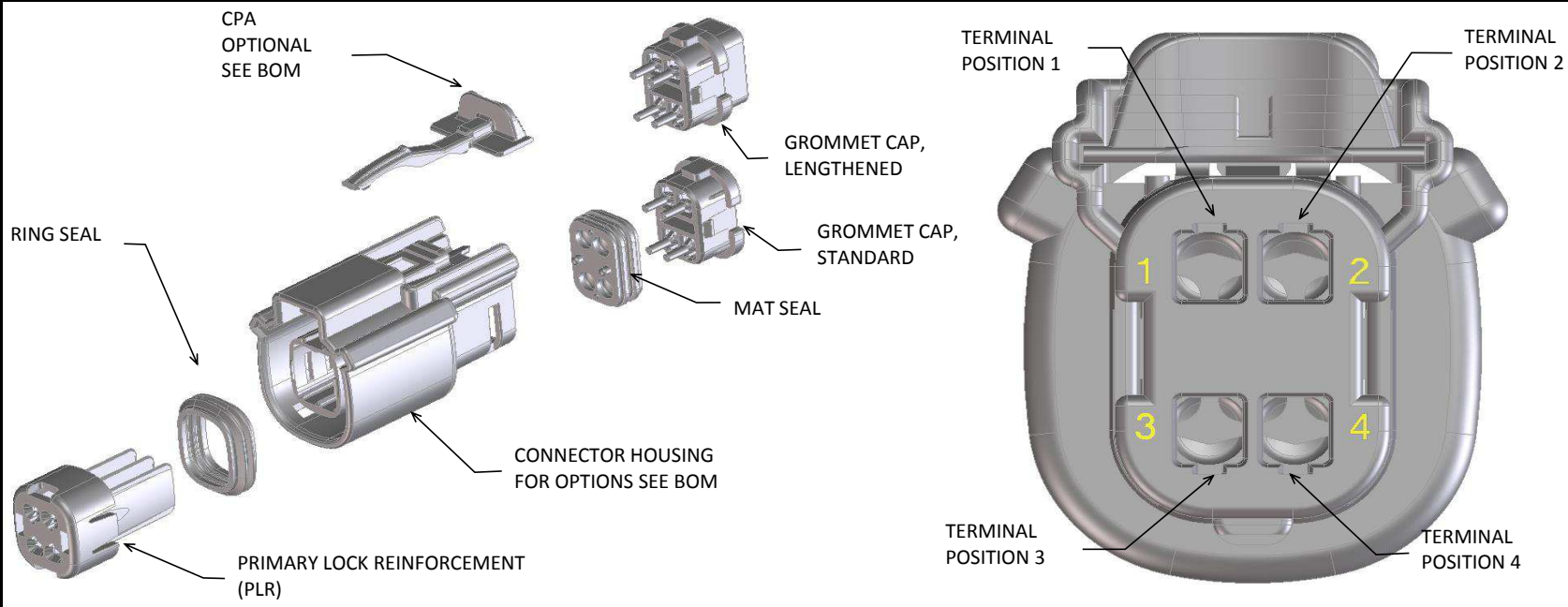


MX150 UL V0 RECEPTACLE 2X2 SEALED ASSEMBLY MAT SEAL
BOM AND PIN OUT SHEET



ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLK-UL	HOUSING, KEYING OPTION A (UL V0)	BLACK	PA6 GF30 V0
B-LG-UL	HOUSING, KEYING OPTION B (UL V0)	LIGHT GRAY	PA6 GF30 V0
C-DG-UL	HOUSING, KEYING OPTION C (UL V0)	DARK GRAY	PA6 GF30 V0
D-SG-UL	HOUSING, KEYING OPTION D (UL V0)	STONE GRAY	PA6 GF30 V0
GCP	GROMMET CAP (STANDARD PLUGGED)	BLACK	SPS/NYLON GF20
GCO	GROMMET CAP (STANDARD OPEN)	BLACK	SPS/NYLON GF20
GCLP	GROMMET CAP (LENGTHENED PLUGGED)	BLACK	SPS/NYLON GF20
GCLO	GROMMET CAP (LENGTHENED OPEN)	BLACK	SPS/NYLON GF20
PLR-UL	PLR (UL V0)	ASH GRAY	PA6 GF30 V0
CPA	CPA	RED	PBT GF20
M	MAT SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE
R	RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE

FOR ADDITIONAL INFORMATION SEE SD-33472-0001

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	CPA	MAT SEAL	RING SEAL	1	2	3	4												
UL V0 KEY A, BLACK, W/O CPA	160074-2001	A-BLK-UL	GCLO	PLR-UL		M	R												SALEABLE				
UL V0 KEY B, LIGHT GRAY, W/O CPA	160074-2002	B-LG-UL	GCLO	PLR-UL		M	R												SALEABLE				
UL V0 KEY C, DARK GRAY, W/O CPA	160074-2003	C-DG-UL	GCLO	PLR-UL		M	R												SALEABLE				
UL V0 KEY D, STONE GRAY, W/O CPA	160074-2004	D-SG-UL	GCLO	PLR-UL		M	R												SALEABLE				
UL V0 KEY A, BLACK, W/CPA	160074-2006	A-BLK-UL	GCLO	PLR-UL	CPA	M	R												SALEABLE				
UL V0 KEY B, LIGHT GRAY, W/CPA	160074-2007	B-LG-UL	GCLO	PLR-UL	CPA	M	R												SALEABLE				
UL V0 KEY C, DARK GRAY, W/CPA	160074-2008	C-DG-UL	GCLO	PLR-UL	CPA	M	R												SALEABLE				
UL V0 KEY D, STONE GRAY, W/CPA	160074-2009	D-SG-UL	GCLO	PLR-UL	CPA	M	R												SALEABLE				

MX150 UL V0 RECEPTACLE 2X4 SEALED ASSEMBLY MAT SEAL
BOM AND PIN OUT SHEET

CPA
OPTIONAL
SEE BOM

GROMMET CAP

MAT SEAL

RING SEAL

CONNECTOR HOUSING
FOR OPTIONS SEE BOM

PRIMARY LOCK REINFORCEMENT (PLR)

TERMINAL POSITION 1

TERMINAL POSITION 4

TERMINAL POSITION 5

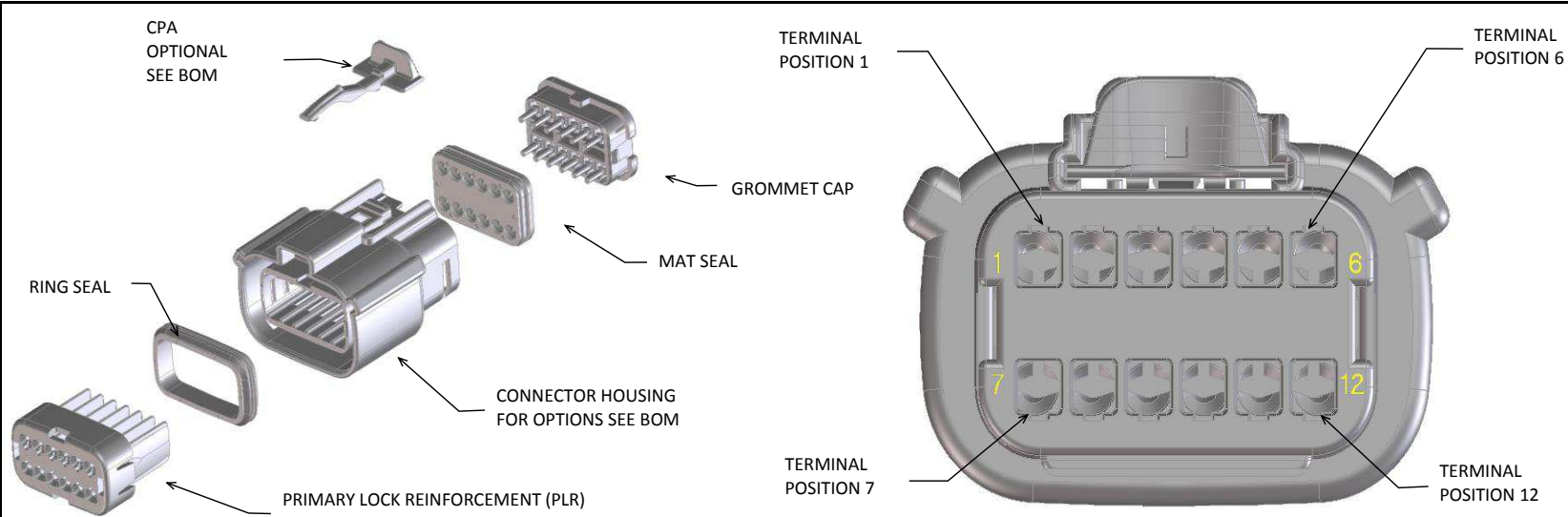
TERMINAL POSITION 8

ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLK-UL	HOUSING, KEYING OPTION A (UL V0)	BLACK	PA6 GF30 V0
B-LG-UL	HOUSING, KEYING OPTION B (UL V0)	LIGHT GRAY	PA6 GF30 V0
C-DG-UL	HOUSING, KEYING OPTION C (UL V0)	DARK GRAY	PA6 GF30 V0
D-SG-UL	HOUSING, KEYING OPTION D (UL V0)	STONE GRAY	PA6 GF30 V0
A-BLK-UL-CLIP	HOUSING, KEYING OPTION A (UL V0) WITH CLIP SLOT	BLACK	PA6 GF30 V0
B-LG-UL-CLIP	HOUSING, KEYING OPTION B (UL V0) WITH CLIP SLOT	LIGHT GRAY	PA6 GF30 V0
C-DG-UL-CLIP	HOUSING, KEYING OPTION C (UL V0) WITH CLIP SLOT	DARK GRAY	PA6 GF30 V0
D-SG-UL-CLIP	HOUSING, KEYING OPTION D (UL V0) WITH CLIP SLOT	STONE GRAY	PA6 GF30 V0
GCP	GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
GCO	GROMMET CAP (OPEN)	BLACK	SPS/NYLON GF20
PLR-UL	PLR (UL V0)	ASH GRAY	PA6 GF30 V0
CPA	CPA	RED	PBT GF20
M	MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
R	RING SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE

FOR ADDITIONAL INFORMATION SEE SD-33472-0001

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS										STATUS	COMMENTS	OPTIONAL ATTACHMENTS 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															
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8						BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS	90° ADAPTOR WITH RIBS	90° ADAPTOR WITHOUT RIBS
UL V0 KEY A, BLACK, W/O CPA	160074-4001	A-BLK-UL	GCO	PLR-UL		M	R												SALEABLE		N/A	N/A	N/A	N/A
UL V0 KEY B, LIGHT GRAY, W/O CPA	160074-4002	B-LG-UL	GCO	PLR-UL		M	R												SALEABLE		N/A	N/A	N/A	N/A
UL V0 KEY C, DARK GRAY, W/O CPA	160074-4003	C-DG-UL	GCO	PLR-UL		M	R												SALEABLE		N/A	N/A	N/A	N/A
UL V0 KEY D, STONE GRAY, W/O CPA	160074-4004	D-SG-UL	GCO	PLR-UL		M	R												SALEABLE		N/A	N/A	N/A	N/A
UL V0 KEY A, BLACK, W/CPA	160074-4006	A-BLK-UL	GCO	PLR-UL	CPA	M	R												SALEABLE		N/A	N/A	N/A	N/A
UL V0 KEY B, LIGHT GRAY, W/CPA	160074-4007	B-LG-UL	GCO	PLR-UL	CPA	M	R												SALEABLE		N/A	N/A	N/A	N/A
UL V0 KEY C, DARK GRAY, W/CPA	160074-4008	C-DG-UL	GCO	PLR-UL	CPA	M	R												SALEABLE		N/A	N/A	N/A	N/A
UL V0 KEY D, STONE GRAY, W/CPA	160074-4009	D-SG-UL	GCO	PLR-UL	CPA	M	R												SALEABLE		N/A	N/A	N/A	N/A
UL V0 KEY A, BLACK, WITH CLIPSLOT, W/O CPA	160074-4011	A-BLK-UL-CLIP	GCO	PLR-UL		M	R												SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
UL V0 KEY B, LIGHT GRAY, WITH CLIPSLOT, W/O CPA	160074-4012	B-LG-UL-CLIP	GCO	PLR-UL		M	R												SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
UL V0 KEY C, DARK GRAY, WITH CLIPSLOT, W/O CPA	160074-4013	C-DG-UL-CLIP	GCO	PLR-UL		M	R												SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
UL V0 KEY D, STONE GRAY, WITH CLIPSLOT, W/O CPA	160074-4014	D-SG-UL-CLIP	GCO	PLR-UL		M	R												SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
UL V0 KEY A, BLACK, WITH CLIPSLOT, W/CPA	160074-4016	A-BLK-UL-CLIP	GCO	PLR-UL	CPA	M	R												SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
UL V0 KEY B, LIGHT GRAY, WITH CLIPSLOT, W/CPA	160074-4017	B-LG-UL-CLIP	GCO	PLR-UL	CPA	M	R												SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
UL V0 KEY C, DARK GRAY, WITH CLIPSLOT, W/CPA	160074-4018	C-DG-UL-CLIP	GCO	PLR-UL	CPA	M	R												SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
UL V0 KEY D, STONE GRAY, WITH CLIPSLOT, W/CPA	160074-4019	D-SG-UL-CLIP	GCO	PLR-UL	CPA	M	R												SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841

MX150 UL V0 RECEPTACLE 2X6 SEALED ASSEMBLY MAT SEAL
BOM AND PIN OUT SHEET



ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLK-UL	HOUSING, KEYING OPTION A (UL V0)	BLACK	PA6 GF30 V0
B-LG-UL	HOUSING, KEYING OPTION B (UL V0)	LIGHT GRAY	PA6 GF30 V0
C-DG-UL	HOUSING, KEYING OPTION C (UL V0)	DARK GRAY	PA6 GF30 V0
D-SG-UL	HOUSING, KEYING OPTION D (UL V0)	STONE GRAY	PA6 GF30 V0
D-BLK-UL	HOUSING, KEYING OPTION D (UL V0)	BLACK	PA6 GF30 V0
GC	GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
PLR-UL	PLR (UL V0)	ASH GRAY	PA6 GF30 V0
CPA	CPA	RED	PBT GF20
M	MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
R	RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE

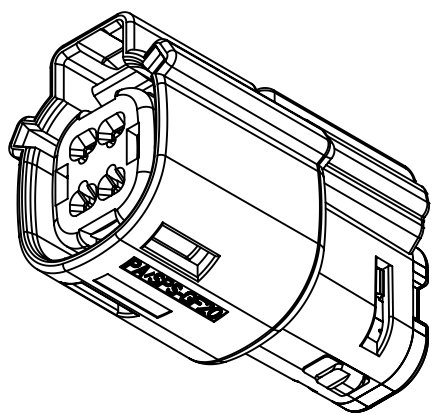
FOR ADDITIONAL INFORMATION SEE SD-33472-0001

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS												STATUS	COMMENTS	OPTIONAL ATTACHMENTS 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	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8	9	10	11	12				
UL V0 KEY A, BLACK, W/O CPA	160074-6001	A-BLK-UL	GC	PLR-UL		M	R													SALEABLE		34951-1210	34951-1220
UL V0 KEY B, LIGHT GRAY, W/O CPA	160074-6002	B-LG-UL	GC	PLR-UL		M	R													SALEABLE		34951-1210	34951-1220
UL V0 KEY C, DARK GRAY, W/O CPA	160074-6003	C-DG-UL	GC	PLR-UL		M	R													SALEABLE		34951-1210	34951-1220
UL V0 KEY D, STONE GRAY, W/O CPA	160074-6004	D-SG-UL	GC	PLR-UL		M	R													SALEABLE		34951-1210	34951-1220
UL V0 KEY A, BLACK, W/CPA	160074-6006	A-BLK-UL	GC	PLR-UL	CPA	M	R													SALEABLE		34951-1210	34951-1220
UL V0 KEY B, LIGHT GRAY, W/CPA	160074-6007	B-LG-UL	GC	PLR-UL	CPA	M	R													SALEABLE		34951-1210	34951-1220
UL V0 KEY C, DARK GRAY, W/CPA	160074-6008	C-DG-UL	GC	PLR-UL	CPA	M	R													SALEABLE		34951-1210	34951-1220
UL V0 KEY D, STONE GRAY, W/CPA	160074-6009	D-SG-UL	GC	PLR-UL	CPA	M	R													SALEABLE		34951-1210	34951-1220
UL V0 KEY D, BLACK, W/CPA	160074-6010	D-BLK-UL	GC	PLR-UL	CPA	M	R													SALEABLE		34951-1210	34951-1220

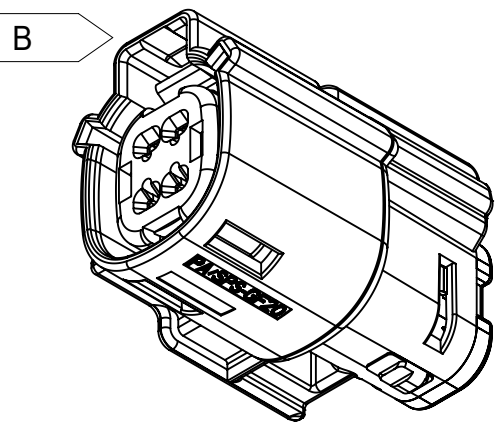


SHEET DESCRIPTION

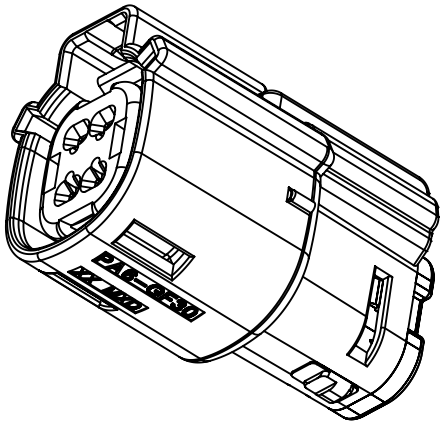
CONFIGURATIONS



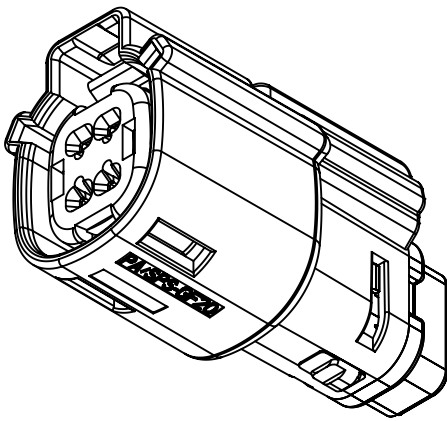
2X2 - STD.
2X2 - TRNS. - SILICONE FREE †



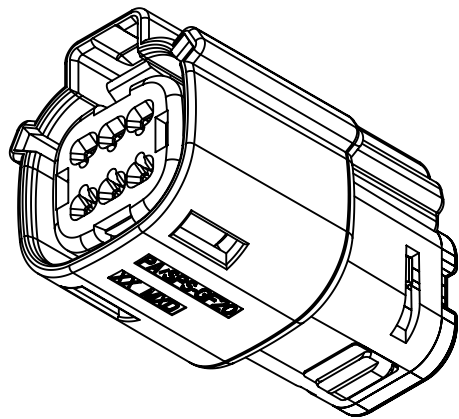
2X2 - STD. - WITH CLIPSLOT *



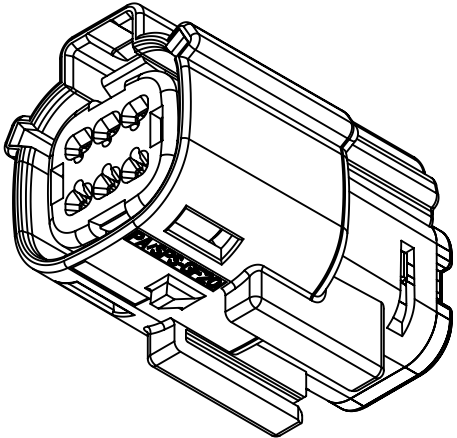
† 2X2 - UL V0



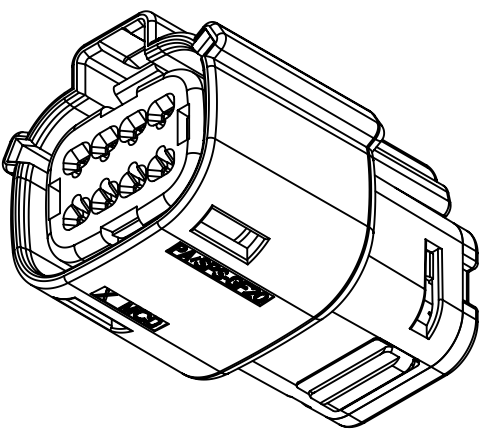
2X2 - STD. - LENGTHENED



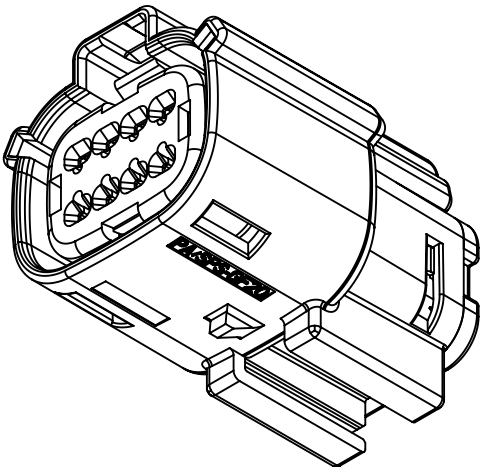
2X3 - STD.
2X3 - TRNS. - CONTAINS SILICONE †



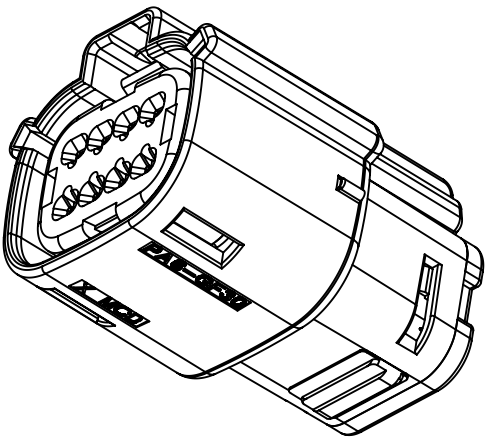
2X3 - STD. - WITH CLIPSLOT *



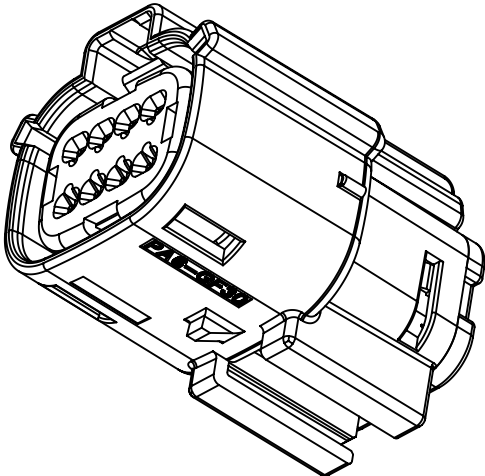
2X4 - STD.



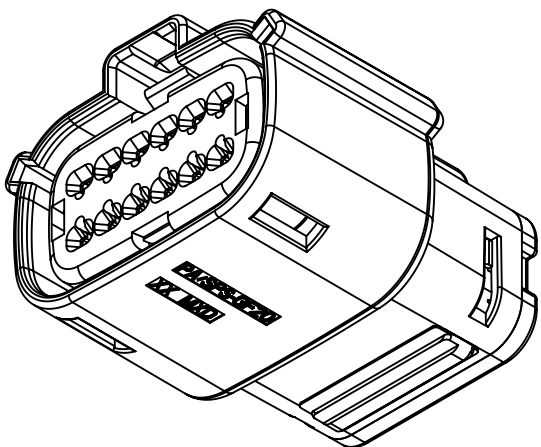
2X4 - STD. - WITH CLIPSLOT *



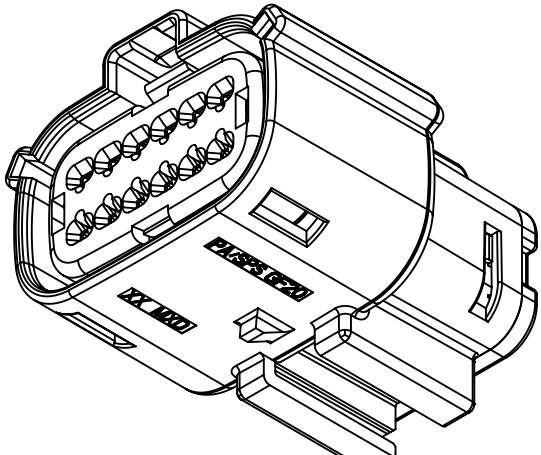
† 2X4 - UL V0



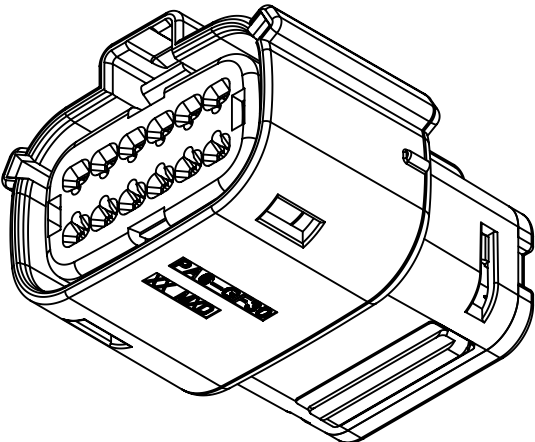
† 2X4 - UL V0-WITH CLIPSLOT*



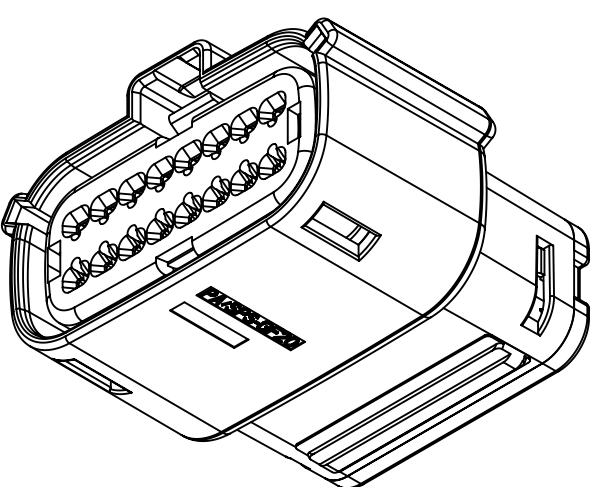
2X6 - STD.
C1 † 2X6 - TRNS.



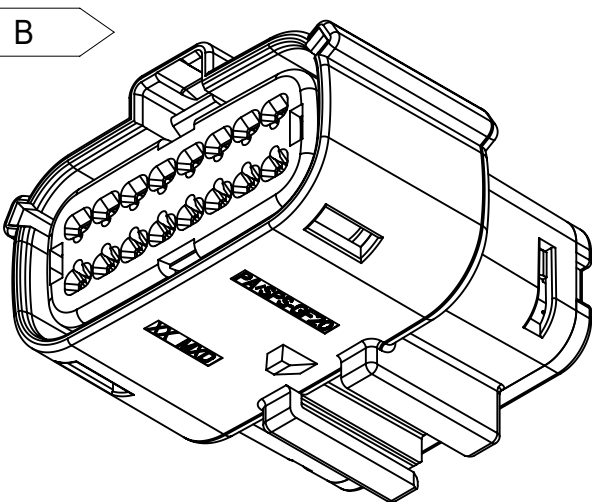
2X6 - STD. - WITH CLIPSLOT *
C1 † 2X6 - TRNS. - WITH CLIPSLOT *



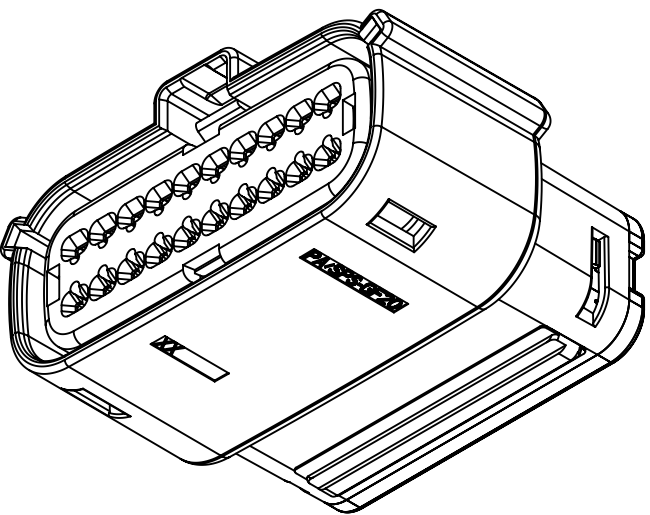
† 2X6 - UL V0



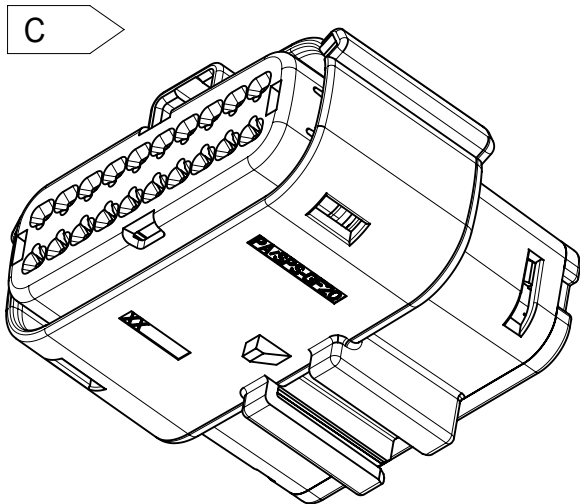
2X8 - STD.



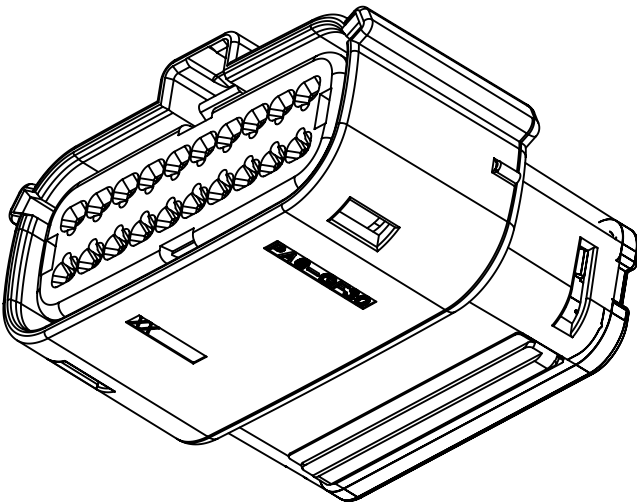
2X8 - STD. - WITH CLIPSLOT *



2X10 - STD.



2X10 - STD. - WITH CLIPSLOT *



† 2X10 - UL V0

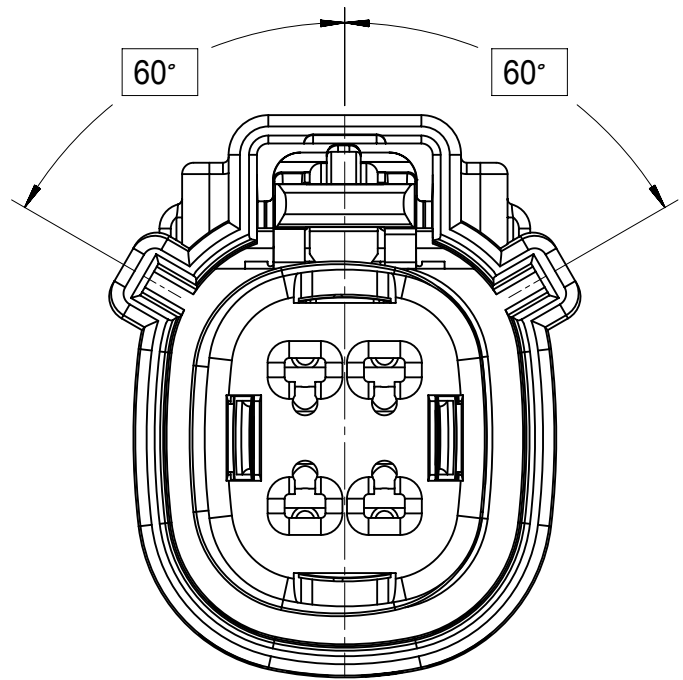
* WITH CLIPSLOT CONFIGURATION DOES NOT
MEET THE USCAR PACKAGING FRAME REQUIREMENTS
† MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION
SEE NOTES 1a & 2a-b FOR MORE INFORMATION

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:			molex		
	mm		1:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 171650 DRWN: DDEB 2018/01/19 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16 INITIAL REVISION: DRWN: APROFFITT 2014/05/14 APPR: VKOSHY 2014/06/27			MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL				
	ANGULAR TOL ± 1.0 °									
	4 PLACES ±					PRODUCT CUSTOMER DRAWING				
	3 PLACES ±								DOCUMENT NUMBER	
	2 PLACES ± 0.1					SD-33472-0001		PSD	001	C2
	1 PLACE ± 0.2		THIRD ANGLE PROJECTION		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
	0 PLACES ±		DRAWING		SERIES		GENERAL MARKET		2 OF 11	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				A1-SIZE 33472						

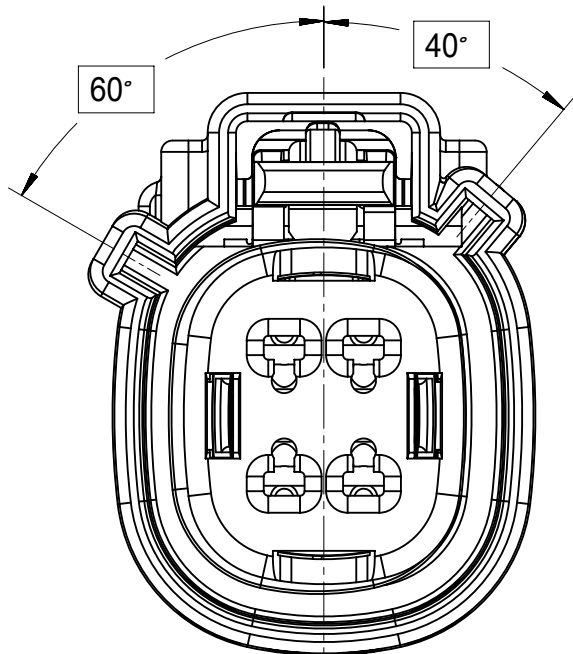
SHEET DESCRIPTION

KEY CONFIGURATIONS

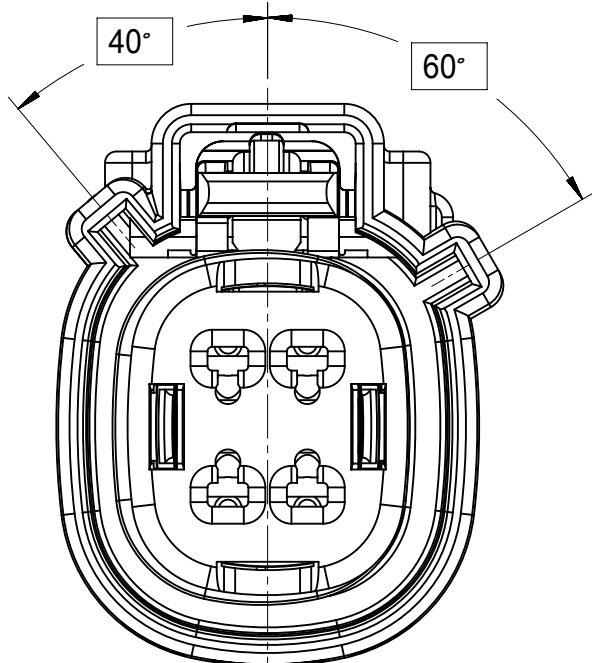
2X2



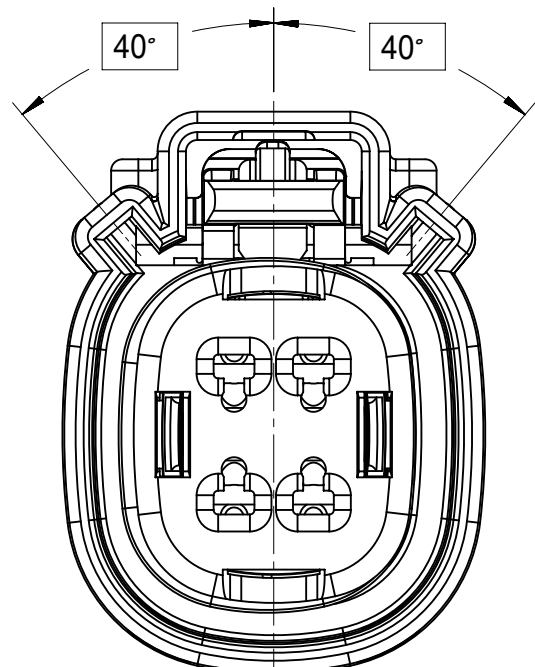
KEY A



KEY B

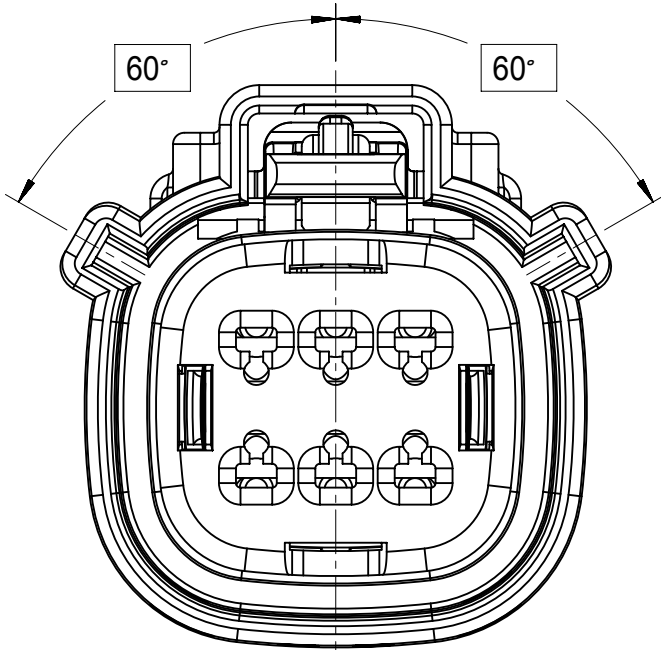


KEY C

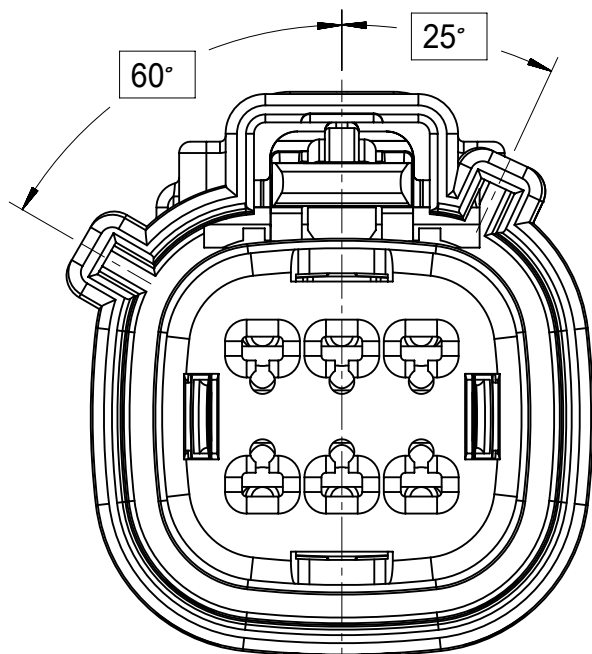


KEY D

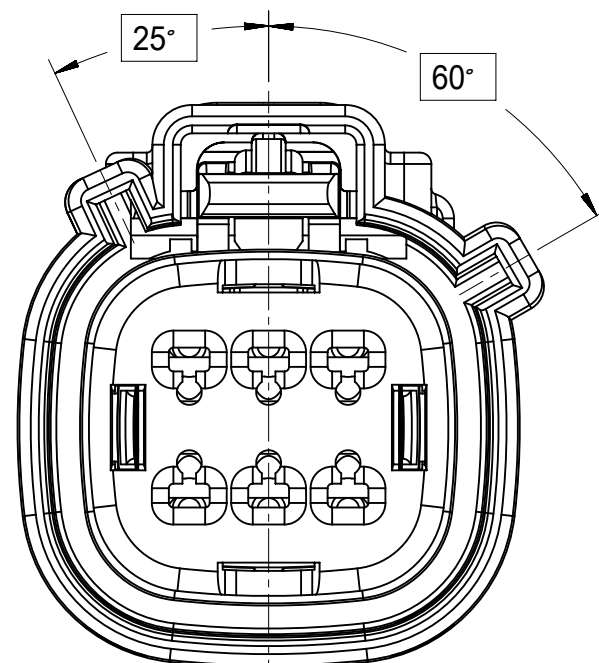
2X3



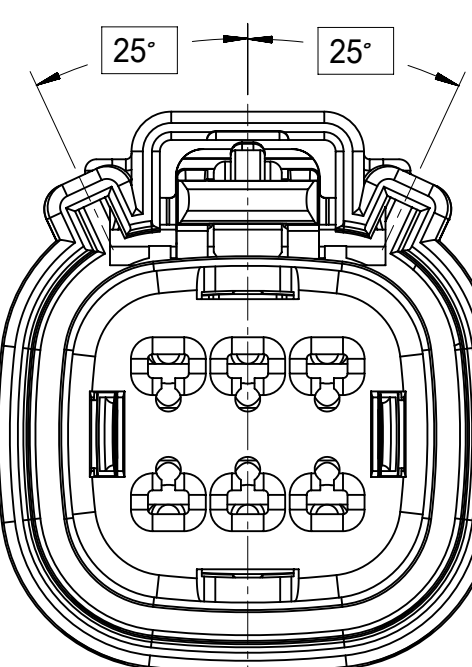
KEY A



KEY B

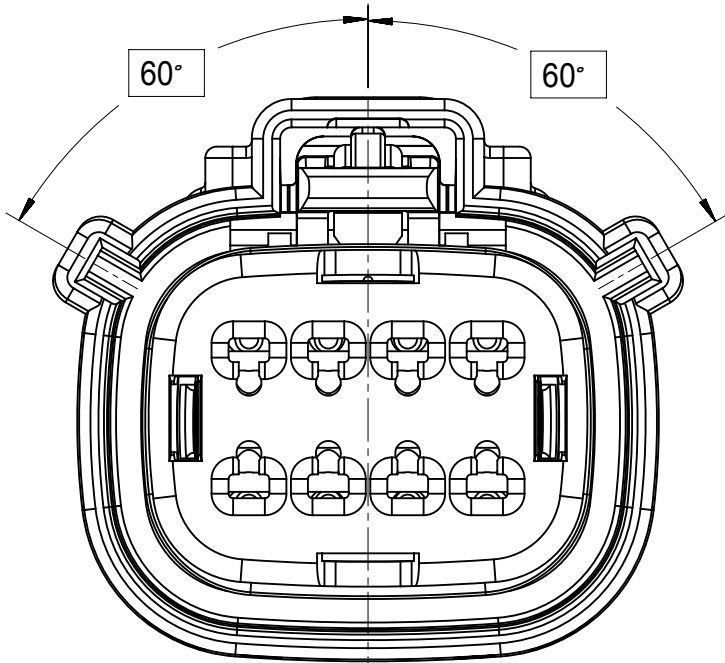


KEY C

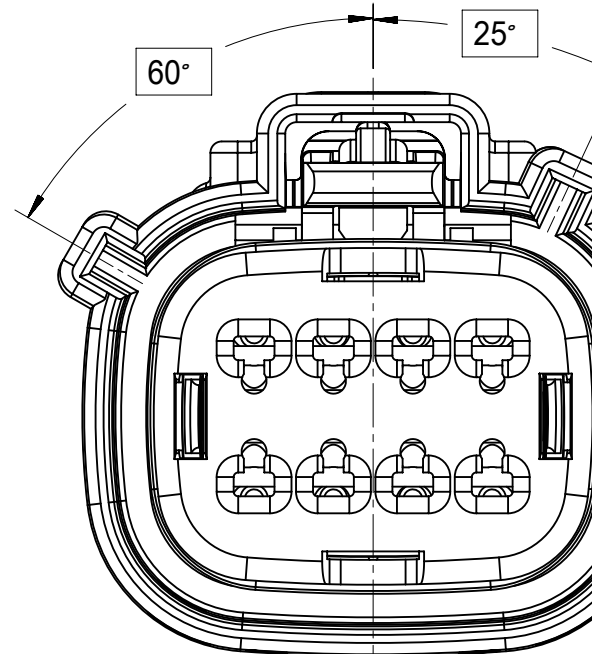


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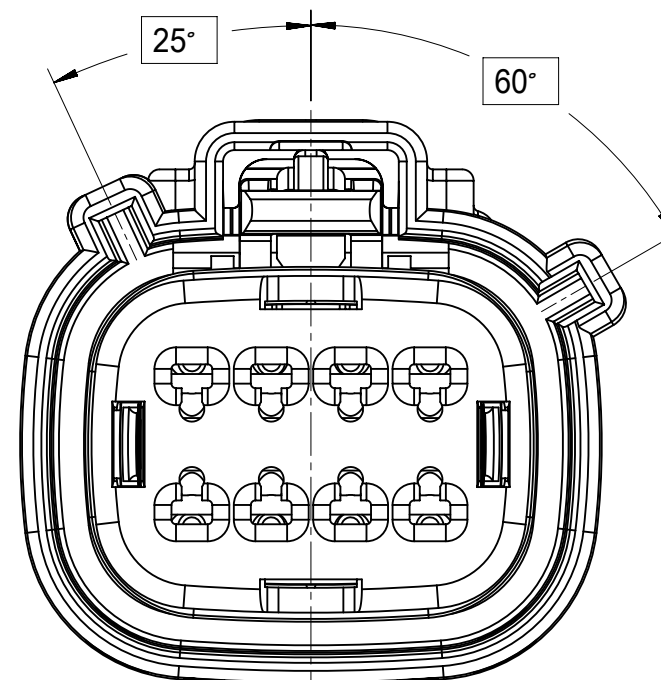
2X4



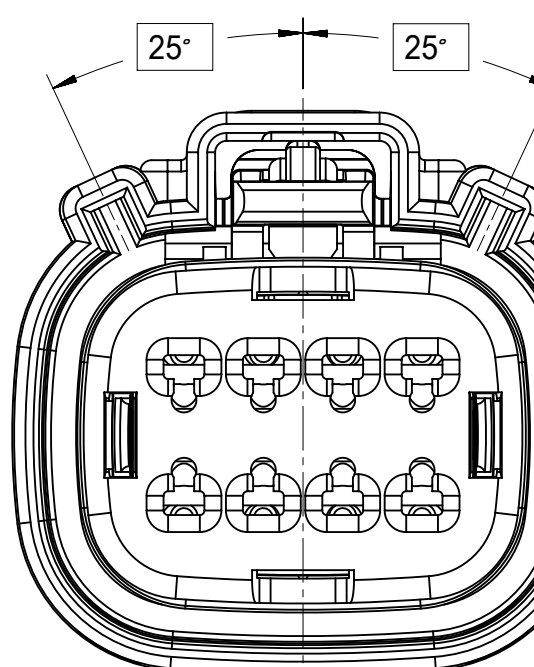
KEY A



KEY B



KEY C

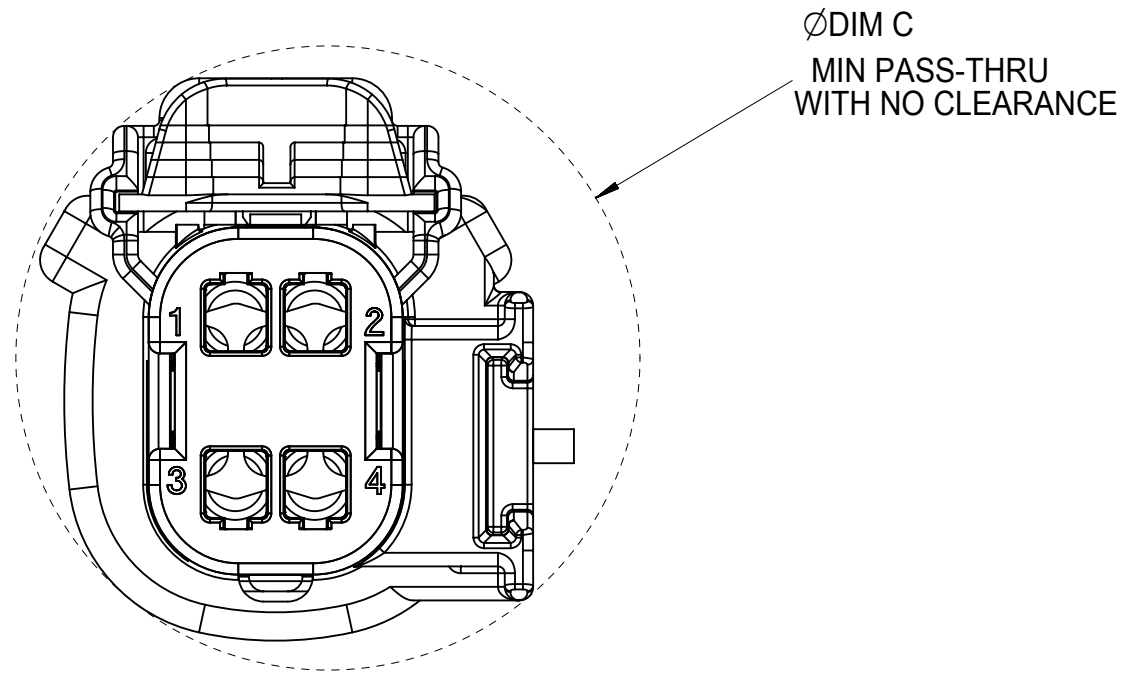
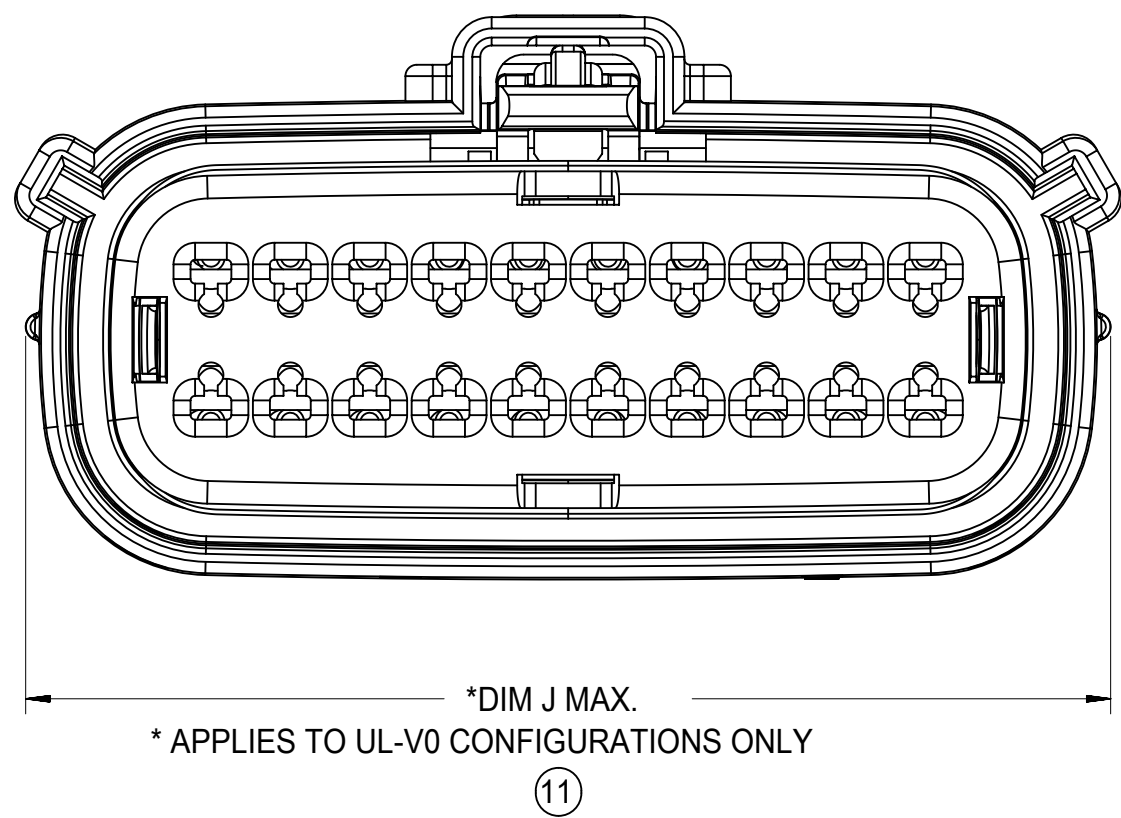


KEY D

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
⌀ = 0		DIMENSION UNITS		SCALE		CURRENT REV DESC:						molex											
± = 0		mm		1:1																			
± = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 171650						MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL											
± = 0		ANGULAR TOL ± 1.0 °																					
± = 0		4 PLACES		±		DRWN: DDEB 2018/01/19						PRODUCT CUSTOMER DRAWING											
± = 0		3 PLACES		±		CHK'D: MVANSLAMBROU 2018/02/16																	
± = 0		2 PLACES		± 0.1		APPR: MVANSLAMBROU 2018/02/16																	
± = 0		1 PLACE		± 0.2		INITIAL REVISION:						DOCUMENT NUMBER						DOC TYPE		DOC PART		REVISION	
± = 0		0 PLACES		±		DRWN: APROFFITT 2014/05/14																	
± = 0		0 PLACES		±		APPR: VKOSHY 2014/06/27						SD-33472-0001						PSD		001		C2	
± = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER				CUSTOMER				SHEET NUMBER			
± = 0		⌀ = 0		⌀ = 0		A1-SIZE		33472						GENERAL MARKET				3 OF 11					

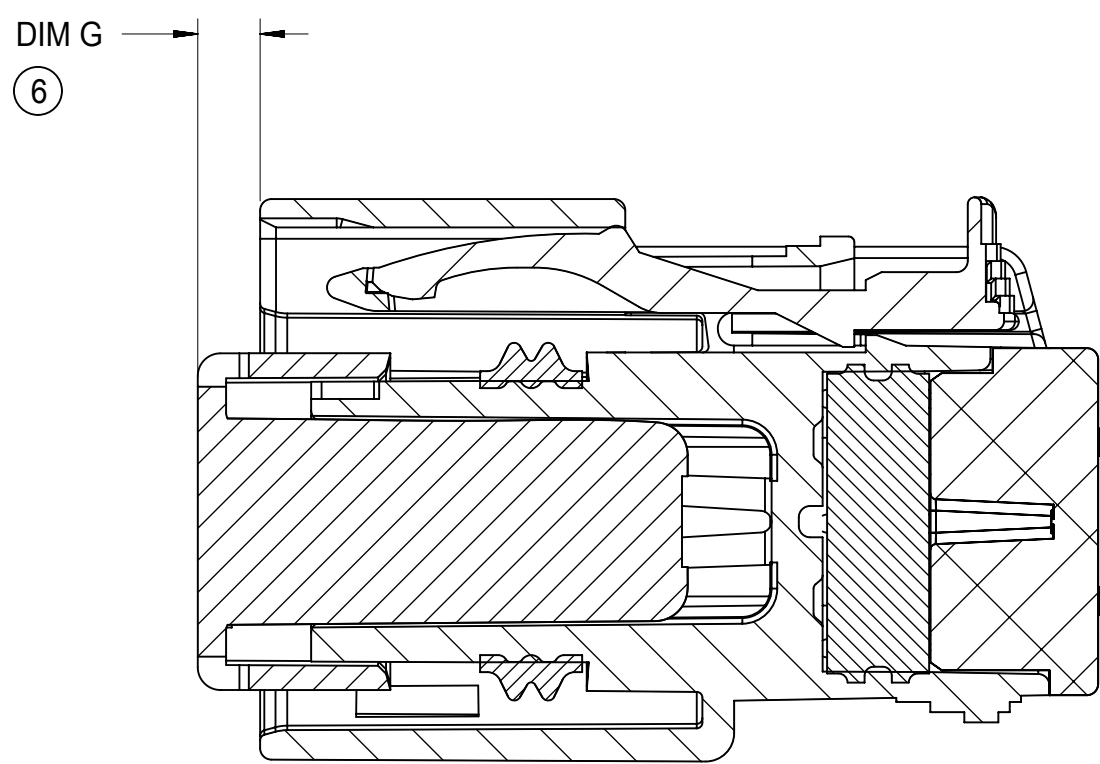
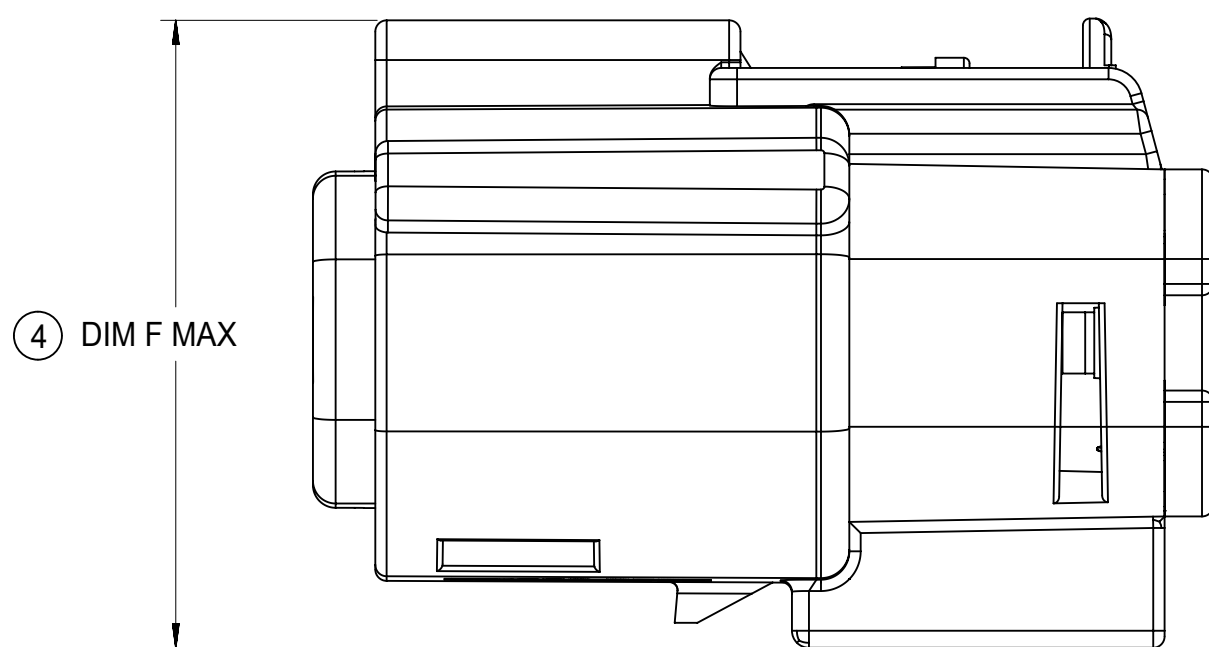
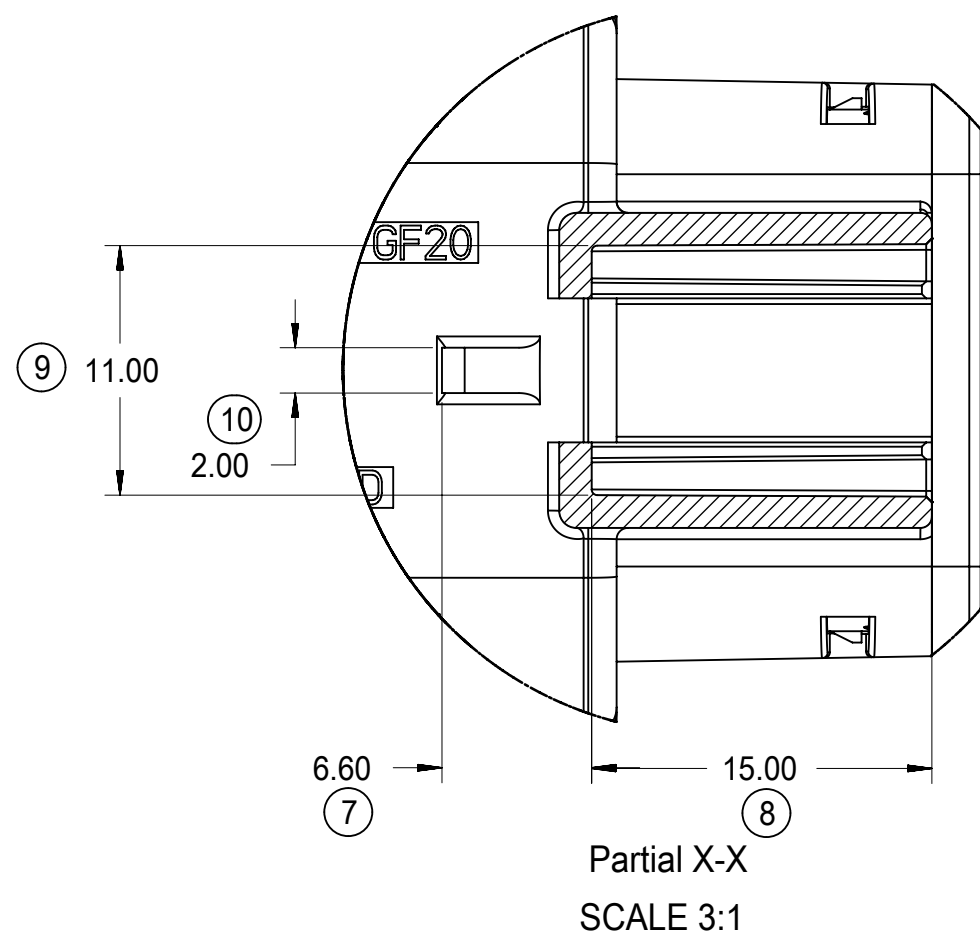
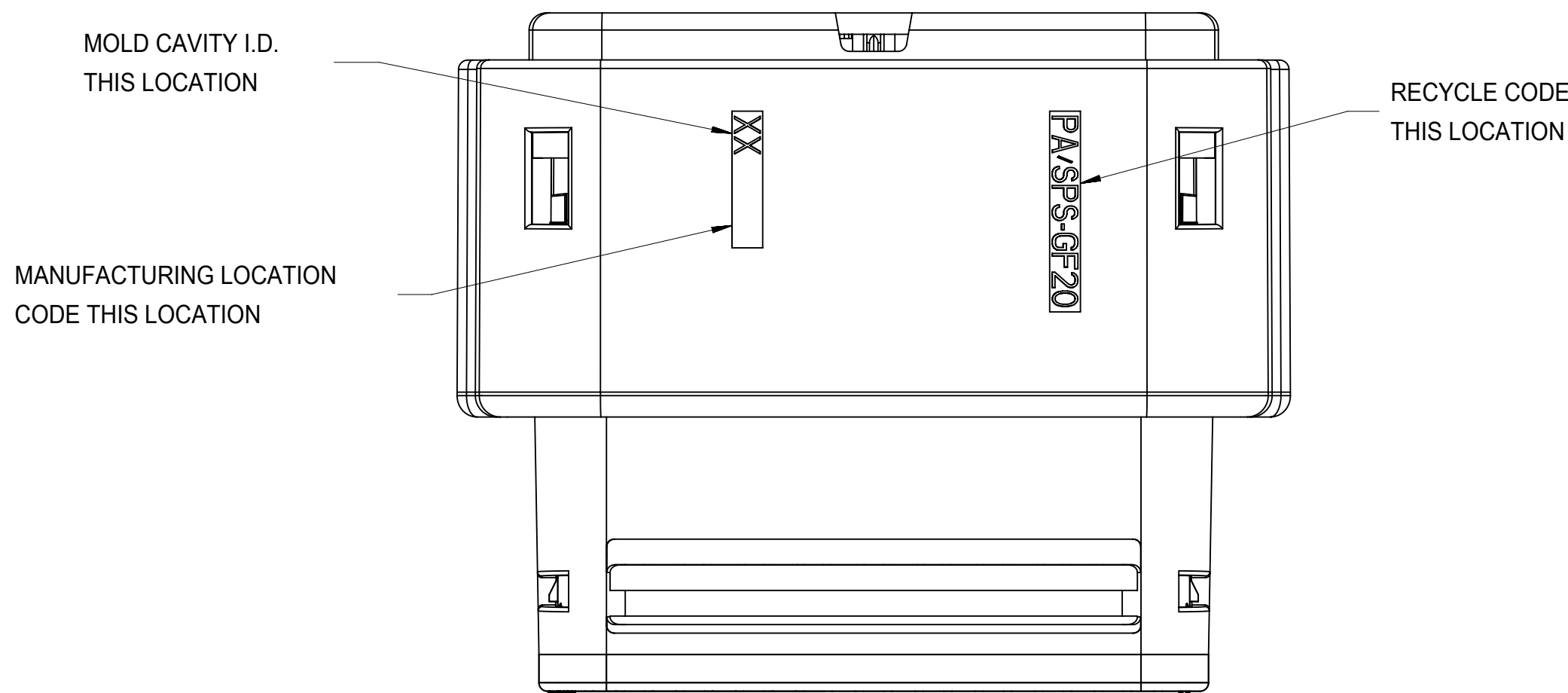
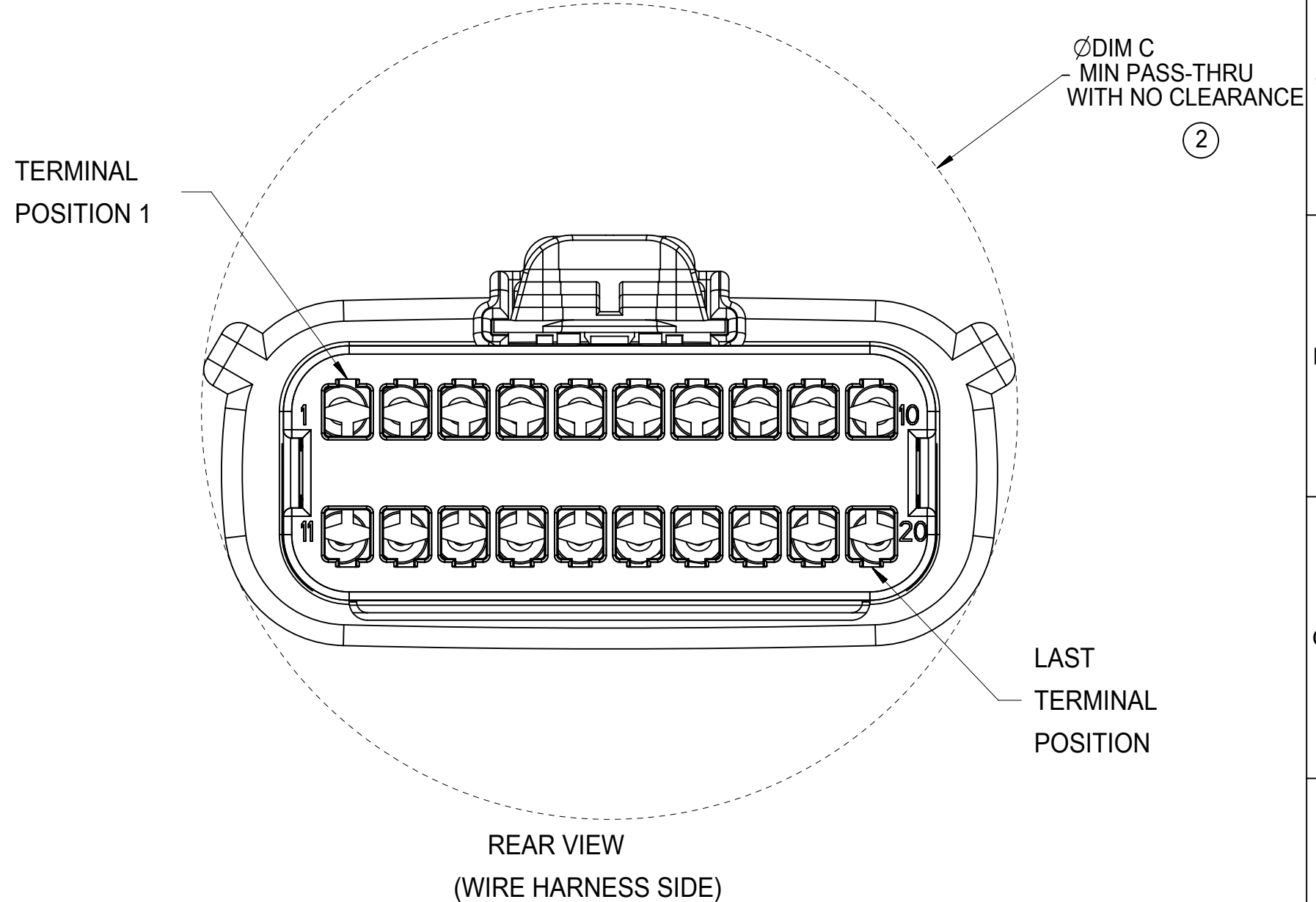
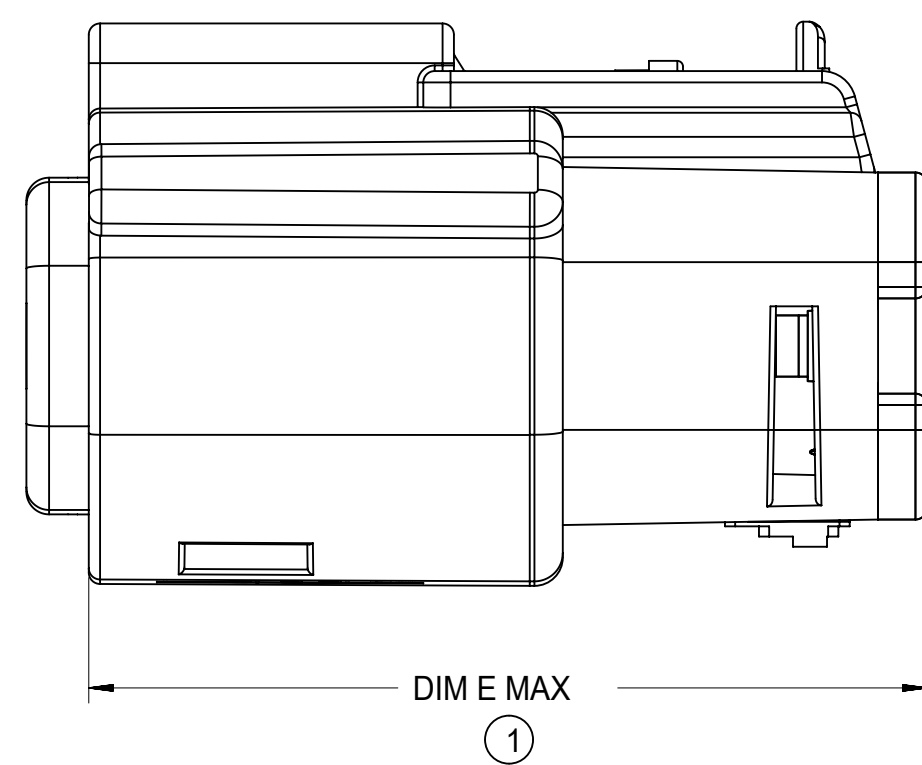
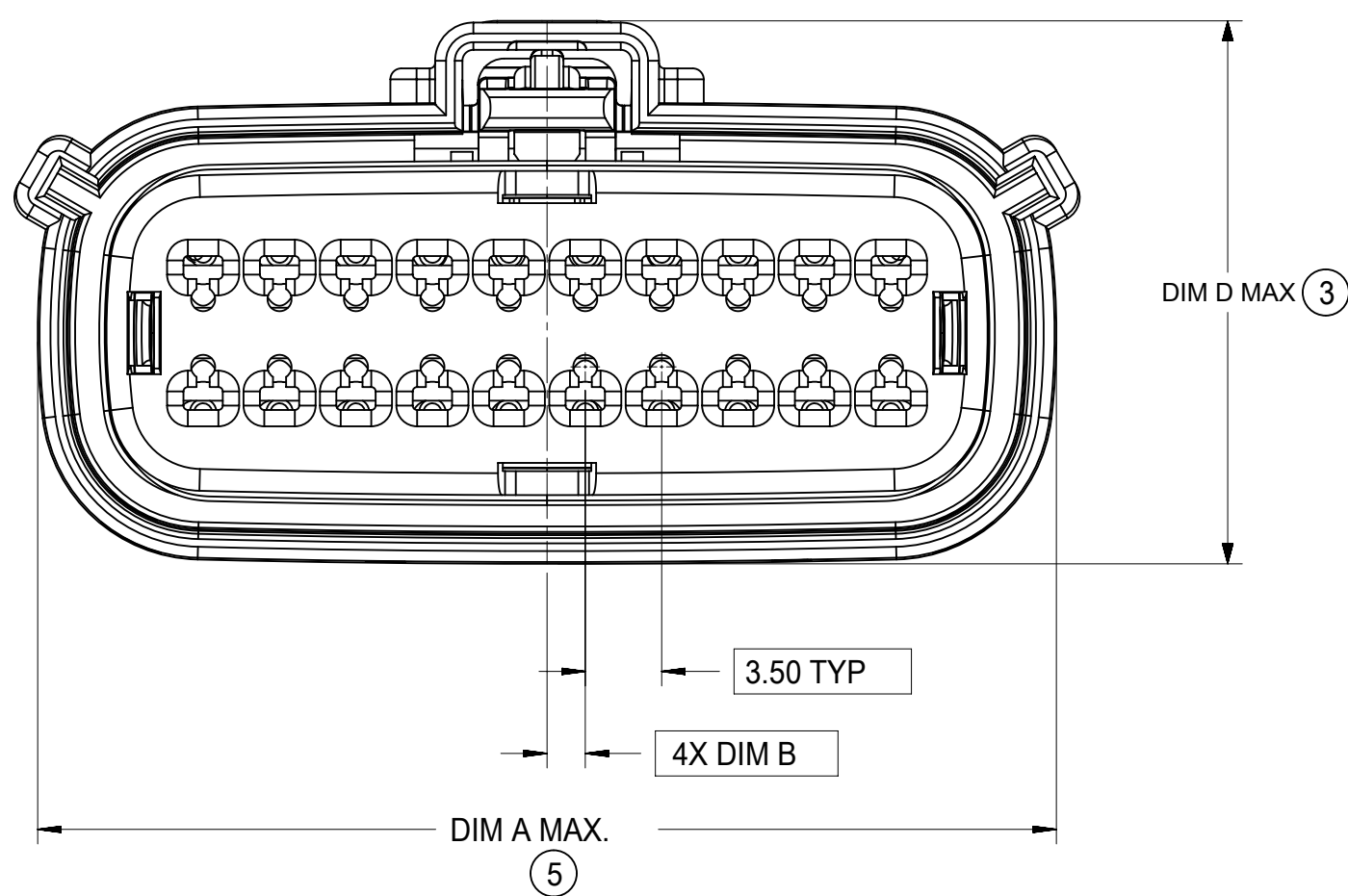
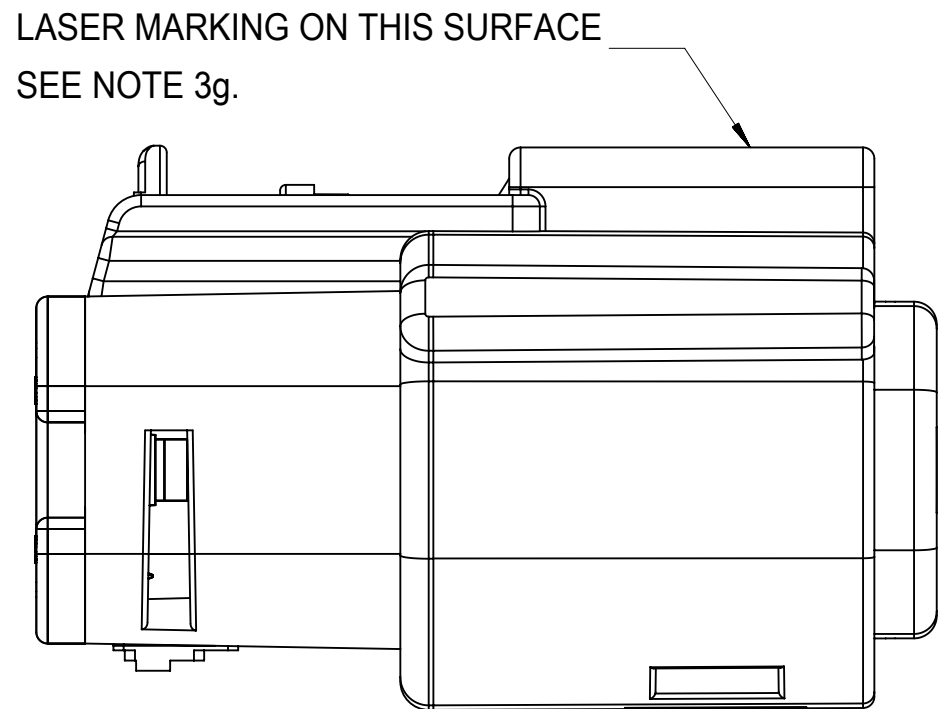
SHEET DESCRIPTION

RECEPTACLE CONNECTOR ASSEMBLY



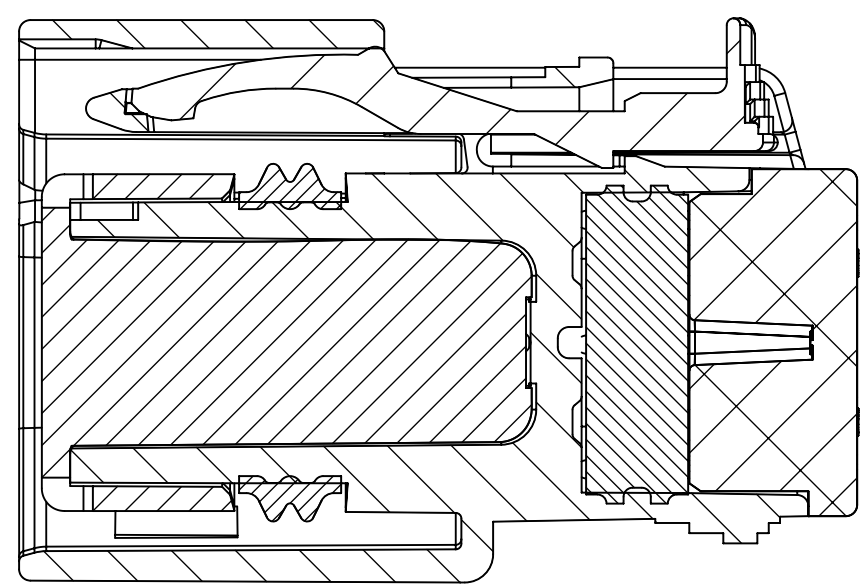
B APPLIES TO 2X2 - STD. - WITH CLIPSLOT ONLY

DESCRIPTION	DIMENSIONS						
	A	B	C	D	E	F	J
2X2 W/O CLIPSLOT	18.58	1.75	25.45	24.81	37.65	N/A	2.75±0.50
2X2 W/ CLIPSLOT	18.58	1.75	27.65	24.81	37.65	N/A	2.75±0.50
2X2 LENGTHENED	18.58	1.75	25.45	24.81	42.25	N/A	2.75±0.50
2X3 W/ CLIPSLOT	22.25	3.5	30.50	N/A	37.65	27.96	4.0±0.4
2X3 W/O CLIPSLOT	22.25	3.5	26.24	24.90	37.65	N/A	4.0±0.4
2X4 W/ CLIPSLOT	25.75	1.75	31.50	N/A	37.65	28.00	2.75±0.50
2X4 W/O CLIPSLOT	25.75	1.75	29.19	24.81	37.65	N/A	2.75±0.50
2X6 W/ CLIPSLOT	32.75	1.75	35.58	N/A	37.65	27.76	2.75±0.50
2X6 W/O CLIPSLOT	32.75	1.75	35.58	24.90	37.65	N/A	2.75±0.50
2X6 W/O CLIPSLOT V0	32.75	1.75	35.58	25.0	37.65	N/A	2.75±0.50
2X8 W/O CLIPSLOT	39.80	1.75	42.25	24.90	37.65	N/A	4.0±0.4
2X8 W/ CLIPSLOT	39.80	1.75	42.25	N/A	37.65	27.80	4.0±0.4
2X10 W/O CLIPSLOT	46.75	1.75	49.95	24.90	37.65	N/A	2.75±0.50
2X10 W/ CLIPSLOT	46.75	1.75	49.95	N/A	37.65	27.80	2.75±0.50



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

SECTION Y-Y



SECTION Z-Z

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL						
	mm		1:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)					EC NO: 171650 DRWN: DDEB 2018/01/19 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16 INITIAL REVISION: DRWN: APROFFITT 2014/05/14 APPR: VKOSHY 2014/06/27										
	ANGULAR TOL ± 1.0°															
	4 PLACES		±		PRODUCT CUSTOMER DRAWING											
	3 PLACES		±													
	2 PLACES		± 0.1		DOCUMENT NUMBER						DOC TYPE	DOC PART	REVISION			
	1 PLACE		± 0.2		SD-33472-0001		PSD	001	C2							
	0 PLACES		±													
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
							A1-SIZE		33472				GENERAL MARKET		5 OF 11	

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16	22:02:25
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BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-0001.
 - 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-34951-0001.

BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34951-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

RECEPTACLE SEALED ASSEMBLY

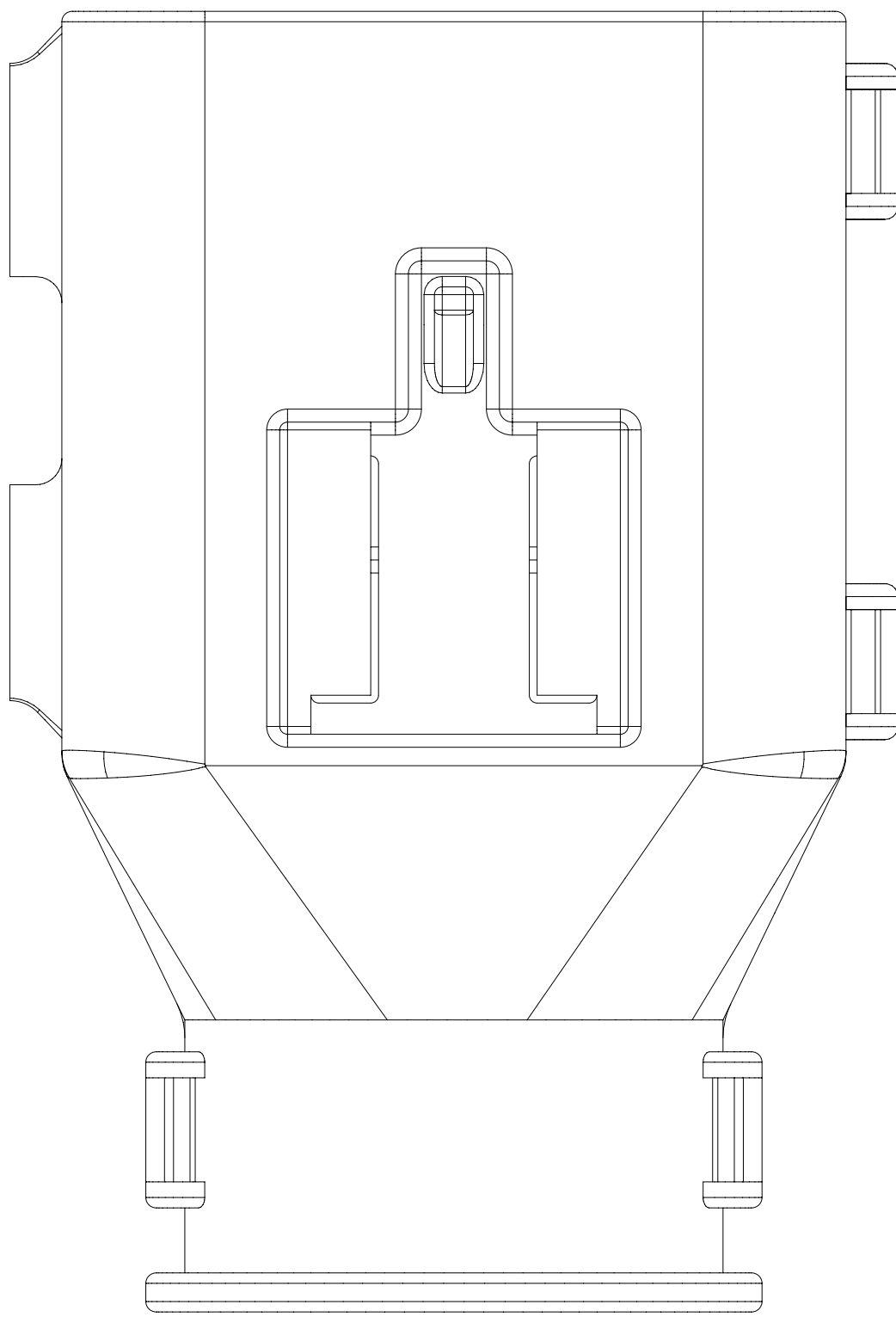
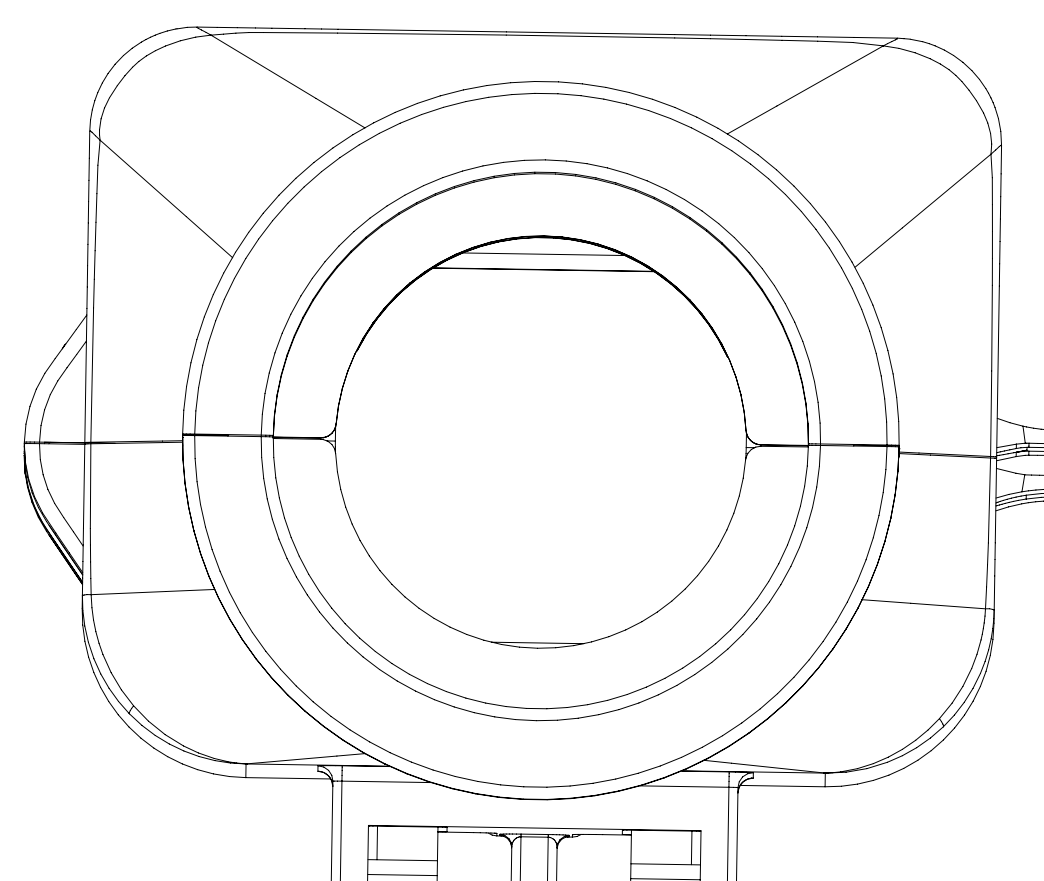
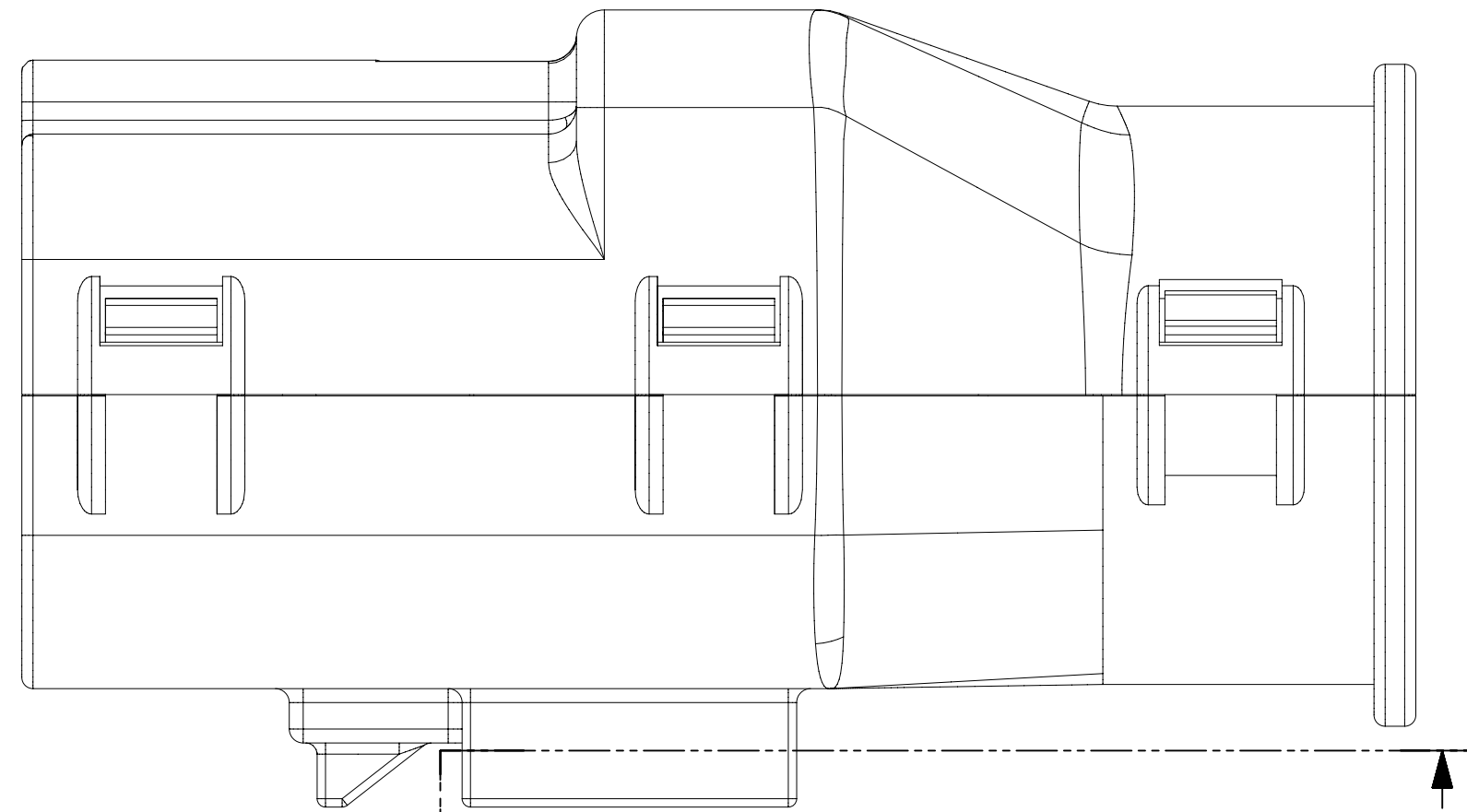
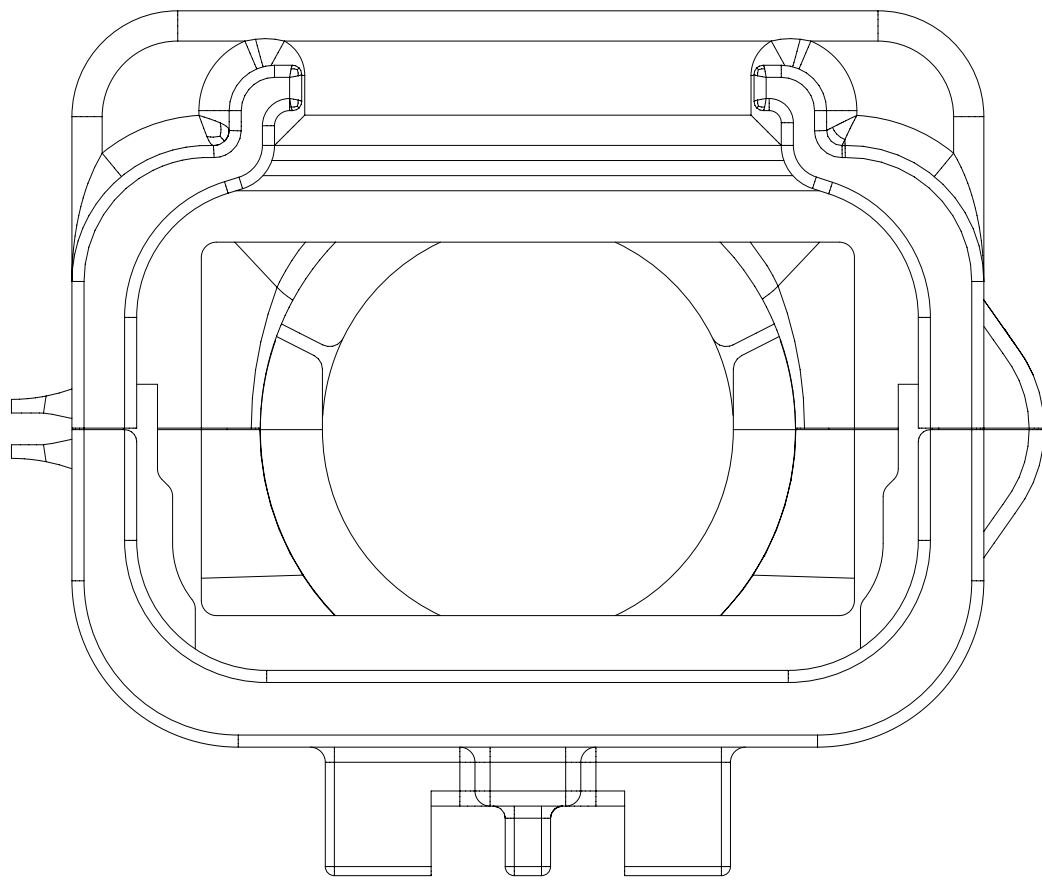
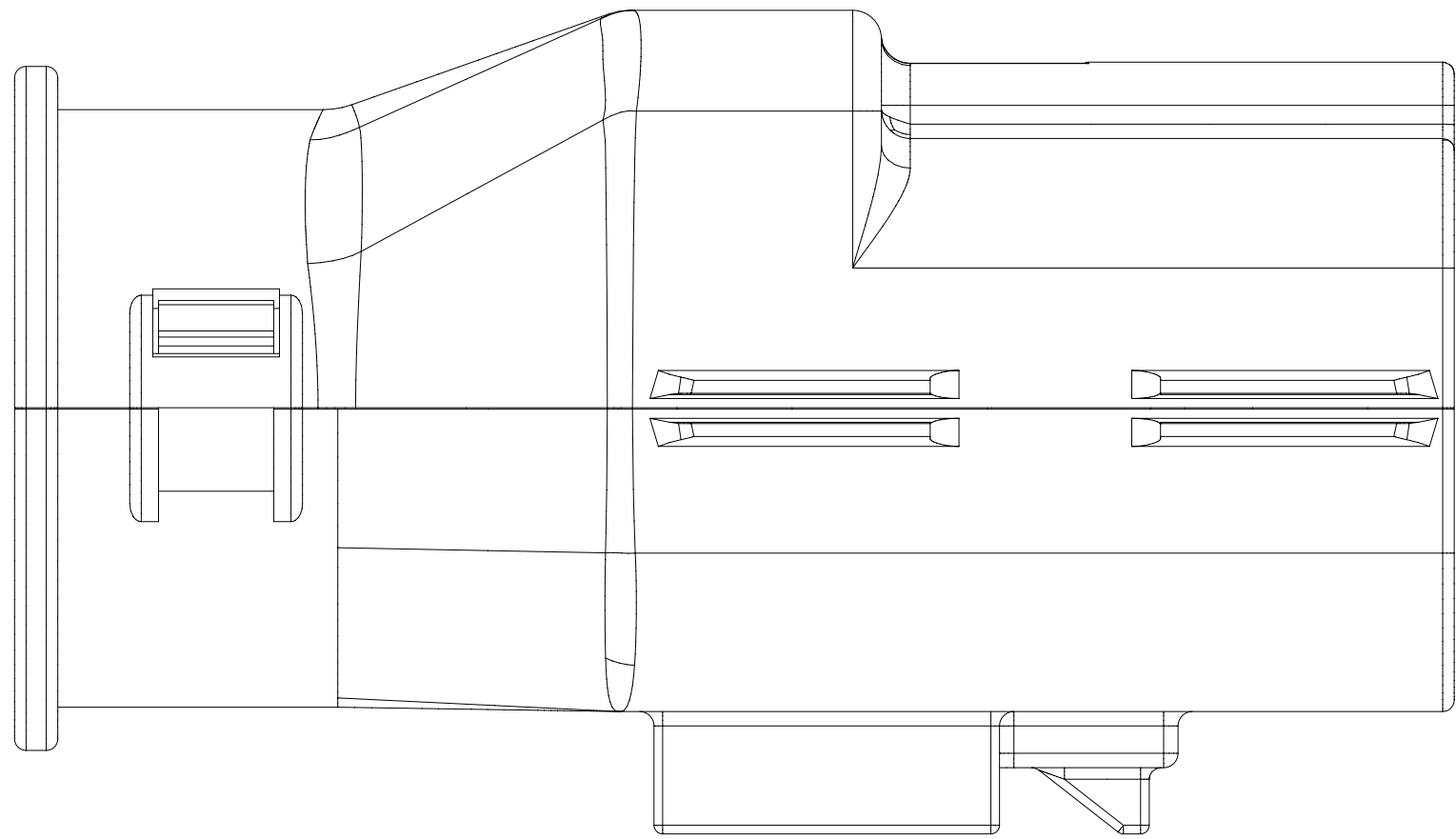
BACKSHELL (BKS)

90° ADAPTOR

SCALE 2:1

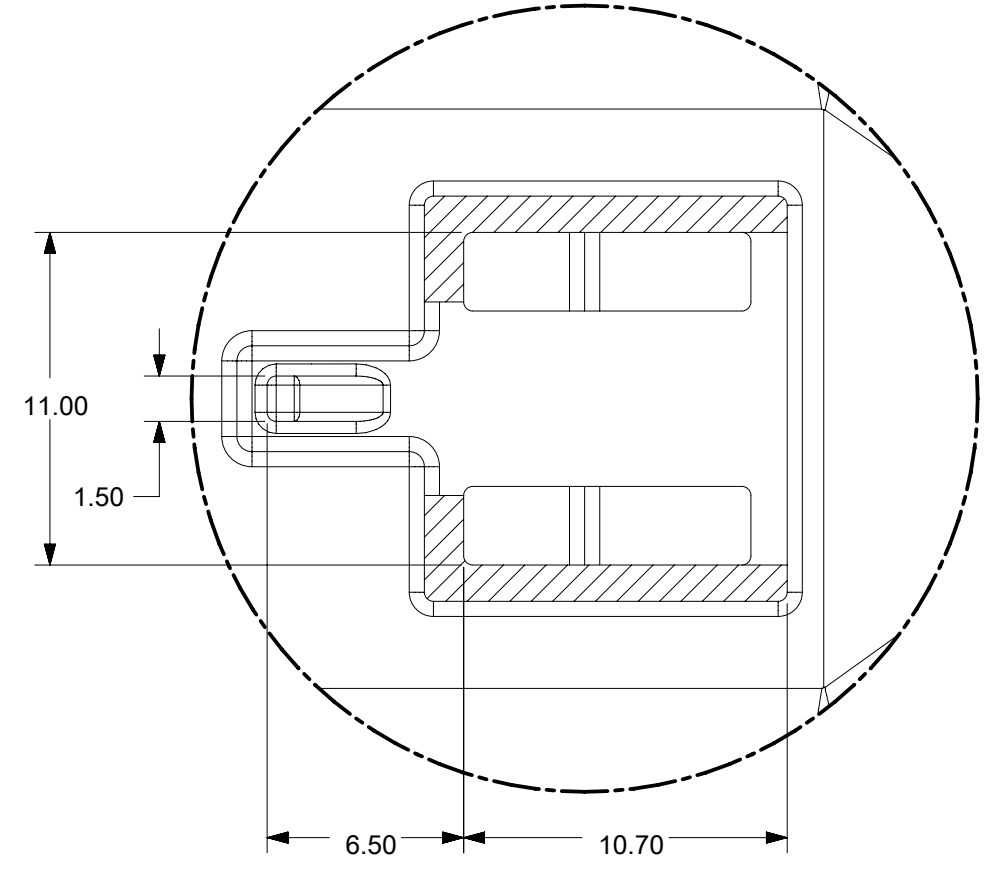
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	= 0	mm	1.5:1									
				GENERAL TOLERANCES (UNLESS SPECIFIED)								
				ANGULAR TOL ± 1.0 °		EC NO: 171650						
	= 0	4 PLACES ±		DRWN: DDEB 2018/01/19				PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-33472-0001 DOC TYPE PSD DOC PART 001 REVISION C2				
	= 0	3 PLACES ±		CHK'D: MVANSLAMBROU 2018/02/16								
	= 0	2 PLACES ± 0.1		APPR: MVANSLAMBROU 2018/02/16								
	= 0	1 PLACE ± 0.2		INITIAL REVISION:				THIRD ANGLE PROJECTION				
	= 0	0 PLACES ±		DRWN: APROFFITT 2014/05/14								
= 0	DRAFT WHERE APPLICABLE		DRAWING		SERIES		MATERIAL NUMBER					CUSTOMER
= 0	MUST REMAIN WITHIN DIMENSIONS		A1-SIZE		33472		GENERAL MARKET		6 OF 11			

SHEET DESCRIPTION	
SCHLEMMER BACKSHELL	



V

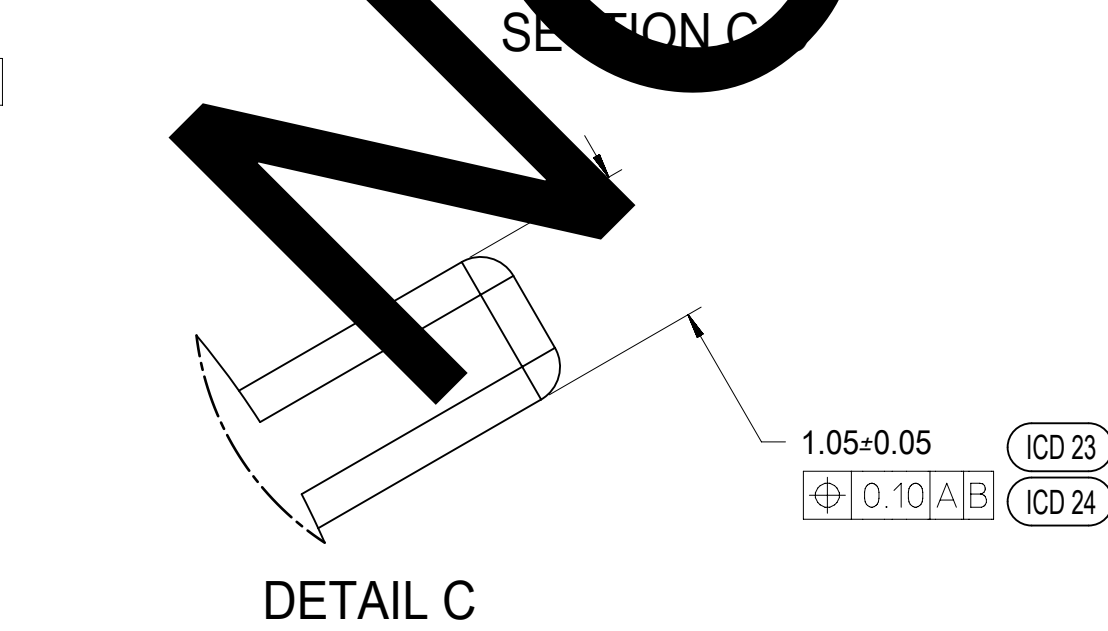
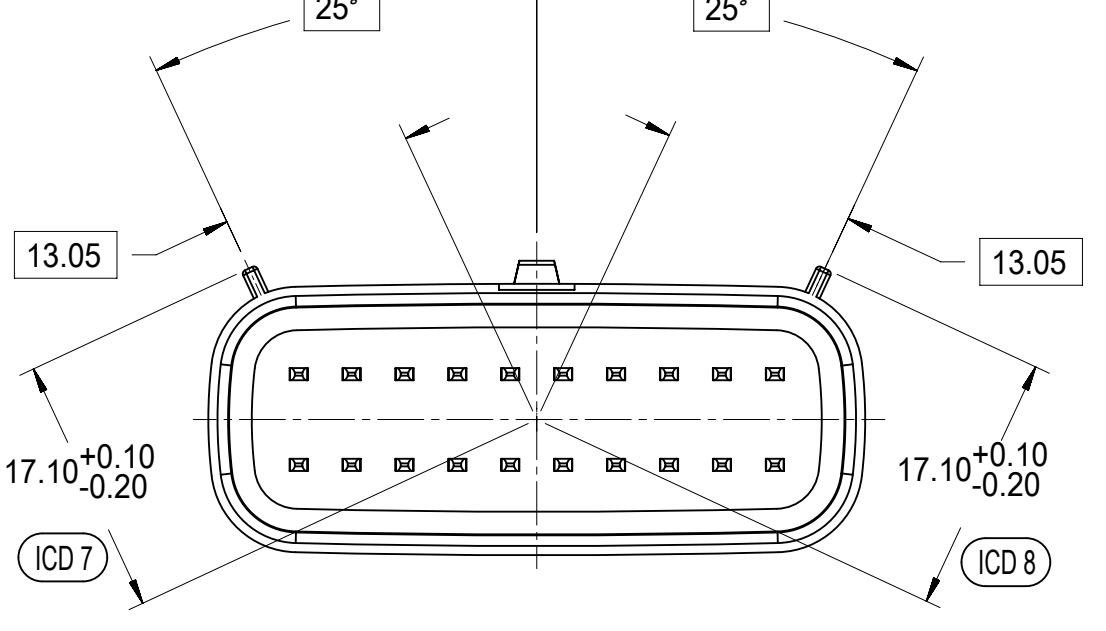
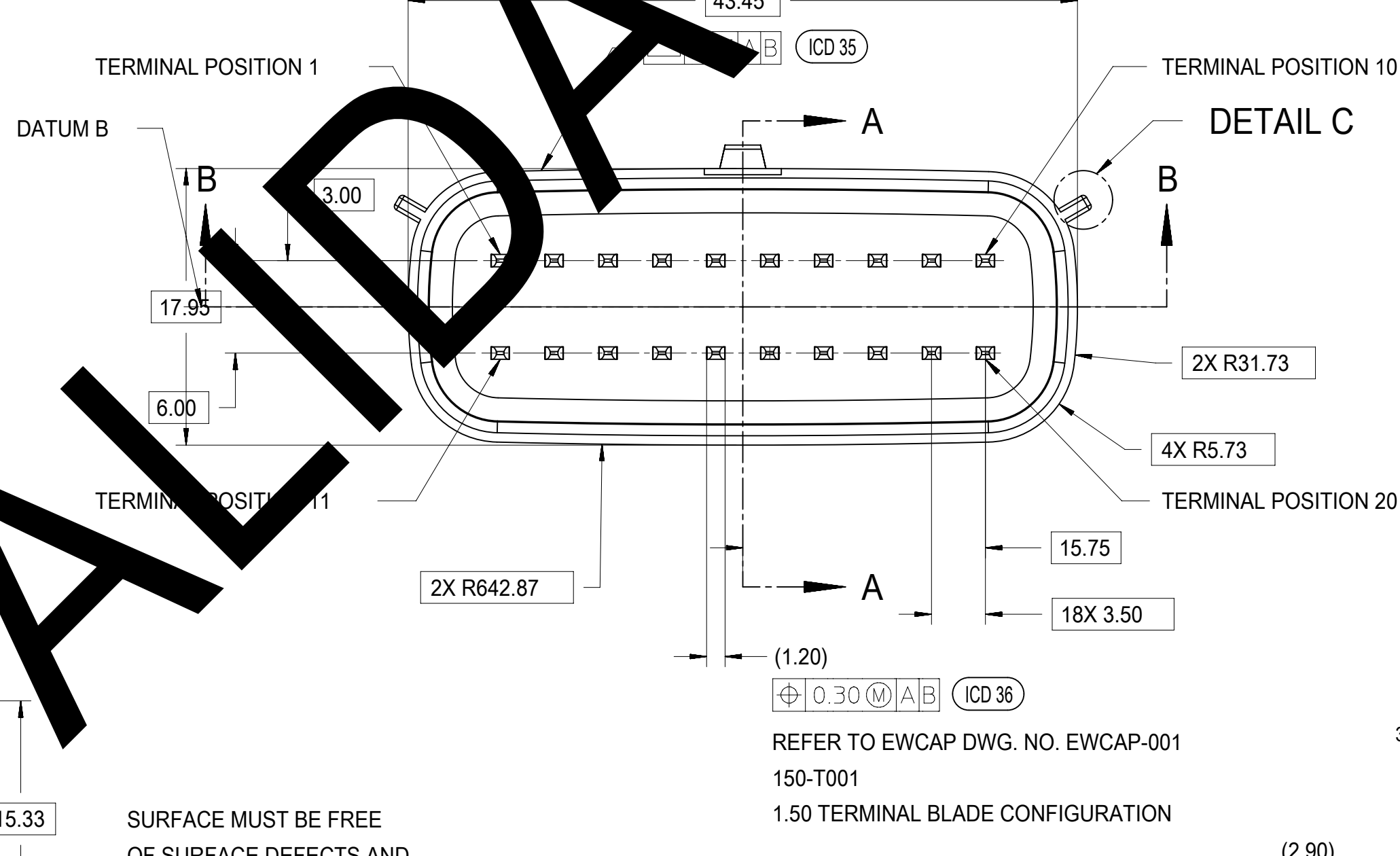
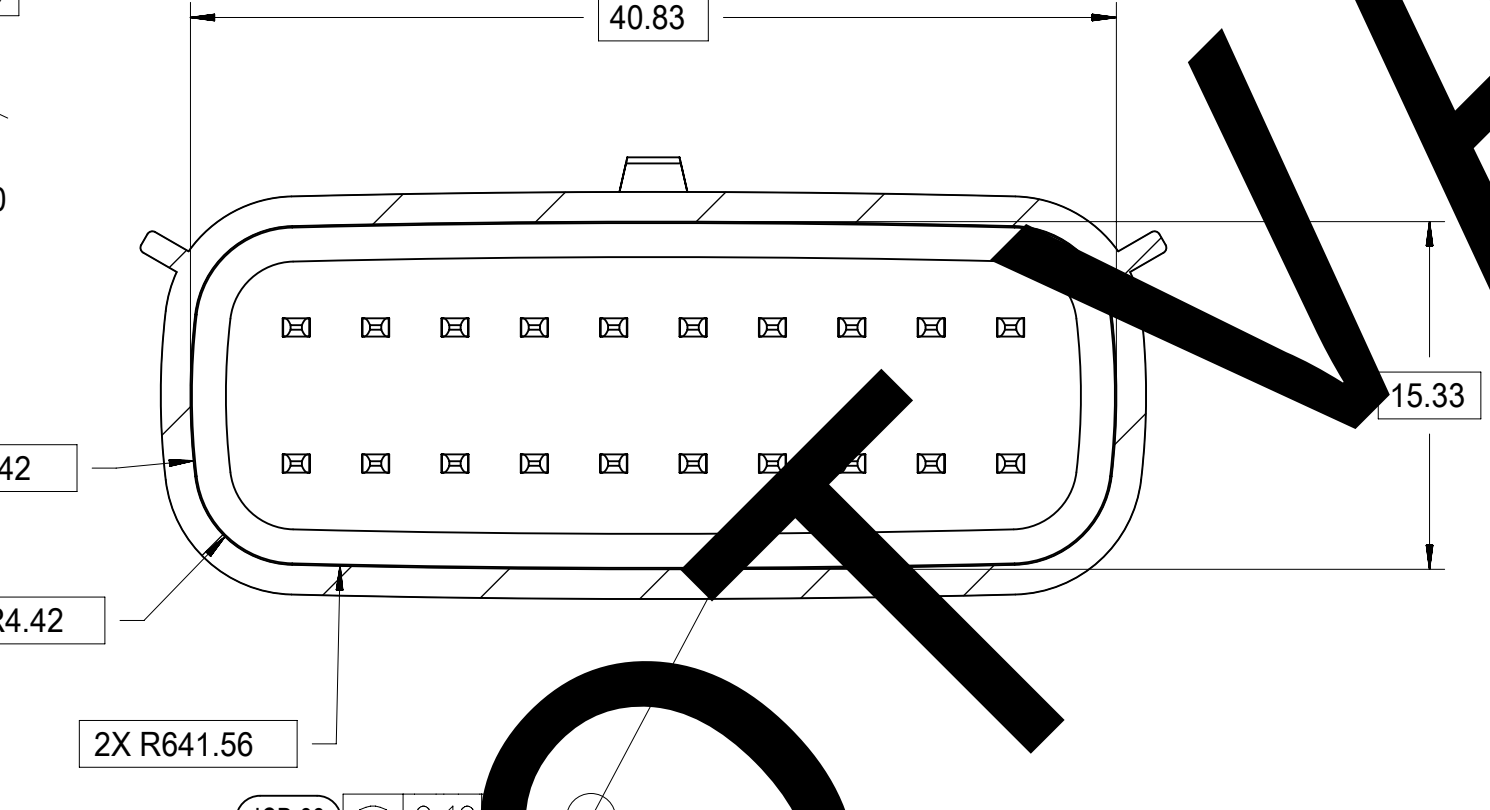
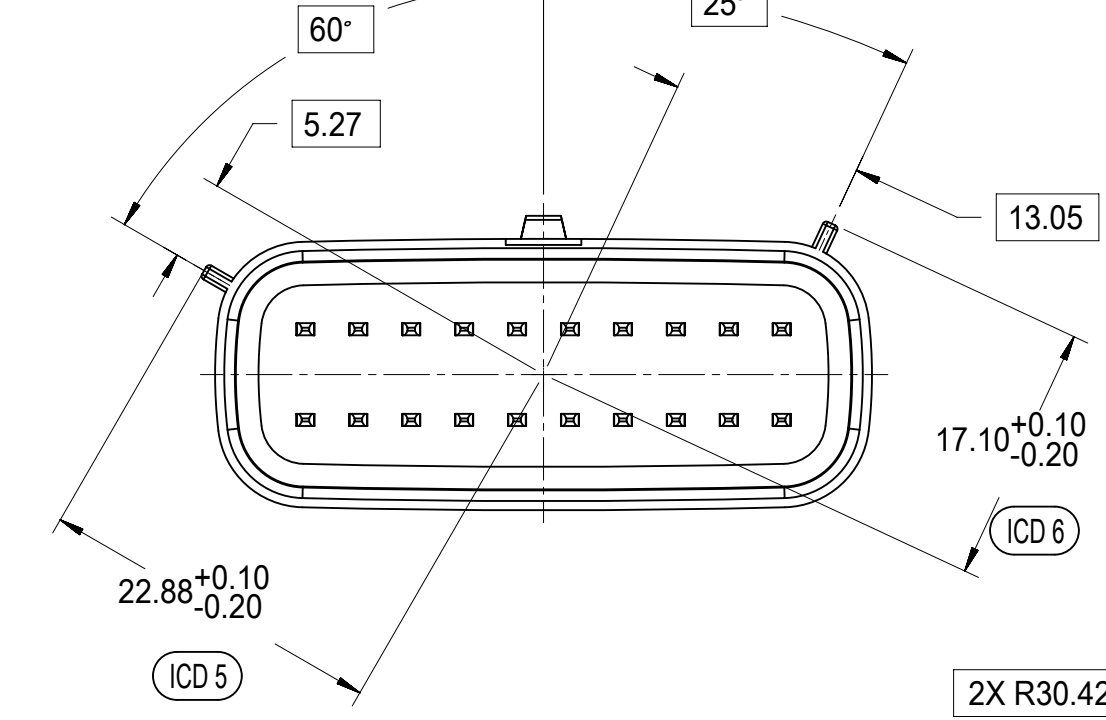
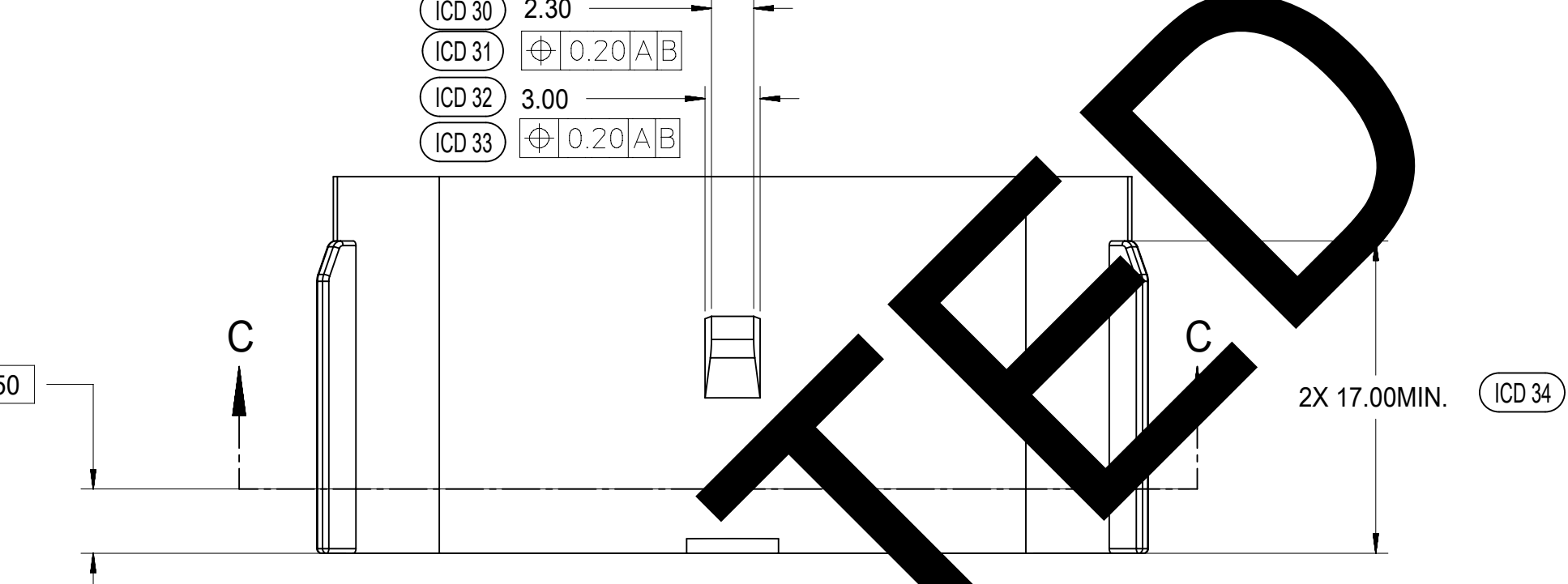
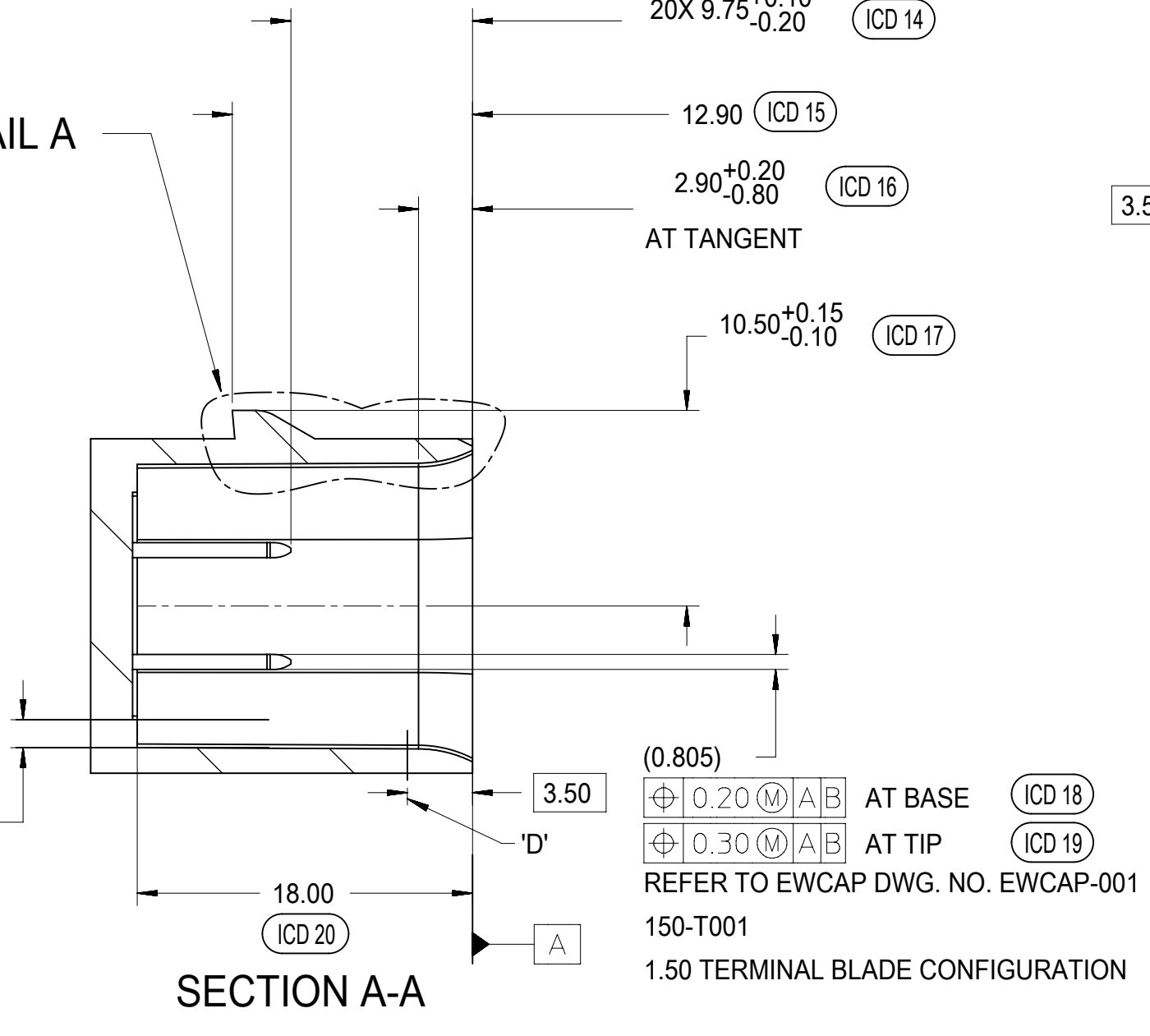
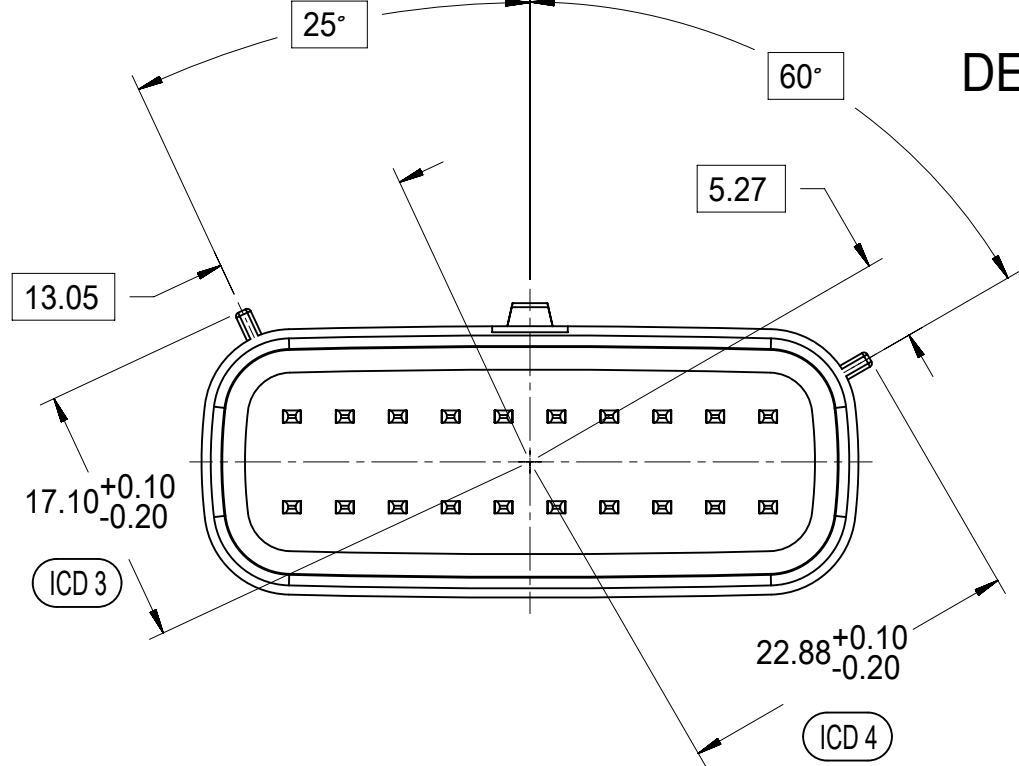
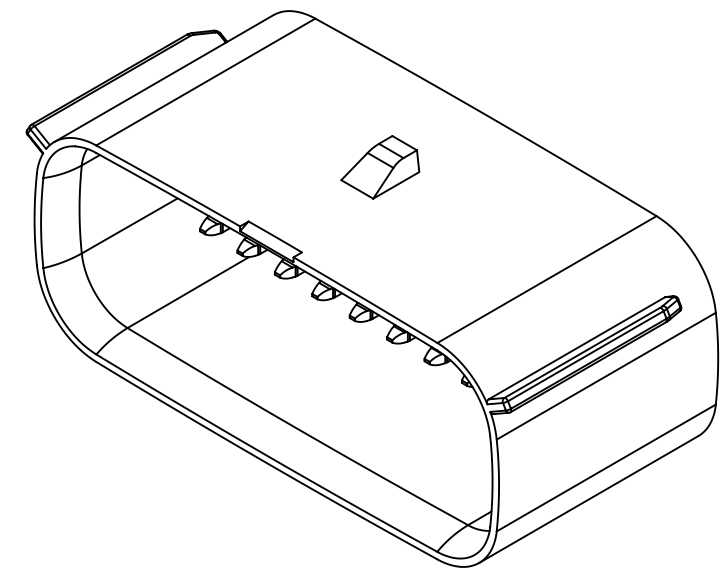
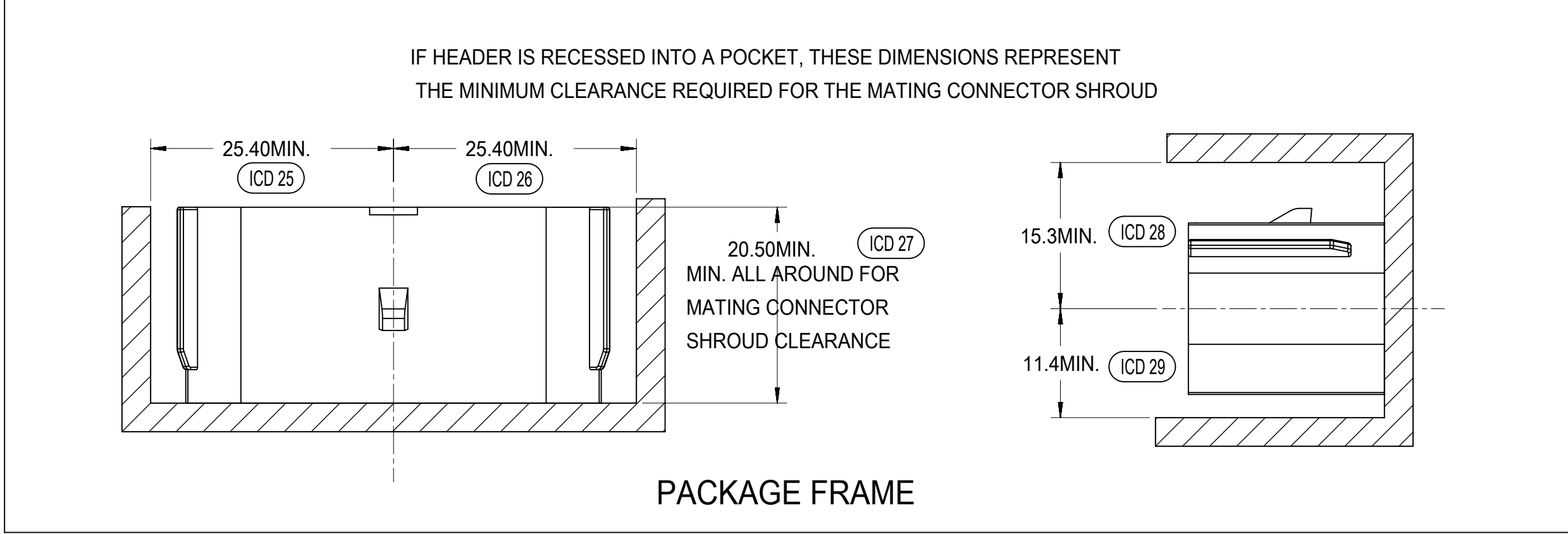
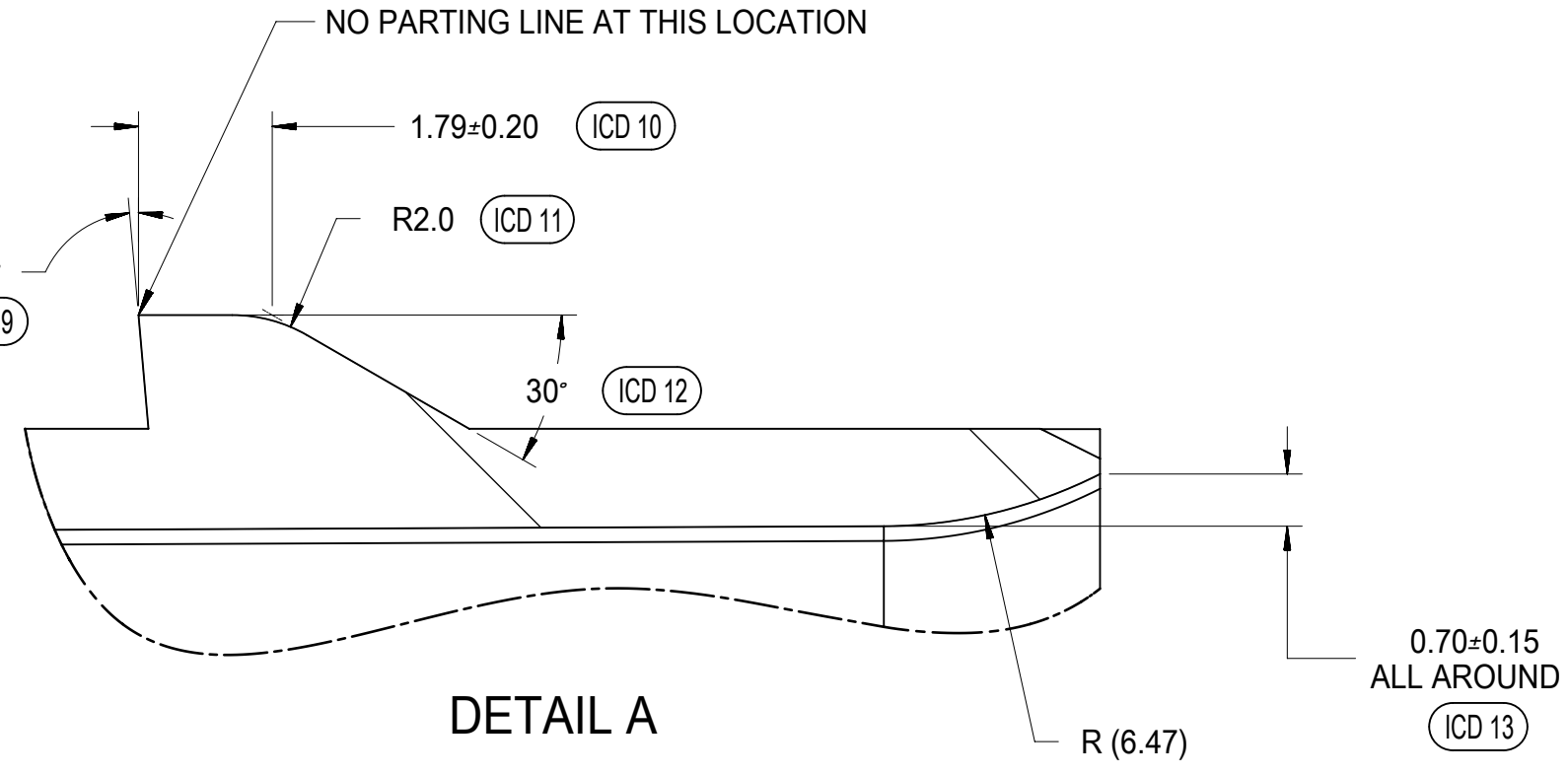
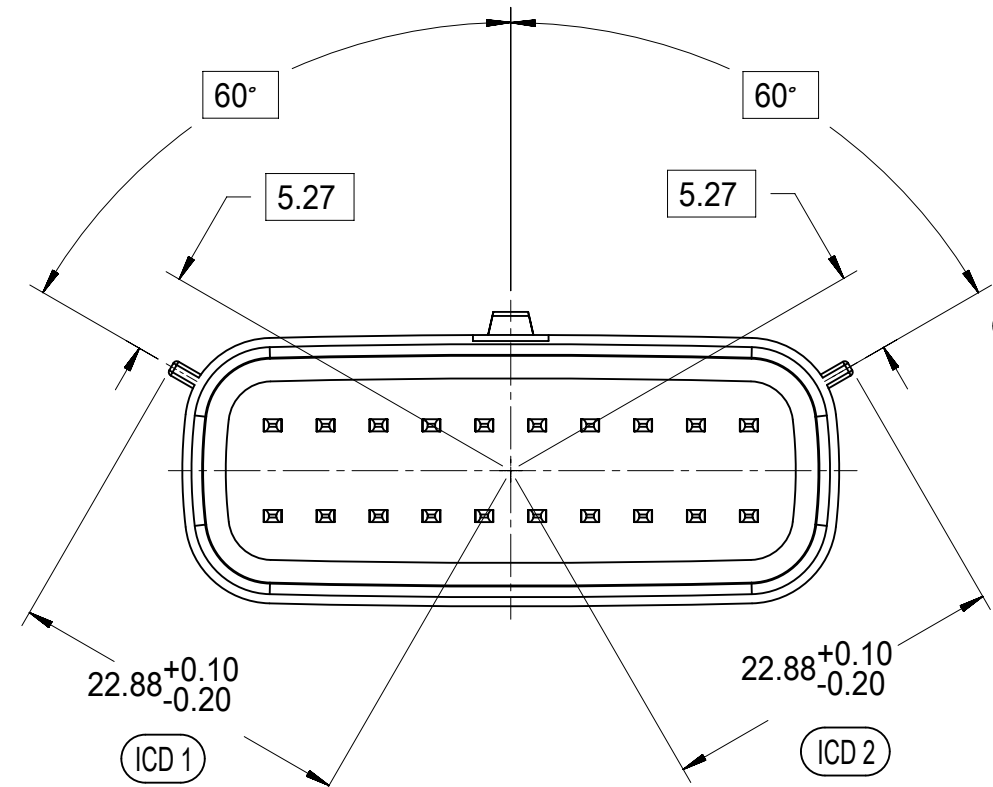
V



Partial V-V
SCALE 4:1

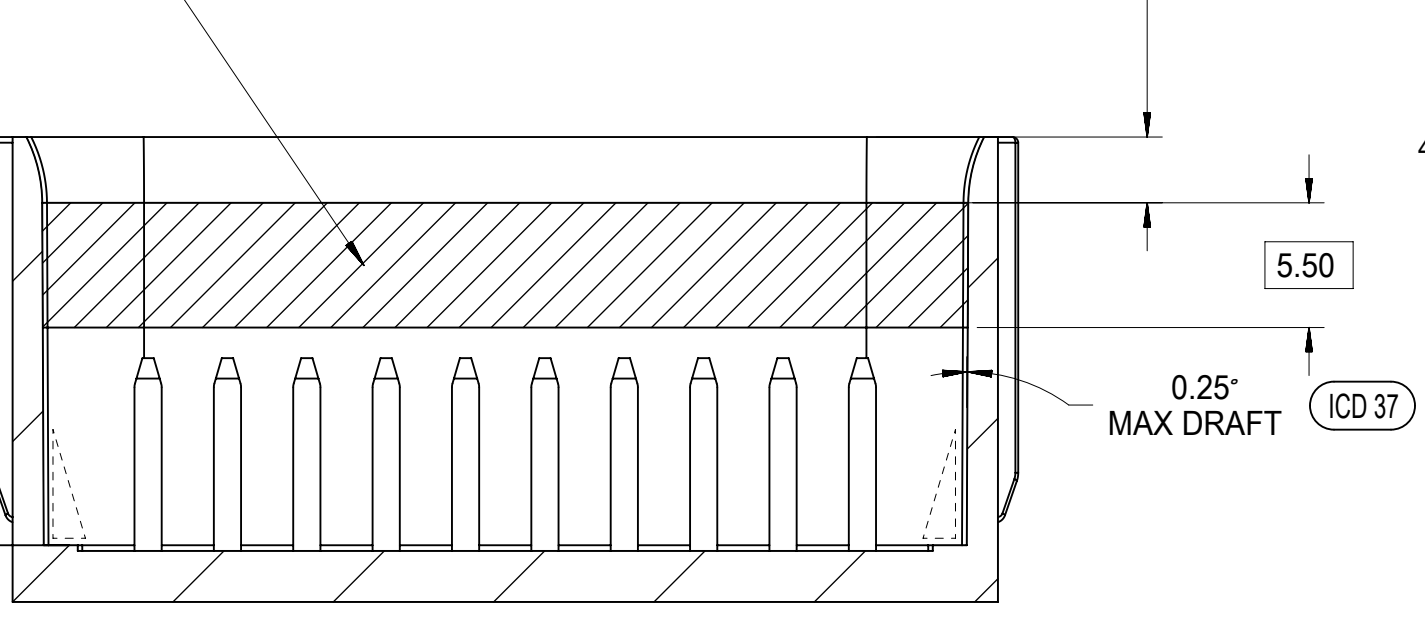
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	mm		4:1												
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 = 0															
 = 0	ANGULAR TOL ± 1.0 °				INITIAL REVISION: DRWN: APROFFITT 2014/05/14 APPR: VKOSHY 2014/06/27					PRODUCT CUSTOMER DRAWING					
 = 0	4 PLACES ±														
 = 0	3 PLACES ±				DOCUMENT NUMBER SD-33472-0001					DOC TYPE PSD		DOC PART 001		REVISION C2	
 = 0	2 PLACES ± 0.1														
 = 0	1 PLACE ± 0.2				THIRD ANGLE PROJECTION					MATERIAL NUMBER GENERAL MARKET					
 = 0	0 PLACES ±														
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING A1-SIZE		SERIES 33472		SHEET NUMBER 7 OF 11						
 = 0															

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16 22:02:25
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SURFACE MUST BE FREE OF SURFACE DEFECTS AND PARTING LINES FOR SEALING ALL AROUND

CONSTRUCTION BELOW THIS SURFACE IS NOT CONTROLLED BY EWCAP. NO PLASTIC FEATURES MAY EXTEND ABOVE THIS SURFACE.



MATING INTERFACE NOTES: VALID UNLESS OTHERWISE SPECIFIED

- GENERAL:
 - DESIGNED TO MATE WITH MOLEX CONNECTOR 33472-2XXX & 160008-0XXX & 160074-0XXX
 - A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THRU D) WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS. REFER TO 'SAE/USCAR-12 CONNECTOR DESIGN GUIDE LINES' FOR ADDITIONAL INFORMATION
 - PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
 - FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
 - BURN RATE 100mm/MIN MAXIMUM
 - MATERIAL MUST BE SELF EXTINGUISHING
- MATERIALS:
 - MATERIAL: SPS/NYLON GF20, REGRIND 20% MAX BY WEIGHT
 - STANDARD COLORS FOR POLARIZATION (SEE KEYING OPTIONS TABLE). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON
 - FOR BLADE BASE MATERIAL, PLATING AND PROCESS LUBRICANT:
 - TIN: - BASE MATERIAL: COPPER ALLOY, CONDUCTIVITY >=60% IACS AT 20°C; TENSILE STRENGTH >= 410 N/mm² - BARRIER MATERIAL: NICKEL DEPOSIT FROM NICKEL SULFAMATE PLATING SOLUTION W/O ANY ADDITIVES THICKNESS: 1.25 - 2.25 MICROMETERS
 - TOP LAYER: 100% ELECTRO-DEPOSITED TIN, MATTE FINISH THICKNESS: 2.5 - 4.0 MICROMETERS
 - SILVER: - BARRIER MATERIAL: ELECTRO-DEPOSITED DUCTILE SULPHAMATE NICKEL THICKNESS: 1.25 - 2.25 MICROMETERS
 - TOP LAYER: ELECTRO-DEPOSITED SEMI-BRIGHT PURE SILVER (0.5% MAX IMPURITIES) OVER NICKEL ANTI-TARNISH TREATMENT EVERBRIGHT WS THICKNESS: 1.9 - 3.3 MICROMETERS
 - BLADES MUST CONFORM TO ES-40000-5007, EXCEPT FOR SPECULAR REFLECTIVITY - SECTION 6.0
 - ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE IT'S ELECTRICAL PERFORMANCE UP TO A MAXIMUM CLASS AMBIENT TEMPERATURE PER SAE USCAR-2 FOR 1008 HOURS, PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER
 - INFORMATION FOR BLADE DESIGN WAS DEVELOPED FROM EWCAP DWG: EWCAP-001
- GEOMETRY:
 - 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.
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
 - GENERAL TOLERANCES: SEE TITLE BLOCK
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- MANUFACTURING:
 - DRAFT TO BE WITHIN TOLERANCE. PLUS DRAFT - INDICATES A DIMENSION REPRESENTS THE SMALLEST SIZE OF A FEATURE. DRAFT WILL ADD MATERIAL. MINUS DRAFT - INDICATES A DIMENSION REPRESENTS THE LARGEST SIZE OF A FEATURE. DRAFT WILL REMOVE MATERIAL.
 - ALLOWABLE FLASH MAX 0.20 HIGH BY MAX 0.13 THICK.
 - ALLOWABLE SPLIT/PARTING LINE MISMATCH 0.2 MAX.
 - VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
 - NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING
 - NO PARTING LINES, NO DRAFT, MISMATCHES OR EJECTOR MARKS PERMISSIBLE WITHIN SEALING SURFACE. SEALING SURFACE TOOLING TO BE PROCESSED ON A SURFACE FINISH OF NITRA 70 (400 PAPER) MINIMUM.

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:											
	= 0	mm		1:1		molex MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL									
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)													
	= 0	ANGULAR TOL ± 1.0 °													
	= 0	4 PLACES		±		EC NO: 171650		DRWN: DDEB 2018/01/19 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16							
	= 0	3 PLACES		±											
	= 0	2 PLACES		± 0.1											
	= 0	1 PLACE		± 0.2		INITIAL REVISION:		DRWN: APROFITT 2014/05/14 APPR: VKOSHY 2014/06/27							
	= 0	0 PLACES		±											
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				A1-SIZE		33472		SD-33472-0001		PSD		001		C2	
		MATERIAL NUMBER				CUSTOMER				SHEET NUMBER					
						GENERAL MARKET				11 OF 11					

150-S-020-2-D02	D	STONE GRAY
150-S-020-2-C02	C	DK GRAY
150-S-020-2-B02	B	LT GRAY
150-S-020-2-A02	A	BLACK
P/N	OPTION	MATING CONNECTOR COLOR
DOCUMENT STATUS	P1	RELEASE DATE
		2018/02/16 22:02:25

DETAIL C
SCALE 20:1
APPLIES 2X
SEE KEYING OPTION VIEWS
FOR POSITIONS