALES DRAWING</p>
	DIMENSION UNITS	SCALE	GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	1:1	ANGULAR TOL ± 1°		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song		
DIVISIONAL SYMBOLS		THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER
			A1-SIZE	33482	SD-33482-0001
		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
		GENERAL MARKET		11 OF 11	

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3	SCHLEMMER BACKSHELL DETAIL
4	MOLEX BACKSHELL DETAIL

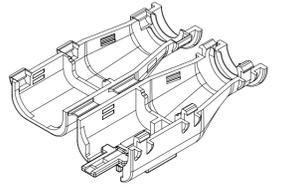
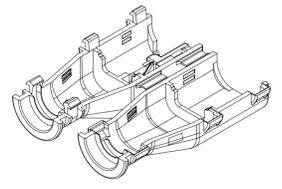
BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
  - a. APPLICATION SPECIFICATION SEE: AS-34951-001
    - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN SD-33482-0001.
    - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY
  - b. MOLEX DESIGN PRODUCT SPECIFICATION SEE: TBD
    - BACKSHELL DESIGN IS OWNED BY MOLEX.
  - c. OUTSOURCED DESIGN PRODUCT SPECIFICATION
    - BACKSHELLS WERE DESIGNED BY SCHLEMMER.
    - THESE PRODUCTS ARE ONE TIME USE ONLY.
    - REMOVAL FORCE OF THE BACKSHELL FROM THE MOLEX CONNECTOR TO BE 100N MIN.
    - REMOVAL FORCE OF SLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
    - REMOVAL FORCE OF UNSLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
  - d. PACKAGING SPECIFICATION: SEE BOM
  - e. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
  - f. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
  - g. FOLLOWING PRODUCTION CODES TO BE PRESENT
    - DATE CODE
    - MOLD CAVITY CODE
    - MOLEX LOGO
    - RECYCLE CODE
    - SUPPLIER PART NUMBER - SCHLEMMER PARTS ONLY

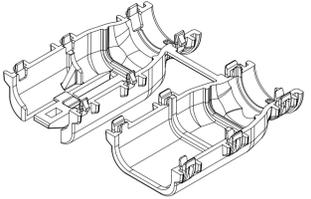
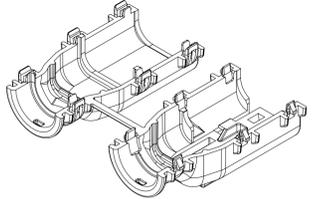
2. DESIGN - MATERIALS:
  - a. PA66 0% GLASS FILLED
  - b. BLACK

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 COSMETIC STANDARD PS-45499-002 (CLASS C).
  - e. ALLOWABLE FLASH, PARTING LINES MISMATCH, EJECTOR PINS MARK, AND GATE VESTIGE TO BE +0.30 MAX PROTUSION.

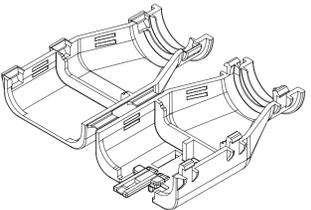
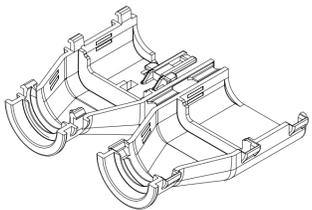
BILL OF MATERIALS (BOM)								
DESCRIPTION	PART NUMBER	CIRCUIT SIZE	COLOR	RIBS	CONVOLUTE SIZE	PACKAGING DRAWING NUMBER	STATUS	DESIGN
2X3, WITH RIB	34950-0610	2X3	BLACK	YES	9 mm DELPHI	PK-31302-118	SALEABLE	OUTSOURCED
2X3, WITHOUT RIB	34950-0620	2X3	BLACK	NO	9 mm DELPHI	PK-31302-118	SALEABLE	OUTSOURCED
2X4, WITH RIB	34950-0811	2X4	BLACK	YES	NW 12 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X4, WITHOUT RIB	34950-0821	2X4	BLACK	NO	NW 12 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X6, WITH RIB	34950-1210	2X6	BLACK	YES	13 mm DELPHI	PK-31302-118	SALEABLE	OUTSOURCED
2X6, WITHOUT RIB	34950-1220	2X6	BLACK	NO	13 mm DELPHI	PK-31302-118	SALEABLE	OUTSOURCED
2X8, WITH RIB	34950-1611	2X8	BLACK	YES	NW 16 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X8, WITHOUT RIB	34950-1621	2X8	BLACK	NO	NW 16 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X10, WITH RIB	34950-2011	2X10	BLACK	YES	NW 16 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X10, WITHOUT RIB	34950-2021	2X10	BLACK	NO	NW 16 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX



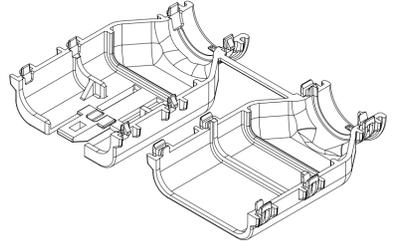
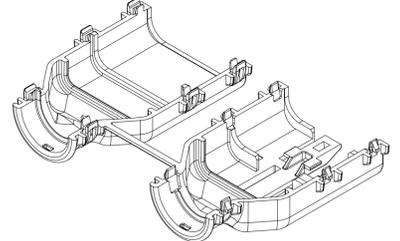
2X3 BLADE



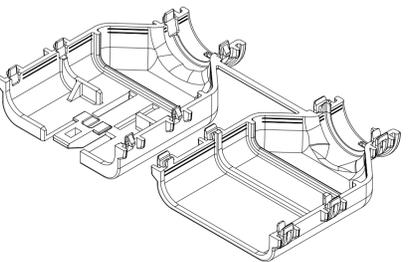
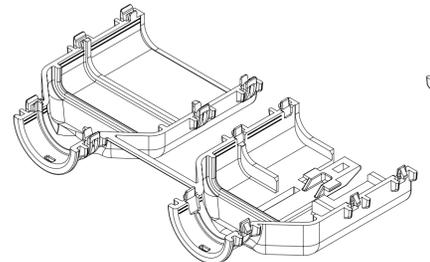
2X4 BLADE



2X6 BLADE



2X8 BLADE



2X10 BLADE

B13	UPDATED LOGO LOCATION FOR SCHLEMMER BACKSHELL ON SHEET 3
B12	UPDATE NOTE 1C AND BOM MFG COLUMN
B11	CHANGED DIMS ON SHEET 3 TO MATCH E DWG
B10	UPDATED BACKSHELL MANUFACTURER
B9	CHANGED PARTS STATUS TO SALEABLE
B8	ADDED BALLOON NO. 99
B7	UPDATED BALLOON NUMBERS
B6	UPDATED RIB AND WEDGE FEATURES
B4	UPDATED DIM 26 28 30 32
B3	UPDATED TOLERANCES
B2	ADDED BALLOONS & UPDATED BOM
B1	UPDATED NOTES
B	MIGRATION & ADDED MOLEX PART NUMBERS
A6	UPDATED BILL OF MATERIALS
A5	UPDATED STATUS COLUMN
A4	MINOR NOMENCLATURE CLEAN UP
A3	UPDATED VIEWSET & NOTES
A2	UPDATED REFERENCE DRAWINGS
A1	UPDATED NOTES
A	INITIAL RELEASE
REV	DESCRIPTION

INSPECTION NUMBER LOG	
LAST NUMBER:	1 - 5
ADDED:	26 28 30 32 34 35 36 48 98 99
REMOVED:	26 30

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: Updated logo location	
$\frac{F}{A} = 0$	DIMENSION UNITS	SCALE			
$\frac{F}{C} = 0$	mm	1:1			
$\frac{F}{P} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)				
	ANGULAR TOL	± 3'			
	4 PLACES	±			
	3 PLACES	±			
	2 PLACES	± 0.100			
	1 PLACE	± 0.20			
	0 PLACES	±			
DIVISIONAL SYMBOLS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
		THIRD ANGLE PROJECTION	DRAWING	SERIES	
			A1-SIZE	34950	
		STATUS: Production		2023-02-01	
		DRWN: Yuki Song		2024-08-20	
		CHK'D: Yu Chao Fu		2024-08-21	
		APPR: Elvis Song			
		MATERIAL NUMBER		CUSTOMER	
		SD-34950-0001		GENERAL MARKET	
		DOCUMENT NUMBER		SHEET NUMBER	
		PSD 001 B13		1 OF 4	

**molex**

MX150 DUAL ROW BLADE BACKSHELLS

PRODUCT CUSTOMER DRAWING

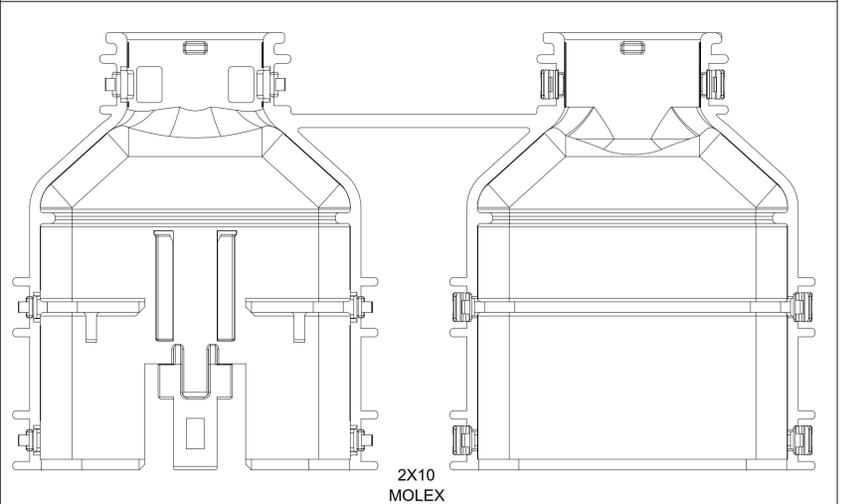
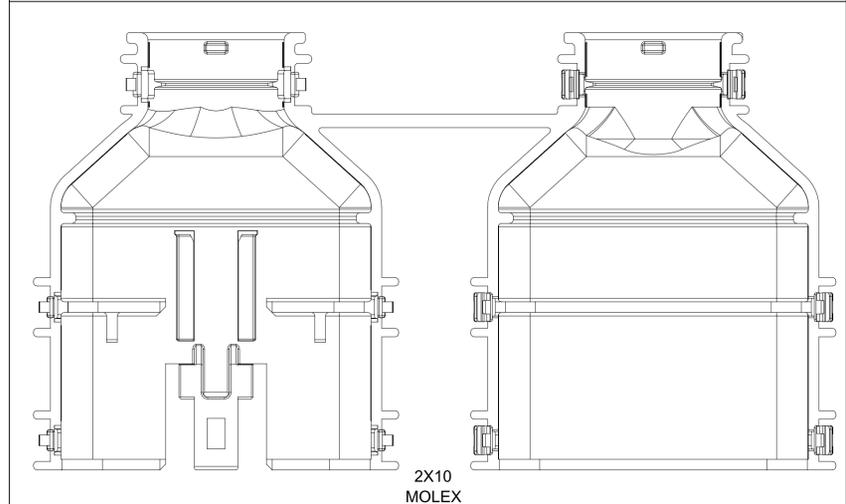
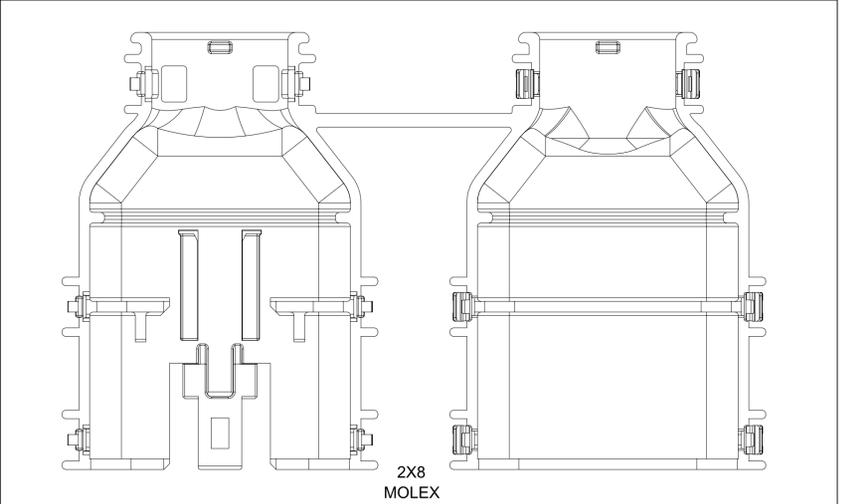
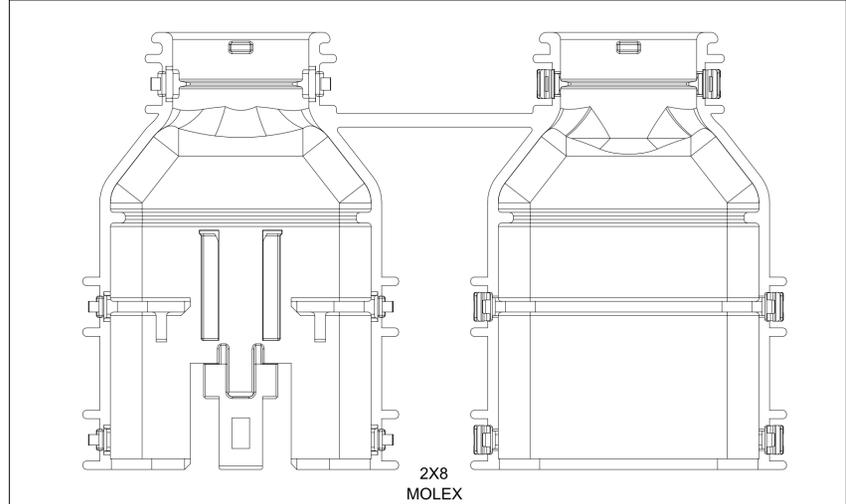
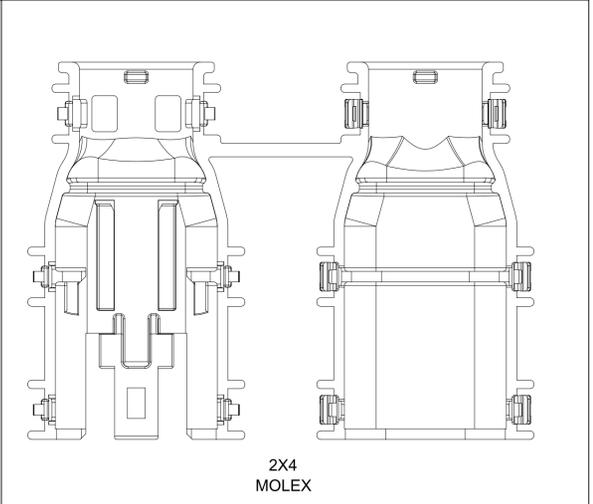
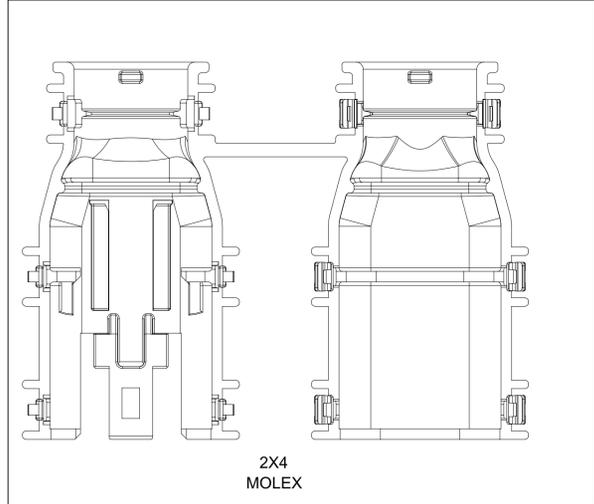
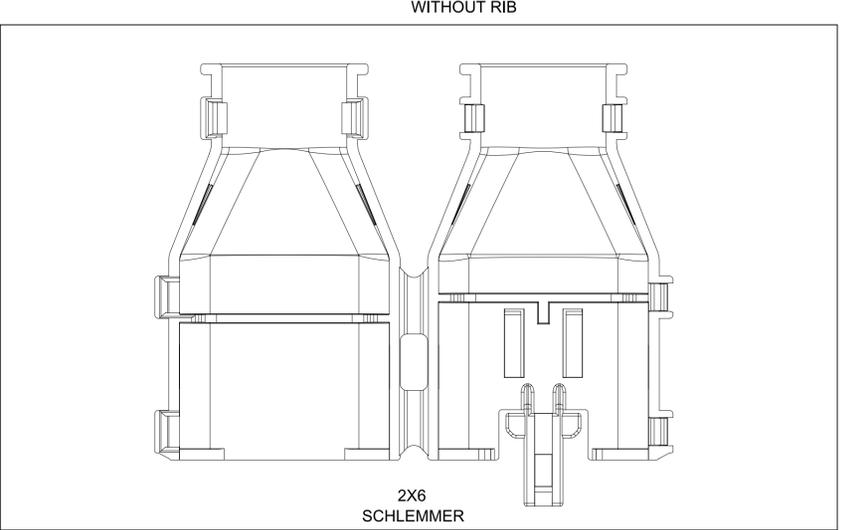
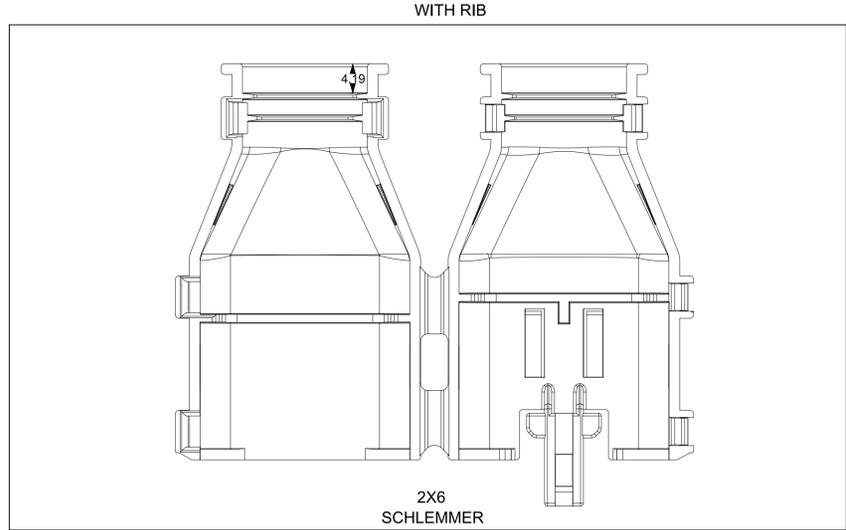
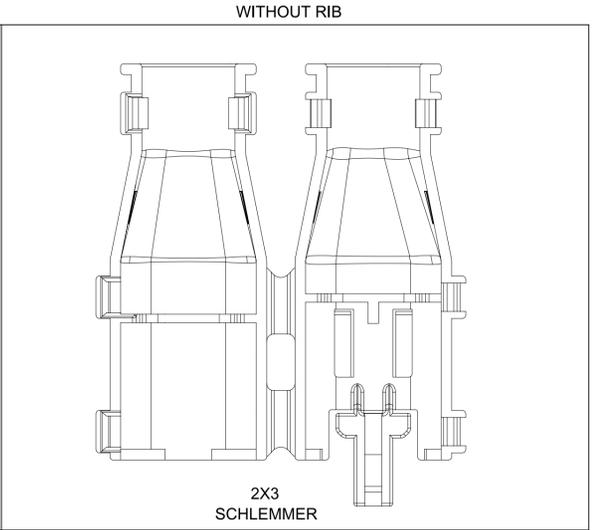
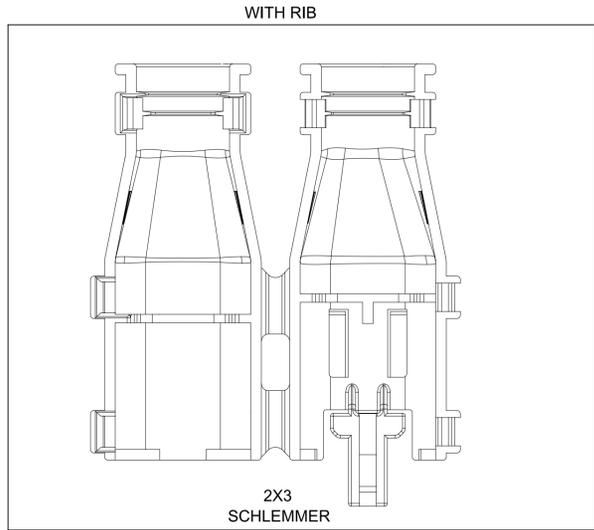
DOCUMENT NUMBER DOC TYPE DOC PART REVISION

SD-34950-0001 PSD 001 B13

MATERIAL NUMBER CUSTOMER SHEET NUMBER

34950 GENERAL MARKET 1 OF 4

SHEET DESCRIPTION  
CONFIGURATIONS



<p>FUNCTIONAL SYMBOLS</p> <p><math>\frac{F}{A} = 0</math></p> <p><math>\frac{F}{C} = 0</math></p> <p><math>\frac{F}{D} = 0</math></p> <p>DIVISIONAL SYMBOLS</p>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: Updated logo location	
	DIMENSION UNITS	SCALE		
	mm	2:1		
	GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL $\pm$ 3'				
4 PLACES $\pm$				
3 PLACES $\pm$				
2 PLACES $\pm$ 0.100				
1 PLACE $\pm$ 0.20				
0 PLACES $\pm$				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			A1-SIZE	34950
		STATUS: Production		2023-02-01
		DRWN: Yuki Song		2024-08-20
		CHK'D: Yu Chao Fu		2024-08-21
		APPR: Elvis Song		
		DOCUMENT NUMBER		DOC TYPE   DOC PART   REVISION
		SD-34950-0001		PSD   001   B13
		MATERIAL NUMBER		CUSTOMER
		GENERAL MARKET		SHEET NUMBER
				2 OF 4

**molex**

MX150 DUAL ROW BLADE BACKSHELLS

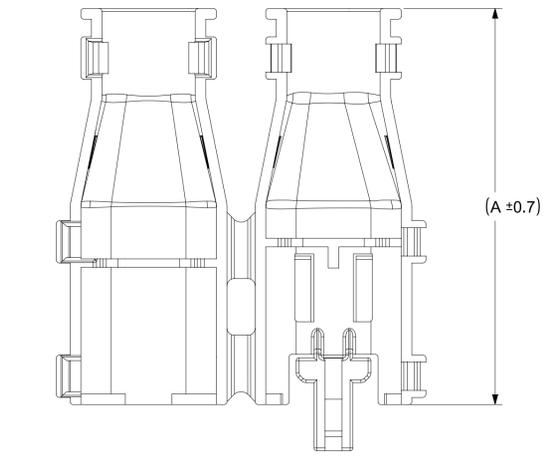
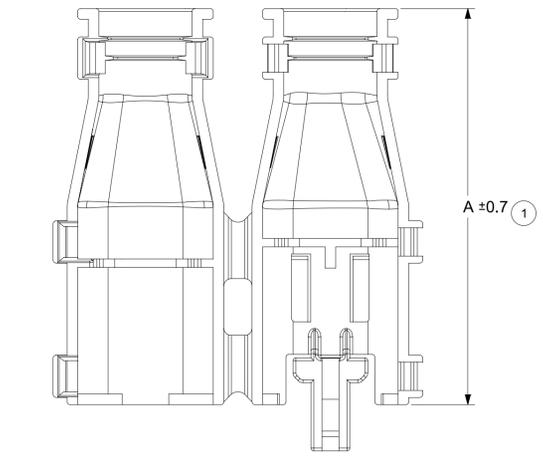
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-34950-0001 | DOC TYPE: PSD | DOC PART: 001 | REVISION: B13

MATERIAL NUMBER: GENERAL MARKET | SHEET NUMBER: 2 OF 4

SHEET DESCRIPTION	
SCHLEMMER BACKSHELL DETAIL	

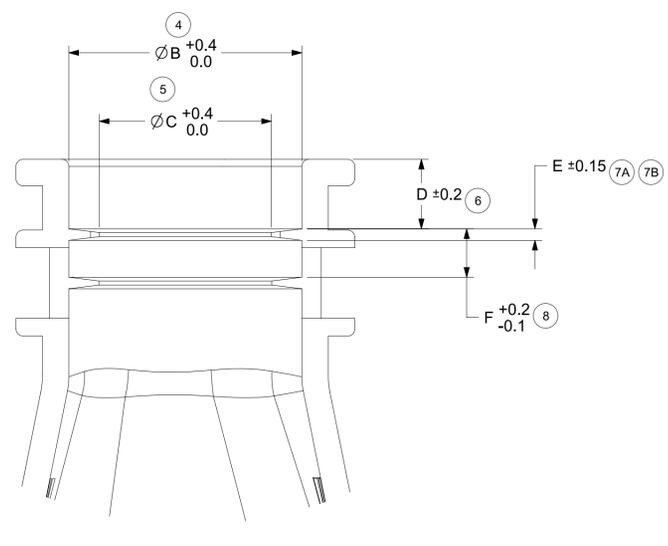
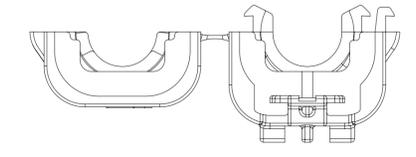
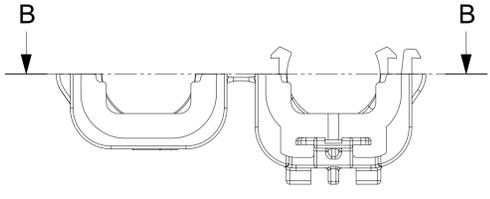
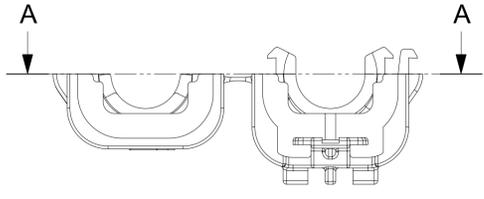
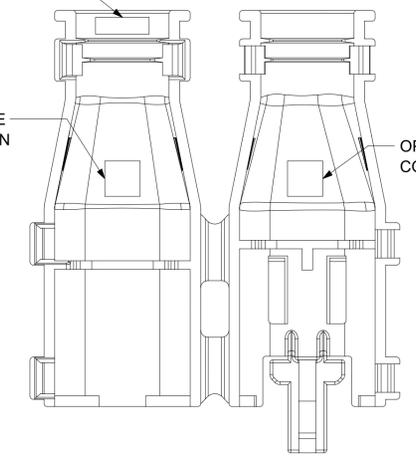
PART NUMBER	CHARTED DIMENSION					
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2X3, WITH RIB	56.00	13.20	9.80	3.90	0.65	2.70
2X3, WITHOUT RIB	56.00	13.20	N/A	N/A	N/A	N/A
2X4, WITH RIB	TBD	TBD	TBD	TBD	TBD	TBD
2X4, WITHOUT RIB	TBD	TBD	TBD	TBD	TBD	TBD
2X6, WITH RIB	56.00	17.70	13.6	4.2	0.83	3.10
2X6, WITHOUT RIB	56.00	17.70	N/A	N/A	N/A	N/A



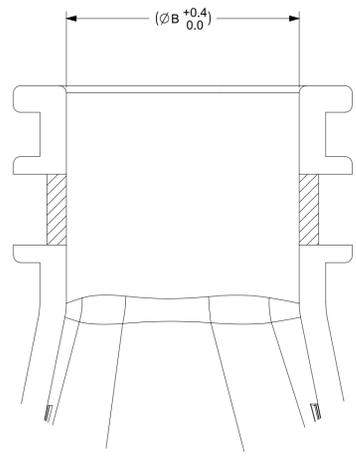
OPTIONAL SCHLEMMER PART NUMBER

OPTIONAL DATE CODE LOCATION

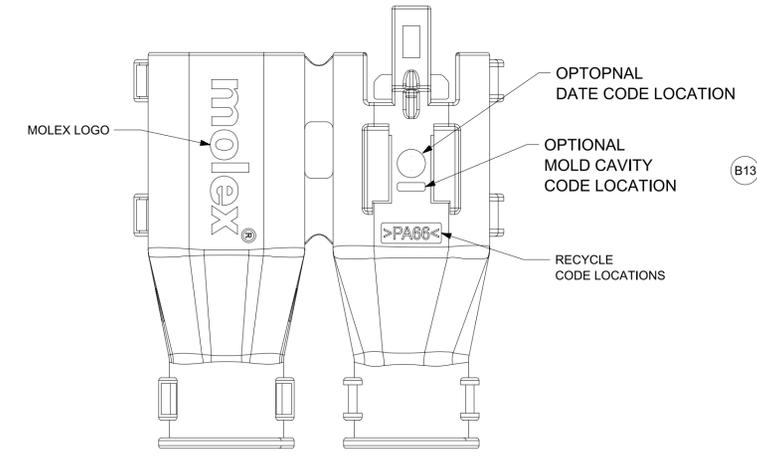
OPTIONAL MOLD CAVITY CODE LOCATION



PARTIAL SECTION A-A  
SCALE 5:1  
WITH RIBS



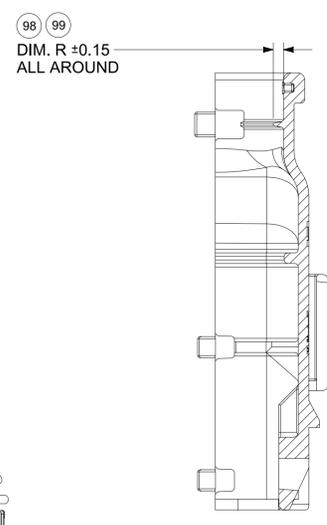
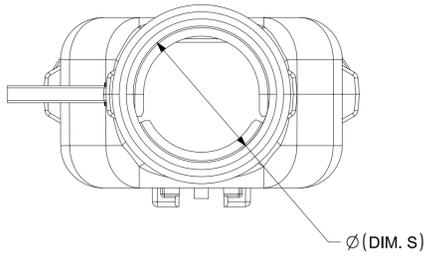
PARTIAL SECTION B-B  
SCALE 5:1  
WITHOUT RIBS



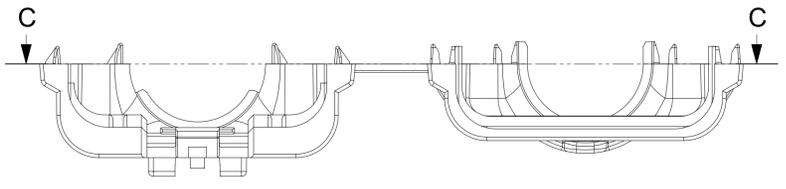
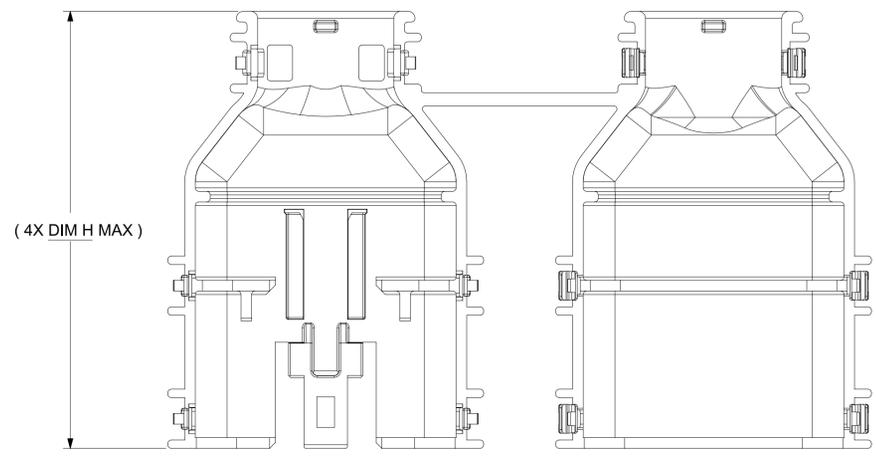
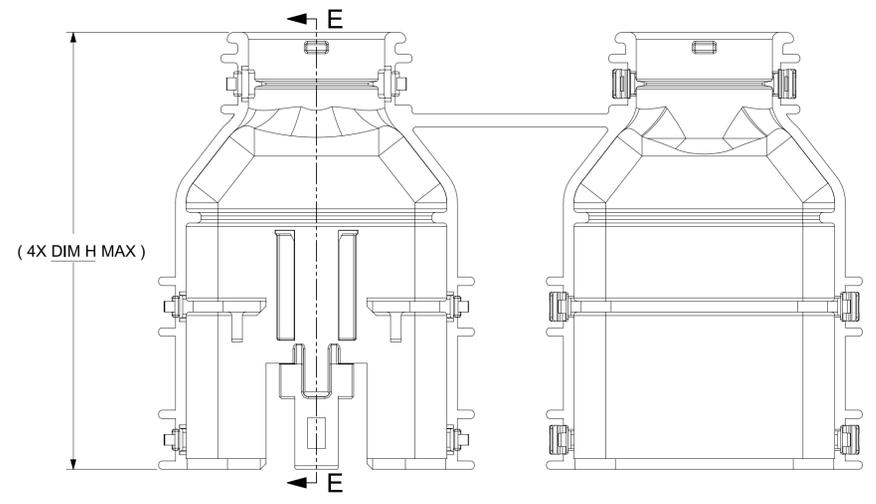
<b>FUNCTIONAL SYMBOLS</b> $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$ <b>DIVISIONAL SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>mm</b> SCALE: <b>2:1</b> GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL: $\pm 3'$ 4 PLACES: $\pm$ 3 PLACES: $\pm$ 2 PLACES: $\pm 0.100$ 1 PLACE: $\pm 0.20$ 0 PLACES: $\pm$	CURRENT REV DESC: Updated logo location  STATUS: Production DRWN: Yuki Song CHK'D: Yu Chao Fu APPR: Elvis Song 2023-02-01 2024-08-20 2024-08-21			
	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: <b>SD-34950-0001</b> DOC TYPE: PSD DOC PART: 001 REVISION: B13		MX150 DUAL ROW BLADE BACKSHELLS		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION		DRAWING: <b>A1-SIZE</b> SERIES: <b>34950</b>	MATERIAL NUMBER: <b>34950</b> CUSTOMER: <b>GENERAL MARKET</b> SHEET NUMBER: <b>3 OF 4</b>	
			MOLEX LOGO OPTIONAL DATE CODE LOCATION OPTIONAL MOLD CAVITY CODE LOCATION RECYCLE CODE LOCATIONS		

SHEET DESCRIPTION  
MOLEX BACKSHELL DETAIL

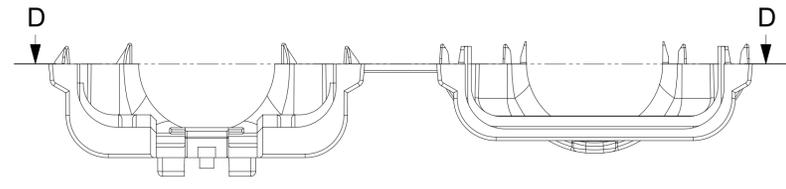
DESCRIPTION	CHARTED DIMENSION						
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2X4, WITHOUT RIB	53.56	16.10	N/A	3.60	5.10	16.10	N/A
2X8, WITH RIB	62.01	19.30	0.80	N/A	N/A	19.30	1.45
2X8, WITHOUT RIB	62.01	19.30	N/A	3.60	5.10	19.30	N/A
2X10, WITH RIB	62.01	19.30	0.80	N/A	N/A	19.30	1.45
2X10, WITHOUT RIB	62.01	19.30	N/A	3.60	5.10	19.30	N/A



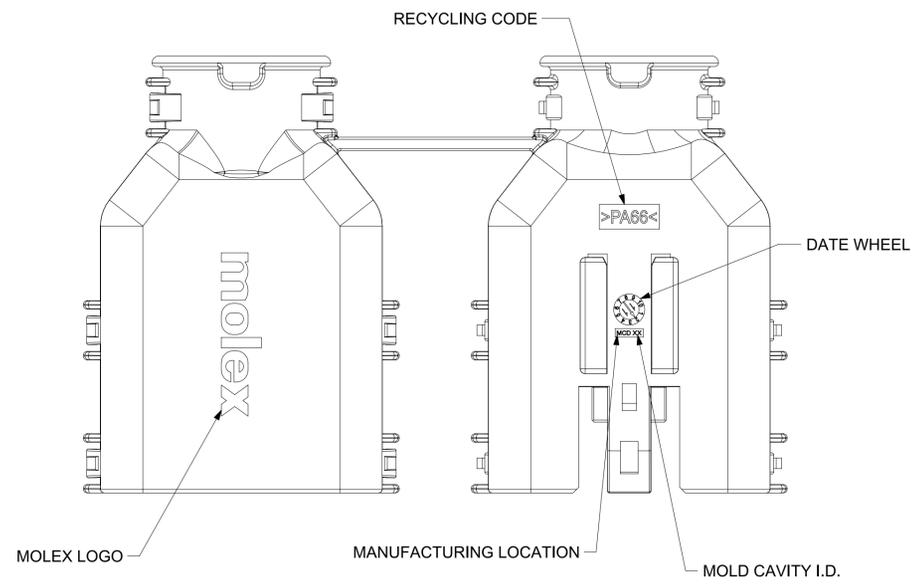
SECTION E-E



PARTIAL SECTION C-C  
SCALE 5:1  
WITH RIBS



PARTIAL SECTION D-D  
SCALE 5:1  
WITHOUT RIBS



MOLEX LOGO

MANUFACTURING LOCATION

MOLD CAVITY I.D.

<b>FUNCTIONAL SYMBOLS</b> $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: Updated logo location	
	DIMENSION UNITS	SCALE		
	mm	2:1		
	GENERAL TOLERANCES (UNLESS SPECIFIED)			
<b>DIVISIONAL SYMBOLS</b>	ANGULAR TOL	±	3'	
	4 PLACES	±		
	3 PLACES	±		
	2 PLACES	± 0.100		
	1 PLACE	± 0.20		
	0 PLACES	±		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			A1-SIZE	34950
		STATUS: Production		2023-02-01
		DRWN: Yuki Song		2024-08-20
		CHK'D: Yu Chao Fu		2024-08-21
		APPR: Elvis Song		
		DOCUMENT NUMBER		DOC TYPE   DOC PART   REVISION
		SD-34950-0001		PSD   001   B13
		MATERIAL NUMBER		CUSTOMER
				GENERAL MARKET
				SHEET NUMBER
				4 OF 4