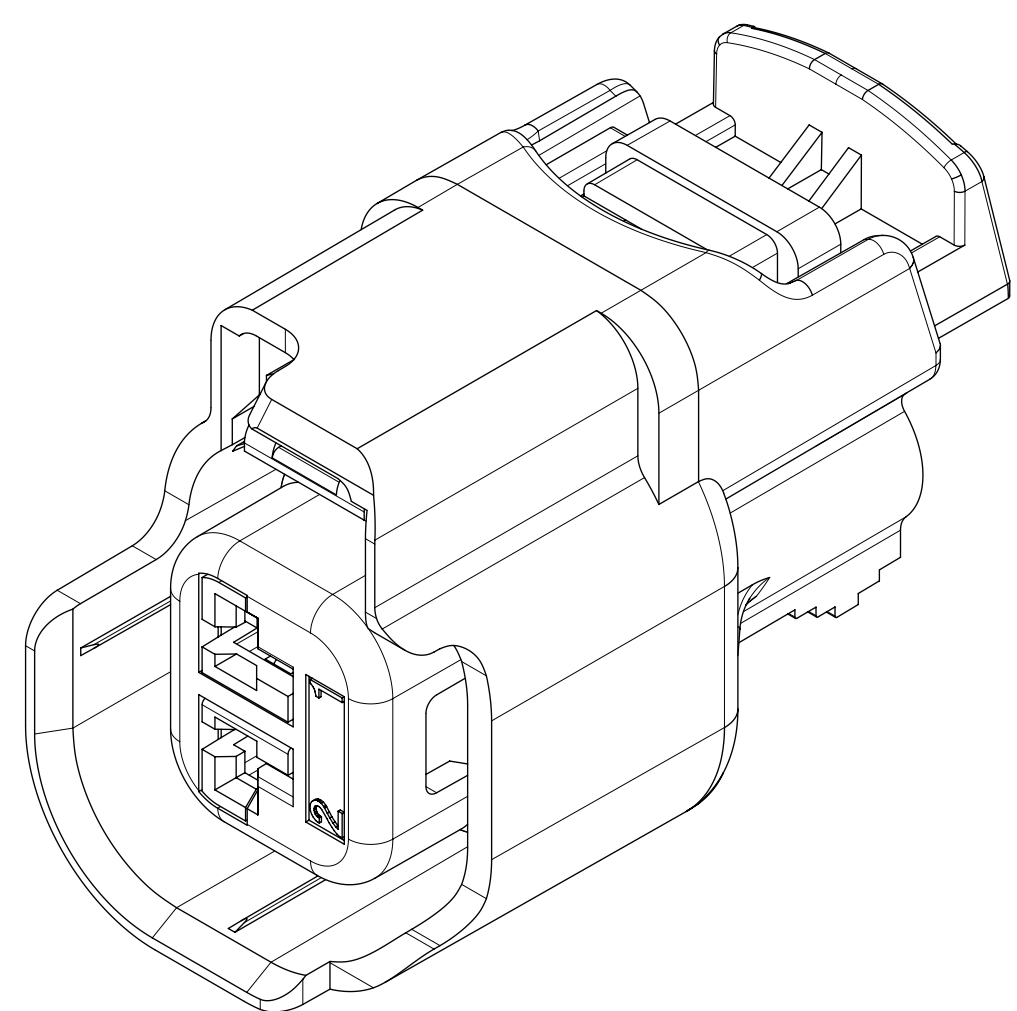
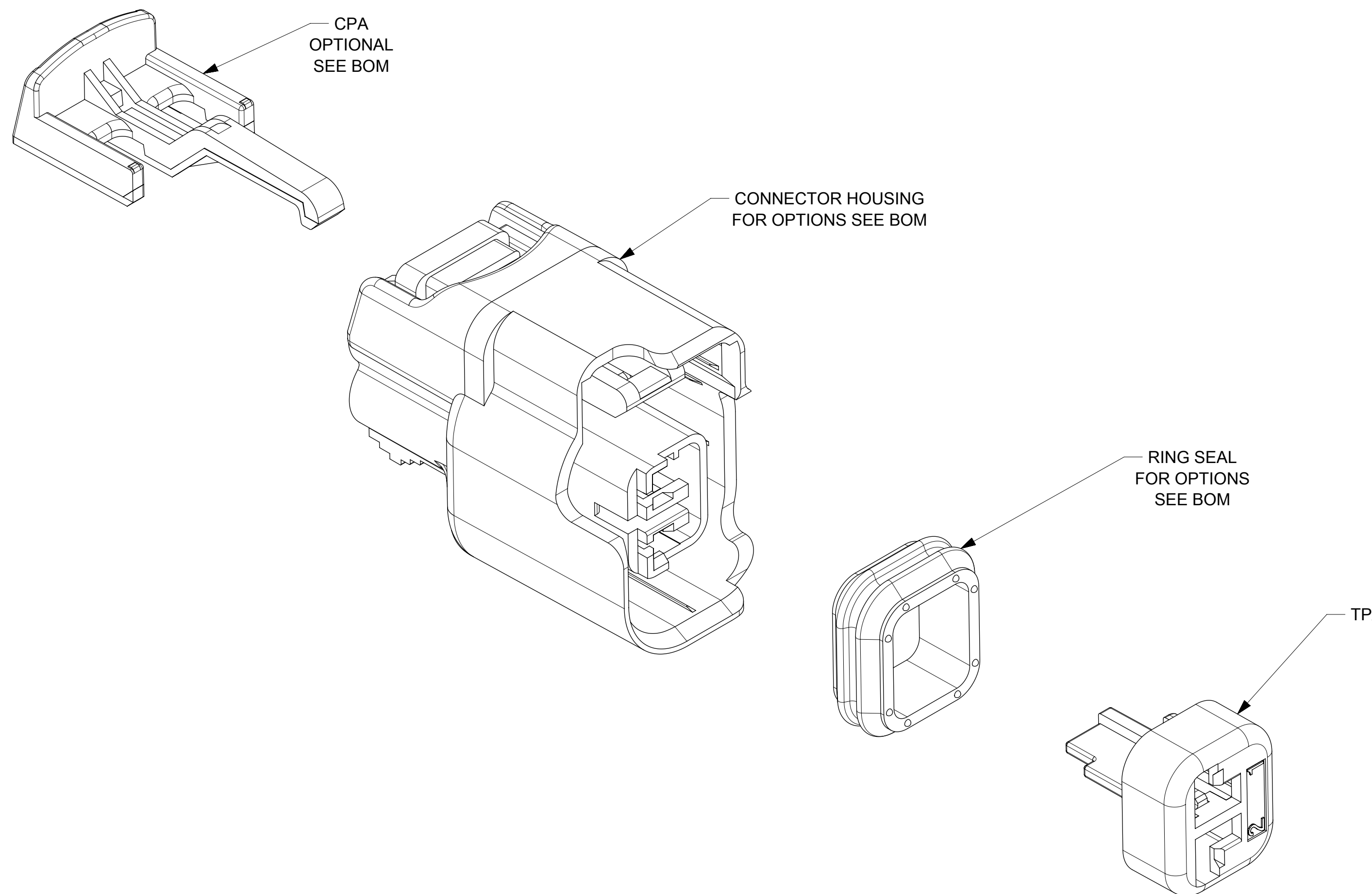


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2, 3	CONFIGURATIONS
4	RECEPTACLE CONNECTOR ASSEMBLY
5	MOLEX INTERFACE

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34062-000
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-002-1-Z01. AVAILIBLE AT <http://ewcap.uscarteams.org/>.
 - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING: SD-34675-001
 - ASSEMBLY SHIPPED WITH TPA IN PRE-LOCK (SEE TPA PRE-LOCK VIEW IN SHEET 4)
 - b. PRODUCT SPECIFICATION SEE: PS-34062-000
 - CONTAINS: SCOPE, PRODUCT DESCRIPTION, INTEGRAL COMPONENTS AND ACCESSORIES, APPLICABLE DOCUMENTS AND SPECIFICATIONS, RATINGS, PERFORMANCE, PACKAGING, GAUGE AND FIXTURES, AND OTHER INFORMATION.
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-30907-879
 - d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-301
 - e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
- a. SEE BOM TABLE IN SD-34062-004
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 - 1994
 - 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: TBD

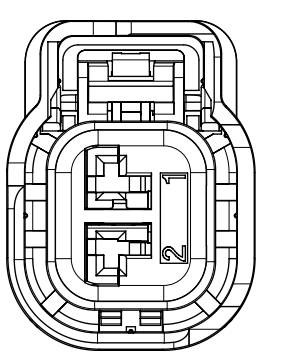
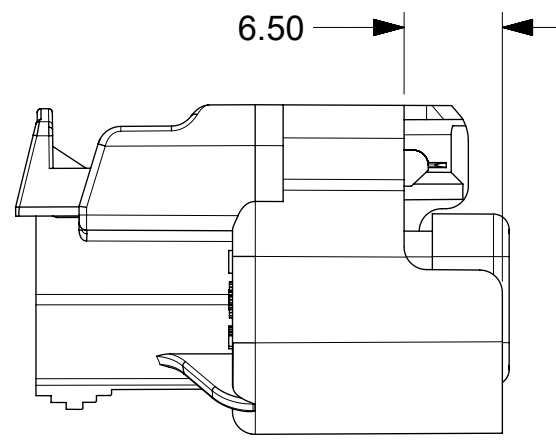


J19	NX RE-MASTERING
J18	ADDED DIM ICD 64
REV.	DESCRIPTION

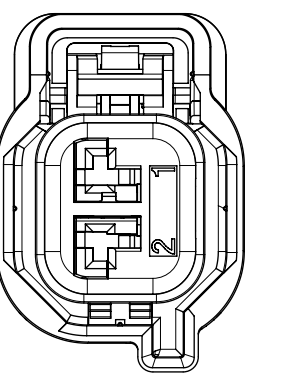
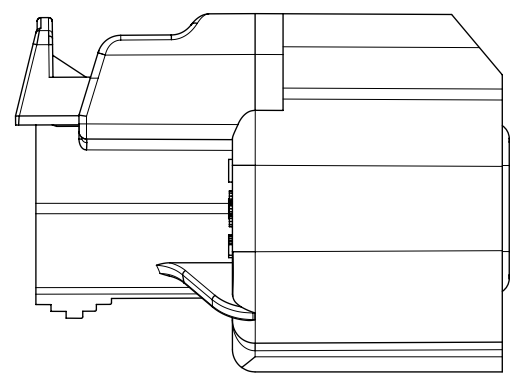
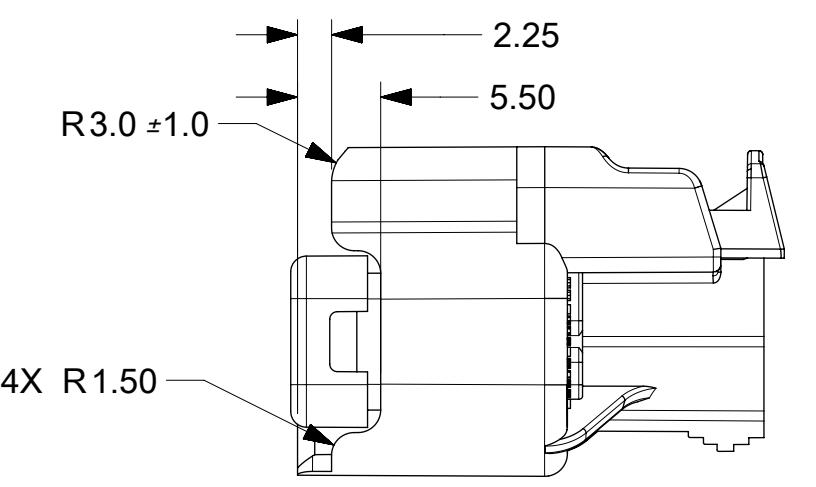
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIMENSION UNITS MM		SCALE 4:1			
GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN BY KCUNNINGHAM		DATE 2011/11/08			
ANGULAR TOL $\pm 3.0^\circ$		CHKD BY MVANSLAMBROU		DATE 1/26/2012		PRODUCT CUSTOMER DRAWING	
4 PLACES \pm		APPR BY KDEKOSKI		DATE 2017/06/14			
3 PLACES \pm		DRAWING SIZE D		THIRD ANGLE PROJECTION		MATERIAL NUMBER SEE NOTE 2a	
2 PLACES ± 0.1		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CUSTOMER GENERAL MARKET		DOCUMENT NUMBER SD-34062-002	
1 PLACE ± 0.3		EC NO: 117955 DRWN: PKABBUR CHKD: KDEKOSKI REV: APPR:		J19		DOC TYPE PSD	
0 PLACES \pm		PER DRAWING REVISION: J18		LAST BALLOON NUMBER USED: ICD 64		DOC PART 000	
INSPECTION BALLOON NUMBER LOG		ADDED BALLOON NUMBERS: ICD 64		REMOVED BALLOON NUMBERS: ICD 7, ICD 8, ICD 9, ICD 18, ICD 19, ICD 20, ICD 41, ICD 42		SHEET NUMBER 1 OF 5	

INSPECTION BALLOON NUMBER LOG	
PER DRAWING REVISION: J18	
LAST BALLOON NUMBER USED: ICD 64	
ADDED BALLOON NUMBERS: ICD 64	
REMOVED BALLOON NUMBERS: ICD 7, ICD 8, ICD 9, ICD 18, ICD 19, ICD 20, ICD 41, ICD 42	

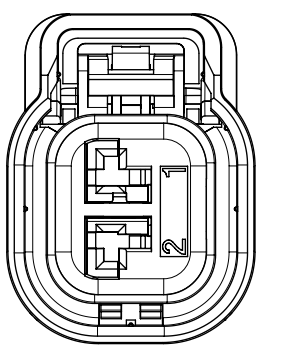
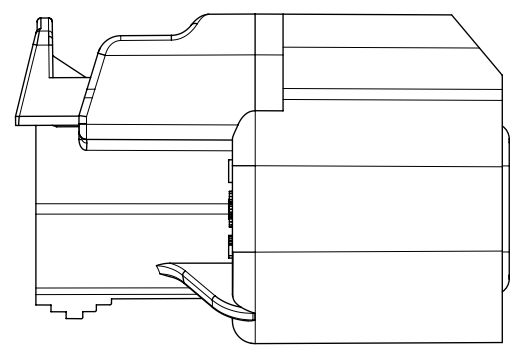
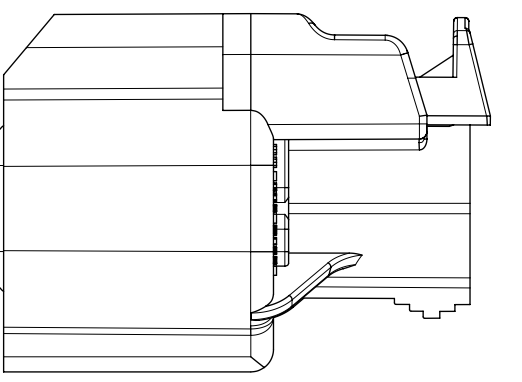
SHEET DESCRIPTION
CONFIGURATIONS



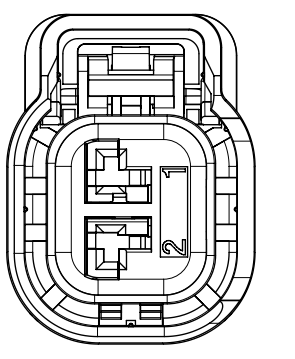
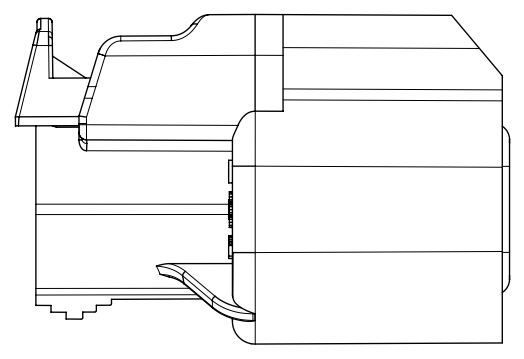
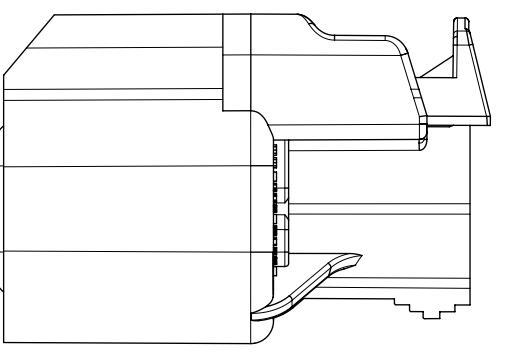
OPTION A



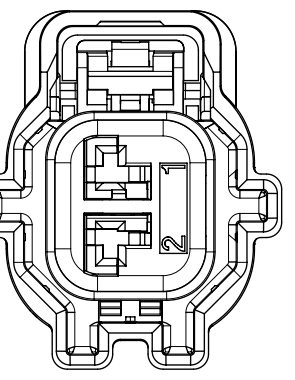
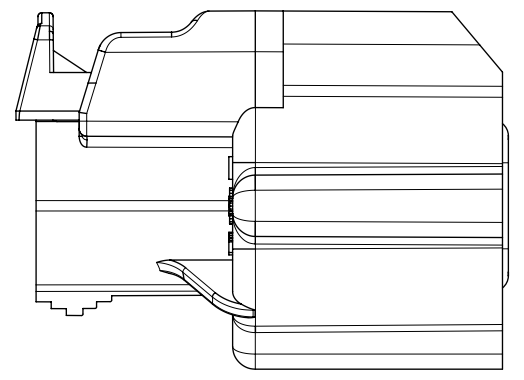
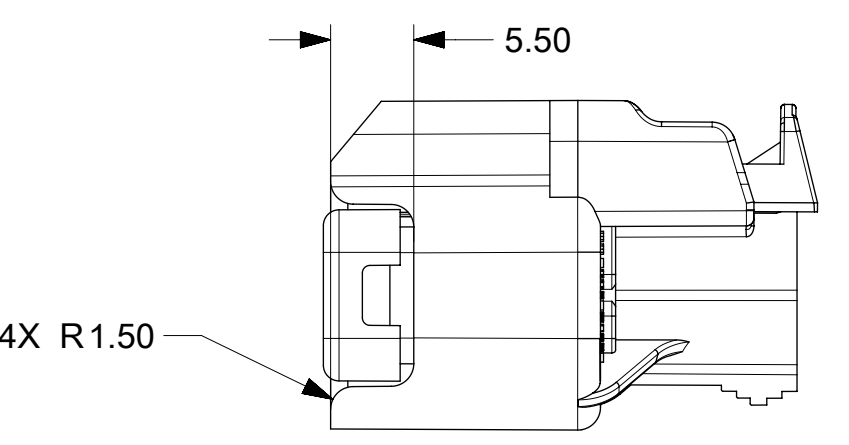
OPTION B



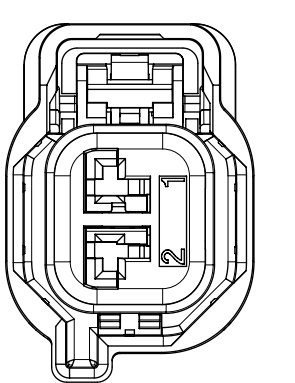
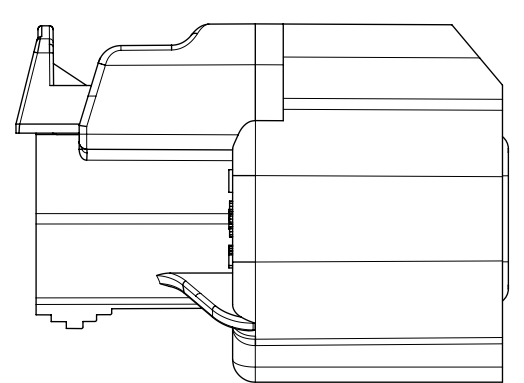
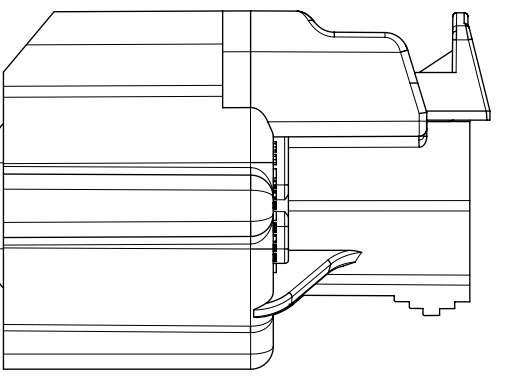
OPTION C



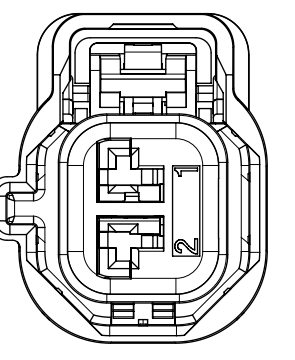
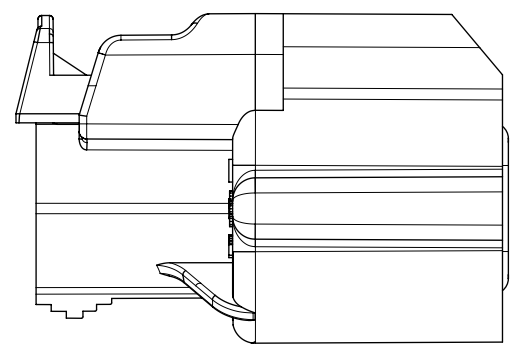
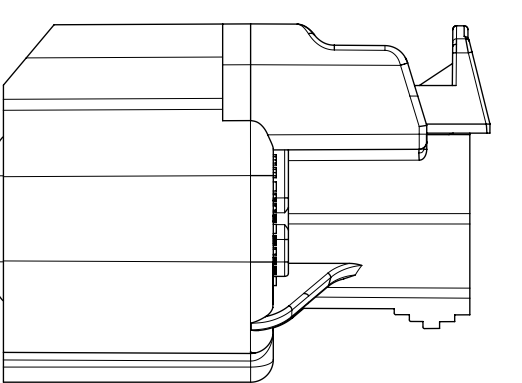
OPTION D



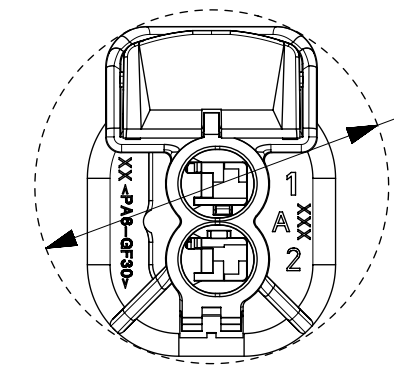
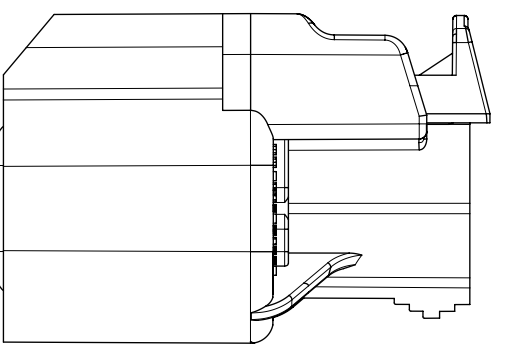
OPTION E



OPTION F

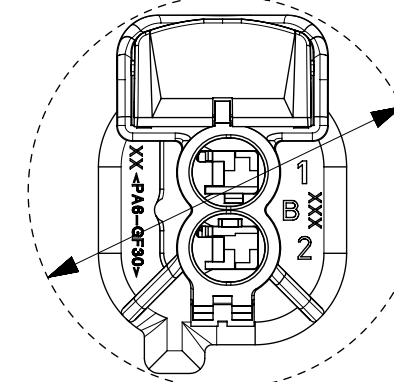


OPTION G



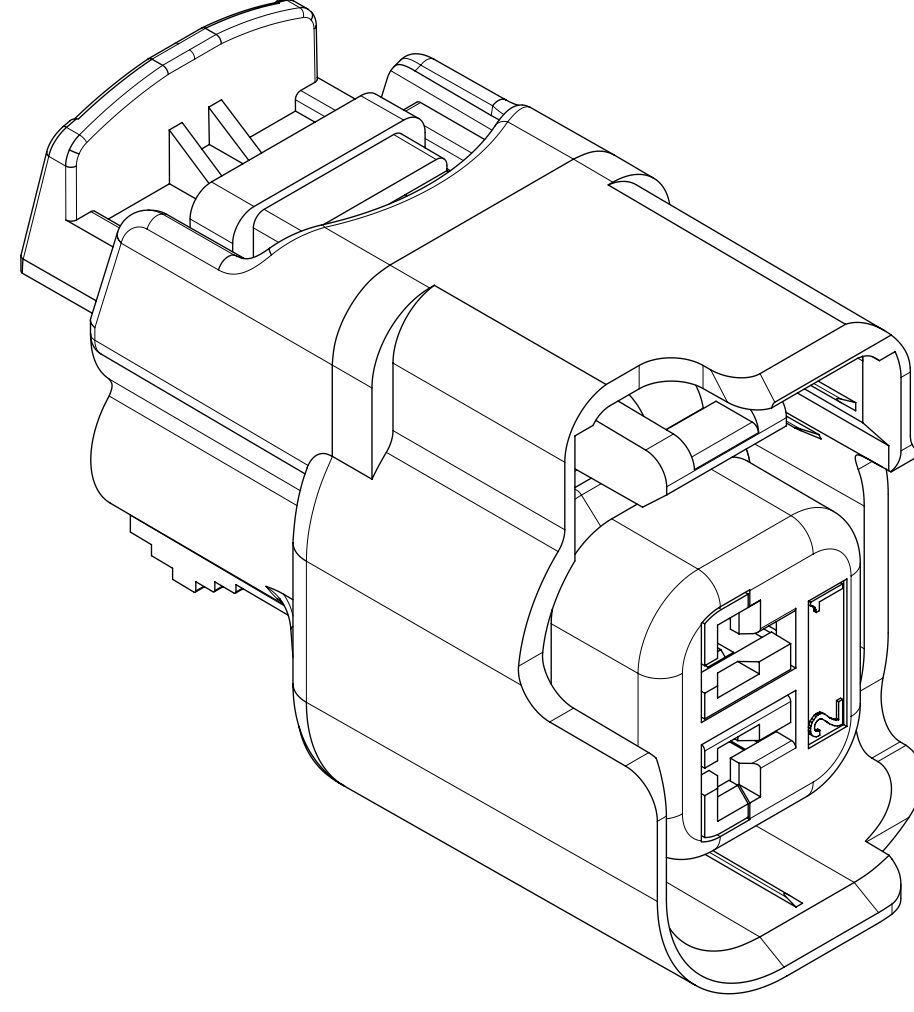
REAR VIEW

Ø23.40
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO NON-CLIP SLOT
OPTIONS A, C, D & G



REAR VIEW

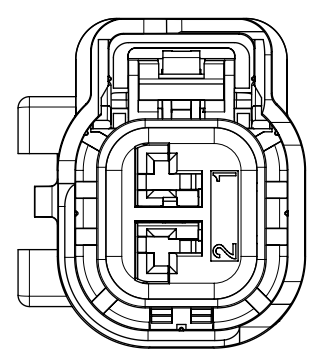
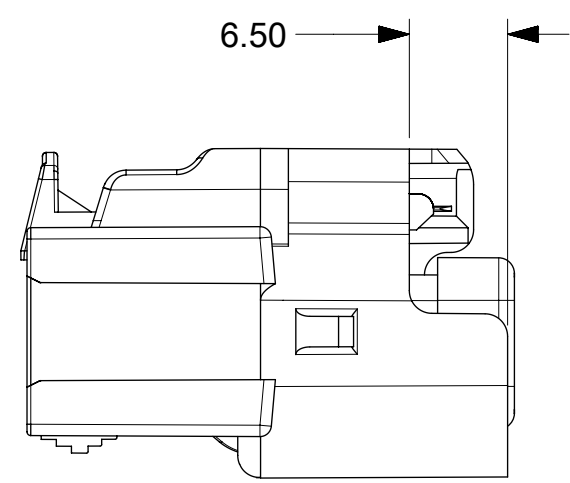
Ø26.00
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO NON-CLIP SLOT
OPTIONS B, E & F



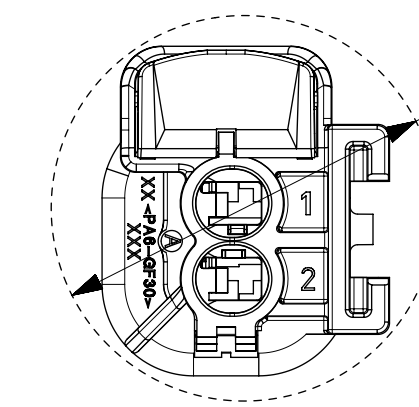
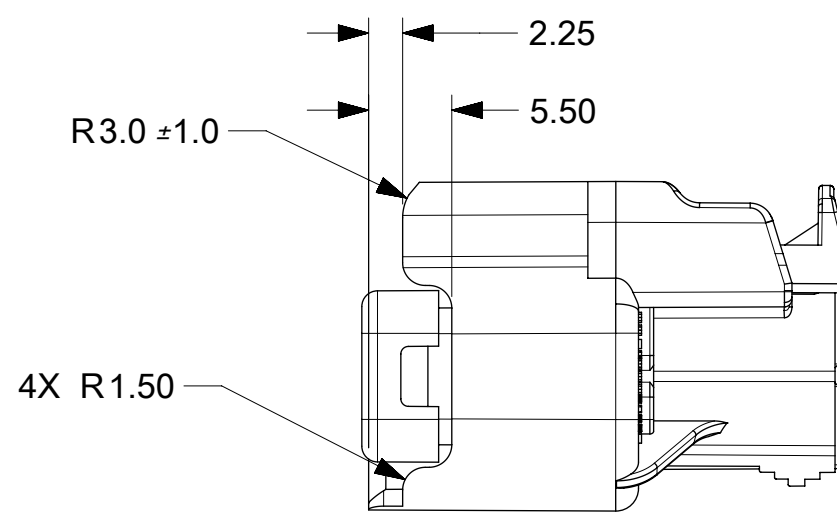
NON CLIP-SLOT OPTION
SCALE 4:1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
QUALITY SYMBOLS	EC NO: 117955 DRWN: PKABBUR CHKD: REV: APPR: KDEKOSKI	2017/05/15 2017/06/14	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE					
			ANGULAR TOL ± 3.0 °		MM	2:1					
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▽ = 0			2 PLACES ± 0.1	CHKD BY	DATE	PRODUCT CUSTOMER DRAWING					
▽ = 0			1 PLACE ± 0.3	MVANSLAMBROU	1/26/2012						
▽ = 0			0 PLACES ±	APPR BY	DATE	SERIES	MATERIAL NUMBER	CUSTOMER			
▽ = 0				KDEKOSKI	2017/06/14	34062	SEE NOTE 2a	GENERAL MARKET			
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				J19				SD-34062-002	PSD	000	2 OF 5

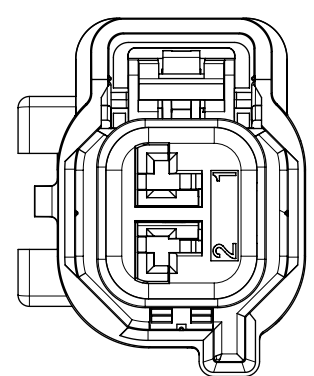
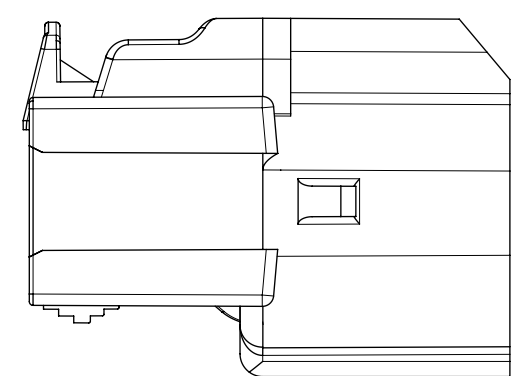
SHEET DESCRIPTION
CONFIGURATIONS



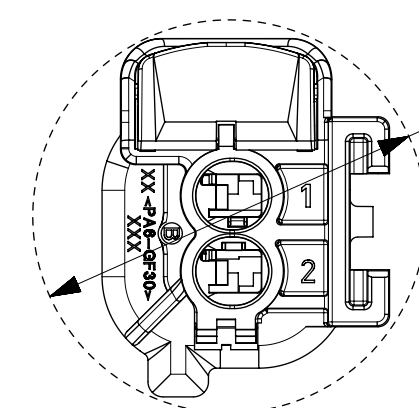
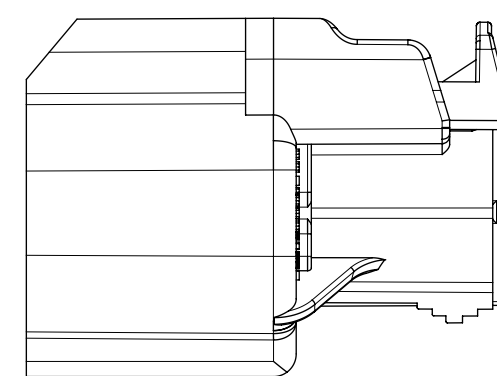
OPTION A W/CLIP-SLOT *



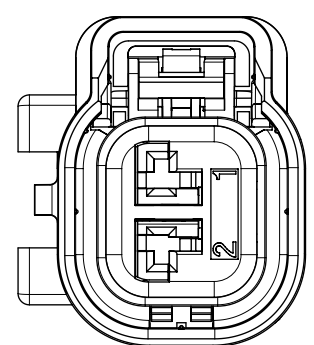
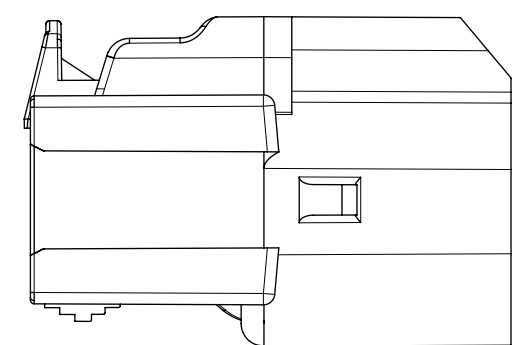
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MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO CLIP-SLOT
OPTIONS A, C & D



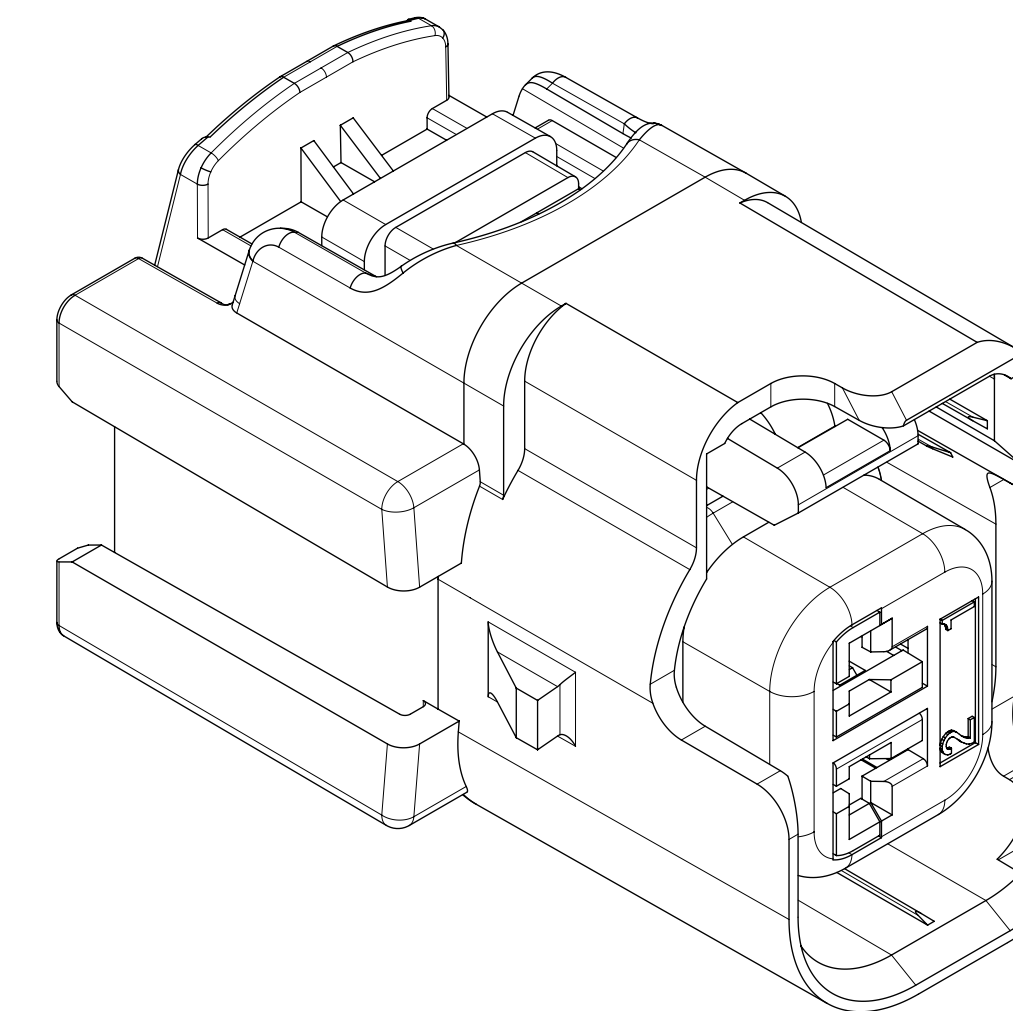
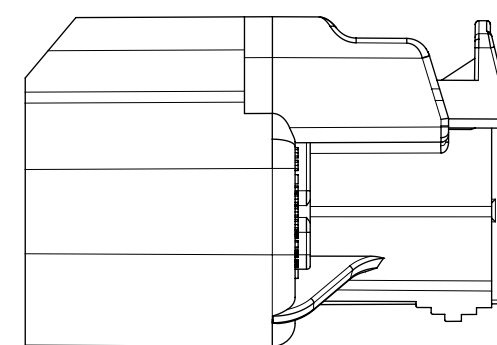
OPTION B W/CLIP-SLOT *



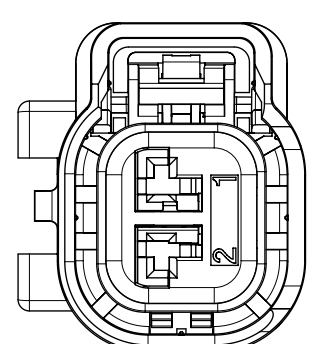
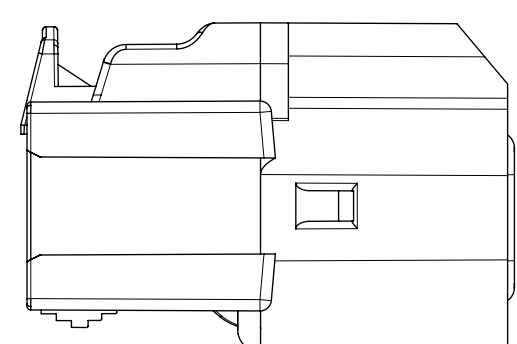
Ø26.00
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO CLIP-SLOT
OPTION B



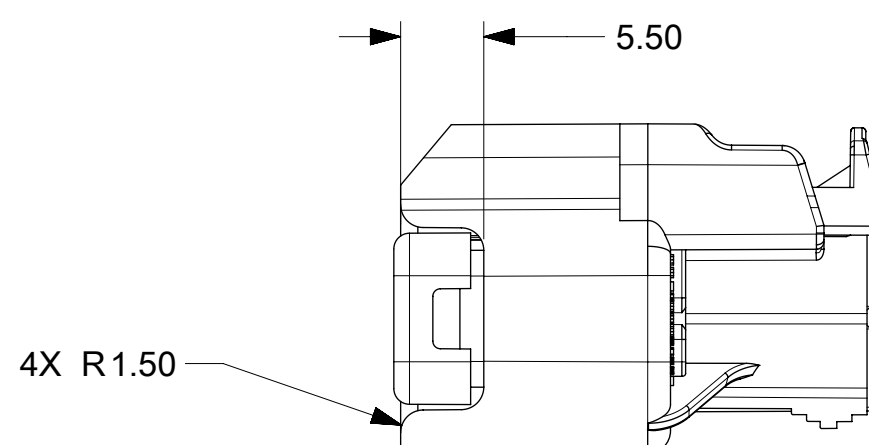
OPTION C W/CLIP-SLOT *



CLIP-SLOT OPTION
SCALE 4:1



OPTION D W/CLIP-SLOT *

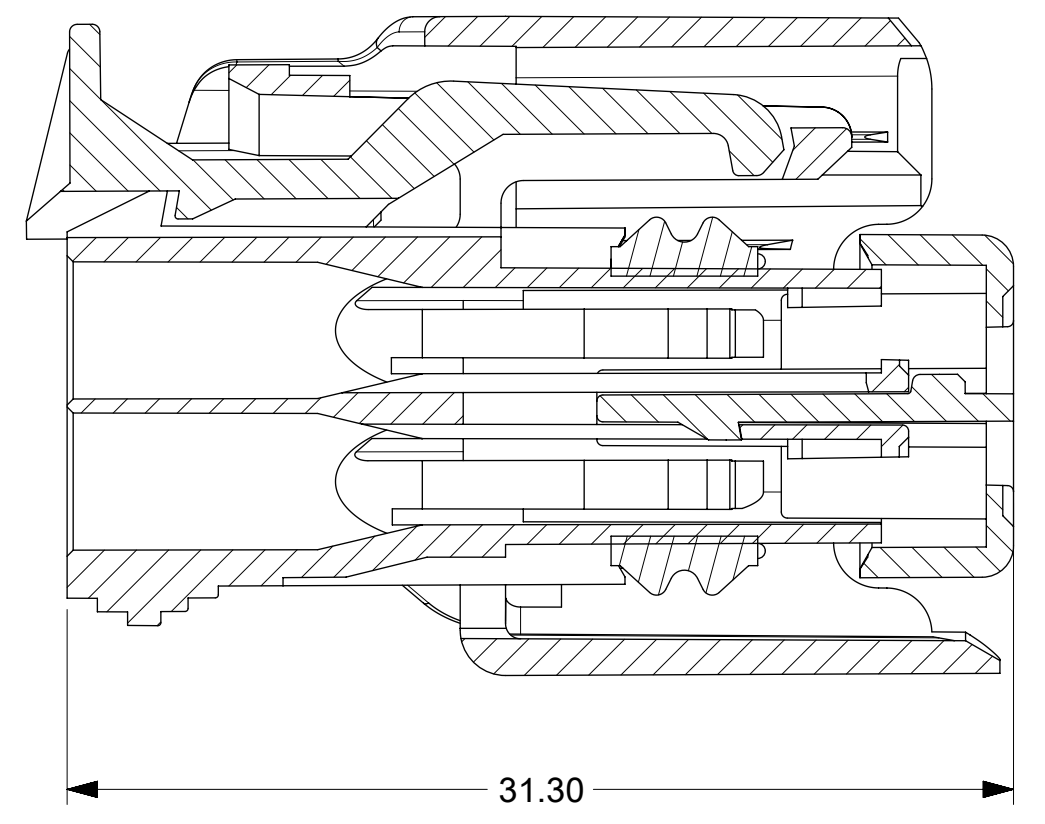
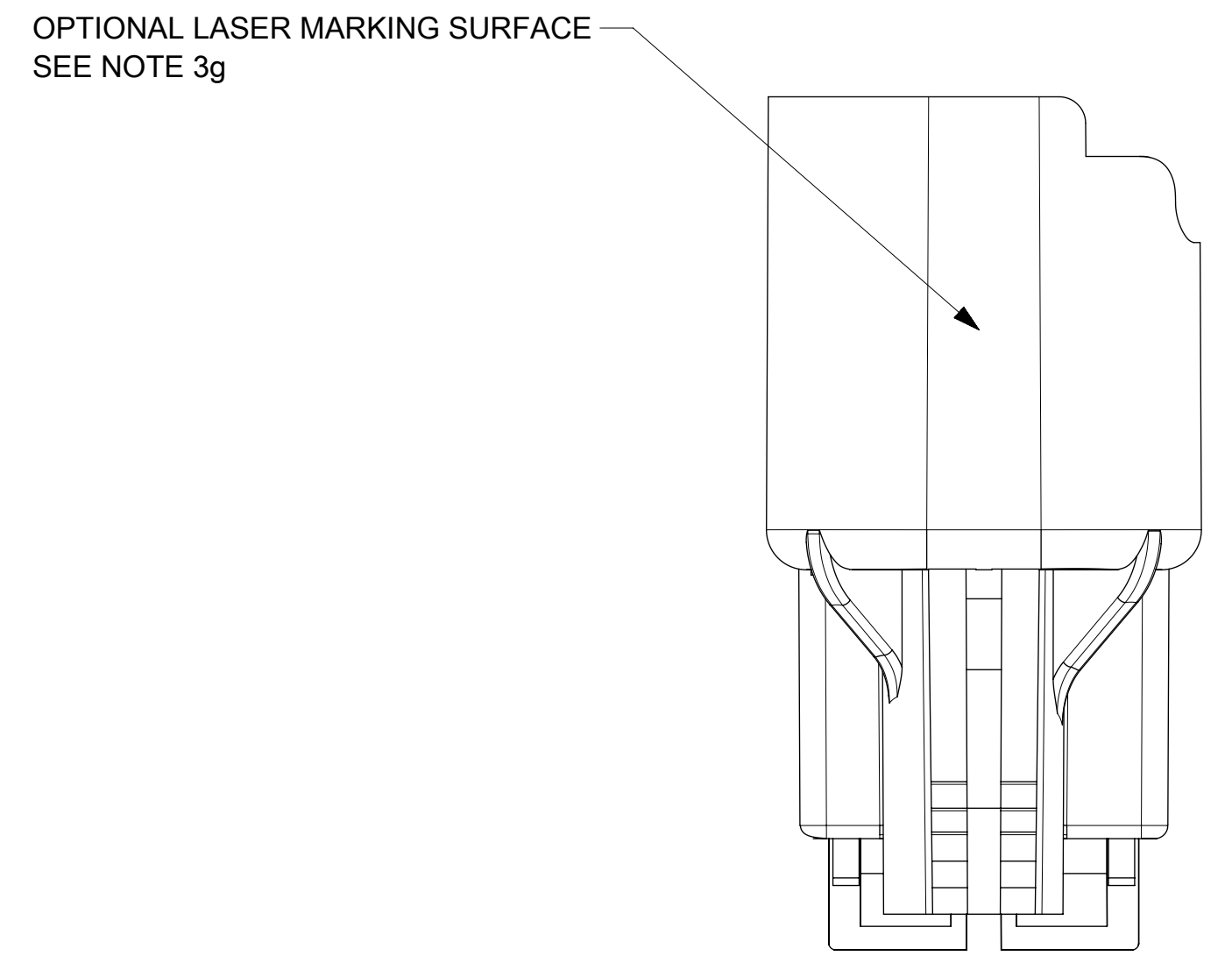
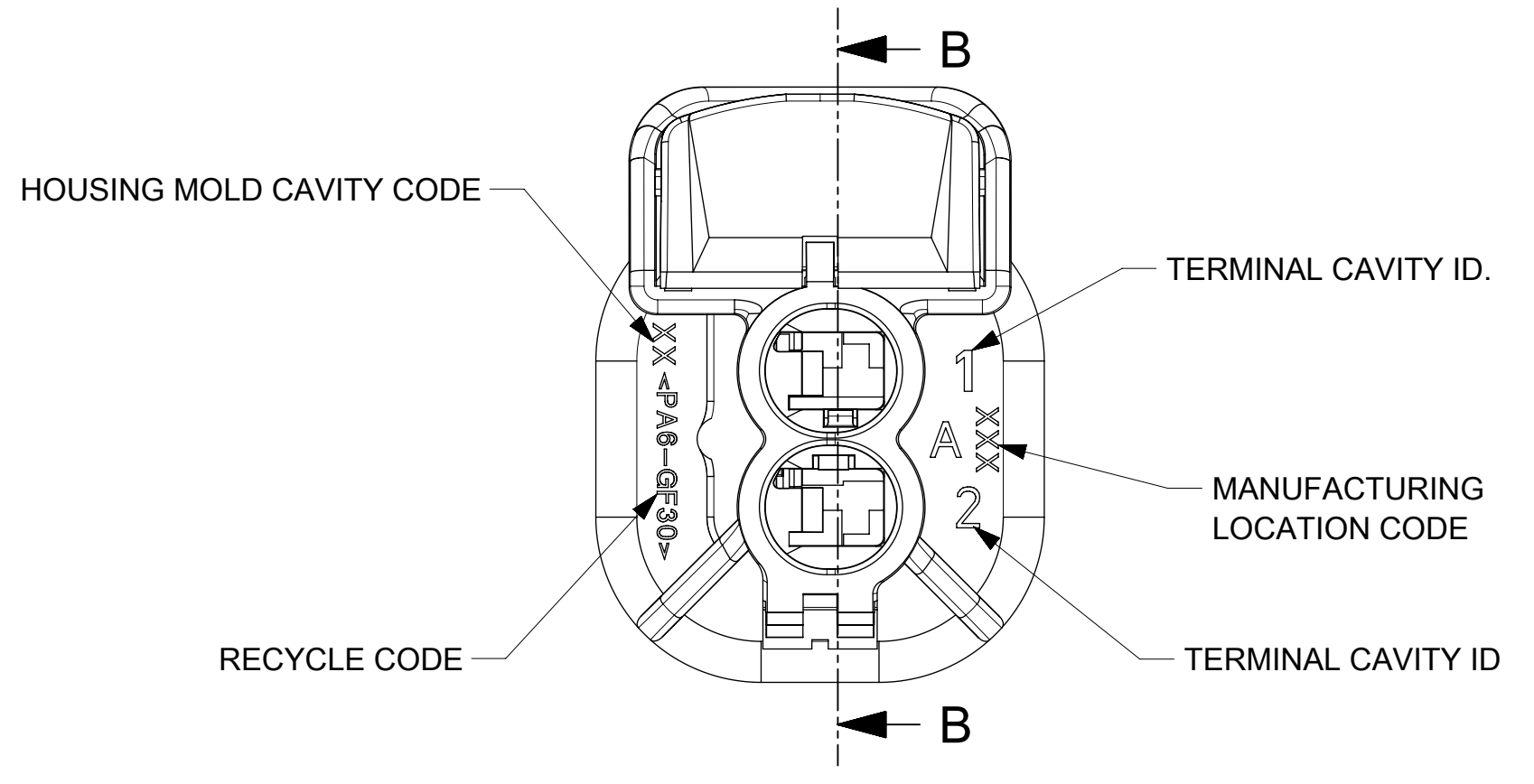
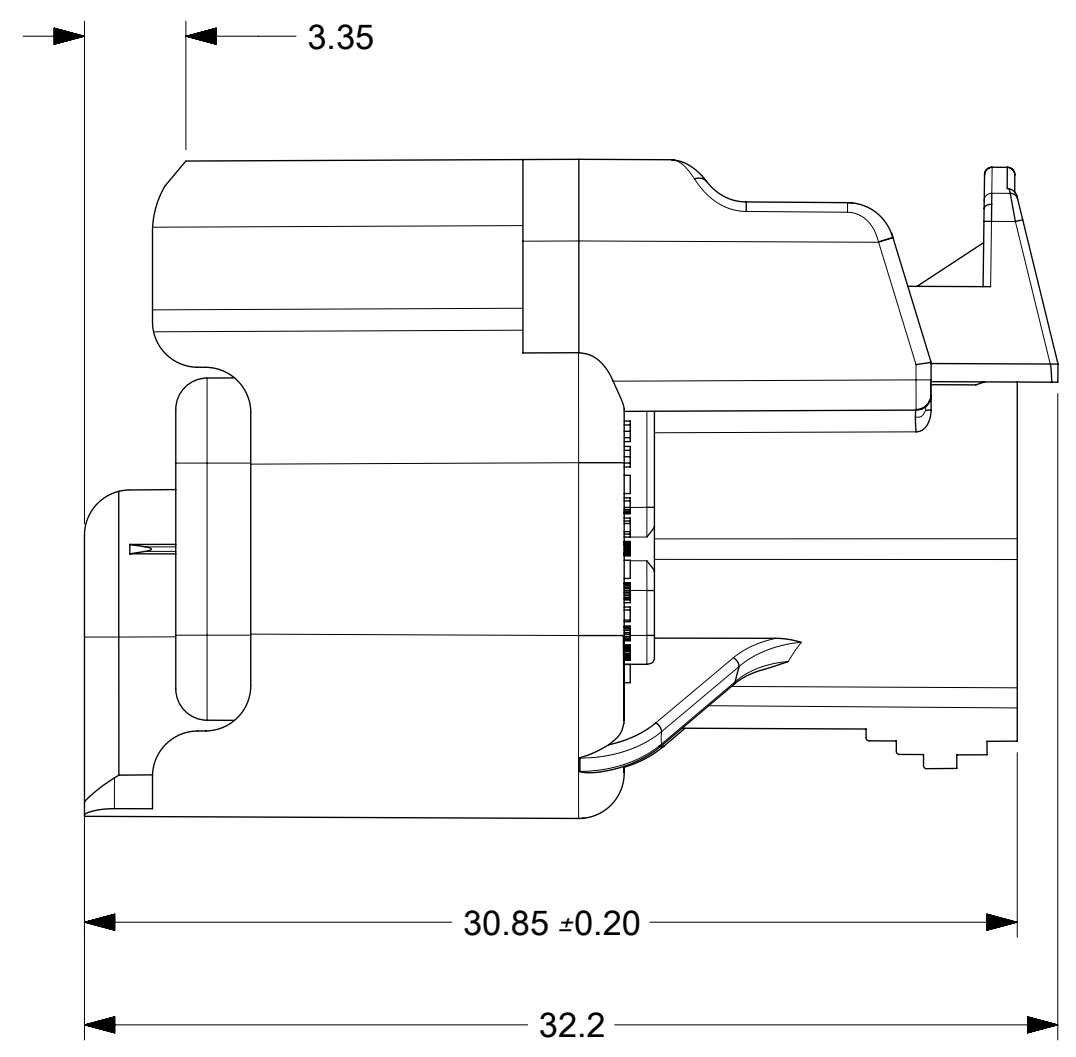
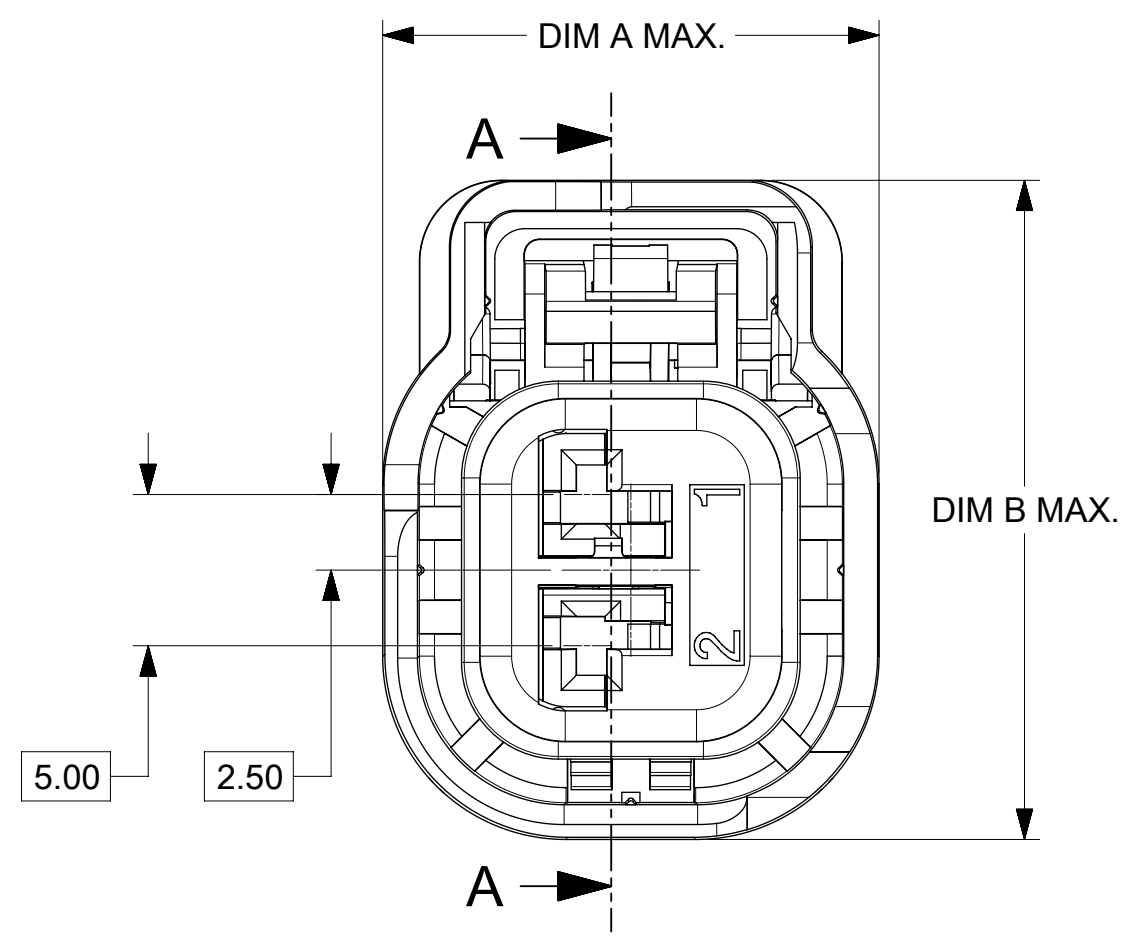
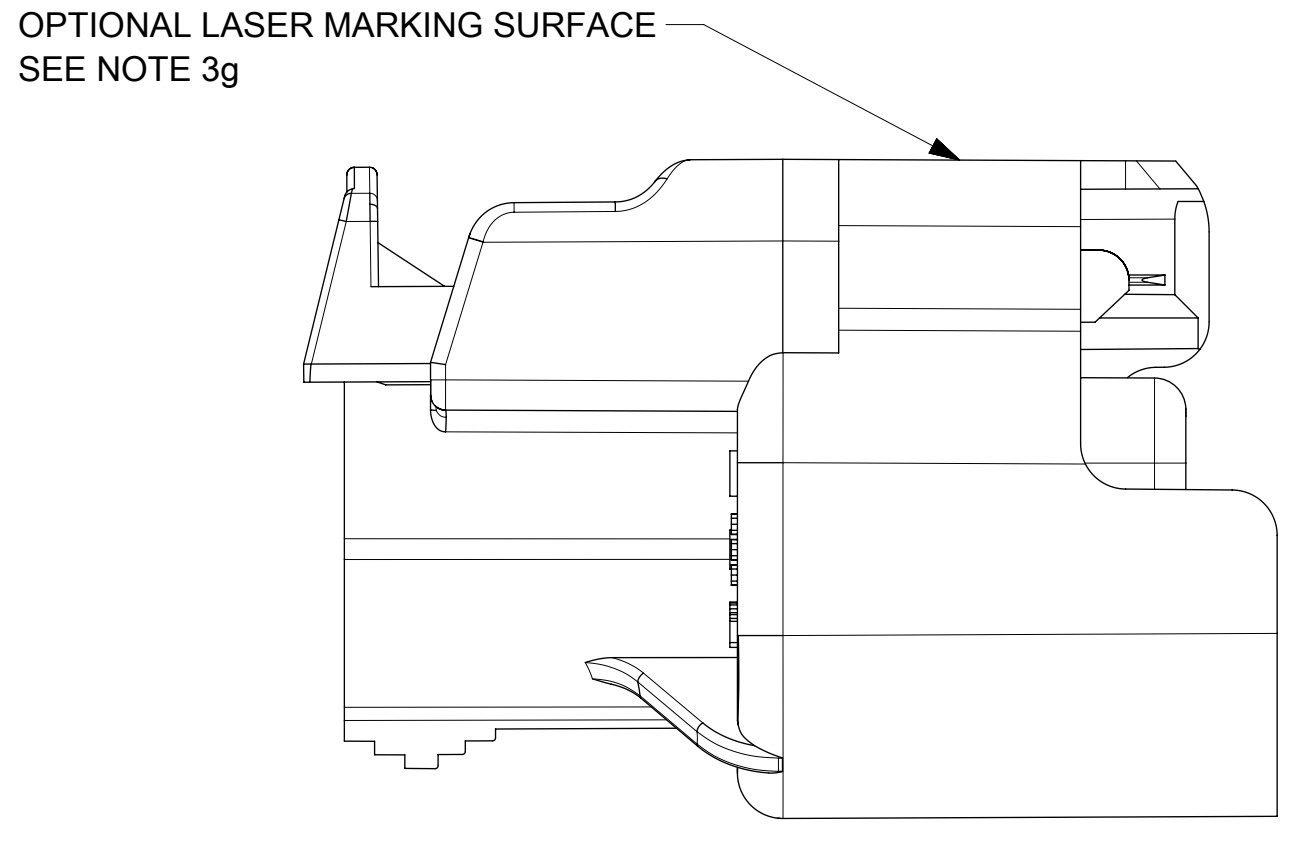


* WITH CLIP-SLOT CONFIGURATIONS
DO NOT MEET USCAR PACKAGING FRAME REQUIREMENTS

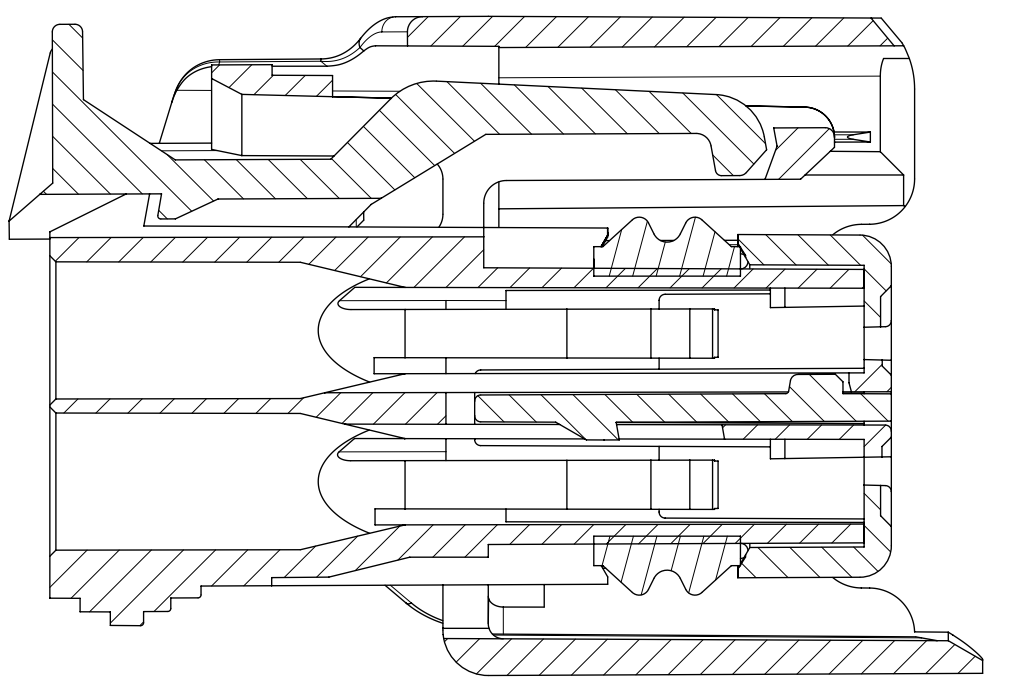
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	EC NO: 117955	DRWN: PKABBUR	CHKD: KDEKOSKI	REV: APPR: KDEKOSKI	2017/05/15	2017/06/14	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE		
	ANGULAR TOL ± 3.0 °						MM	2:1			
	4 PLACES ±						DRWN BY	DATE	MX150 2 WAY CABLE SEAL RECEPTACLE CONN. SYSTEM (5.0MM PITCH)		
	3 PLACES ±						KCUNNINGHAM	2011/11/08			
	2 PLACES ± 0.1						CHKD BY	DATE	PRODUCT CUSTOMER DRAWING		
	1 PLACE ± 0.3						MVANSLAMBROU	1/26/2012			
	0 PLACES ±						APPR BY	DATE	SERIES: 34062 MATERIAL NUMBER: SEE NOTE 2a CUSTOMER: GENERAL MARKET		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						KDEKOSKI	2017/06/14			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER: SD-34062-002 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 3 OF 5		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						D					

SHEET DESCRIPTION	
RECEPTACLE CONNECTOR ASSEMBLY	

CHARTED DIMENSIONS		
CONFIGURATIONS	DIMENSIONS	
	A	B
OPTIONS A, C, D	16.6	22.0
OPTION B	16.6	23.9
OPTION E	20.2	23.9
OPTION F	16.6	23.9
OPTION G	18.4	22.0
OPTIONS A, C, D W/CLIP-SLOT	19.2	22.0
OPTION B W/CLIP-SLOT	19.2	23.9



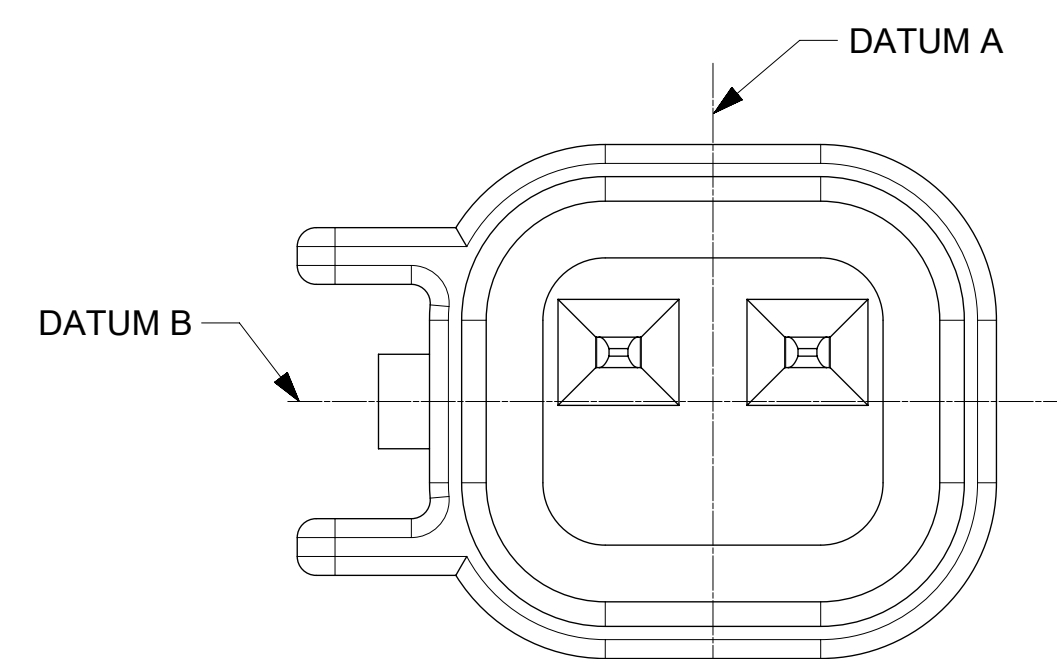
SECTION A-A
TPA SHOWN IN THE
PRE-STAGED POSITION



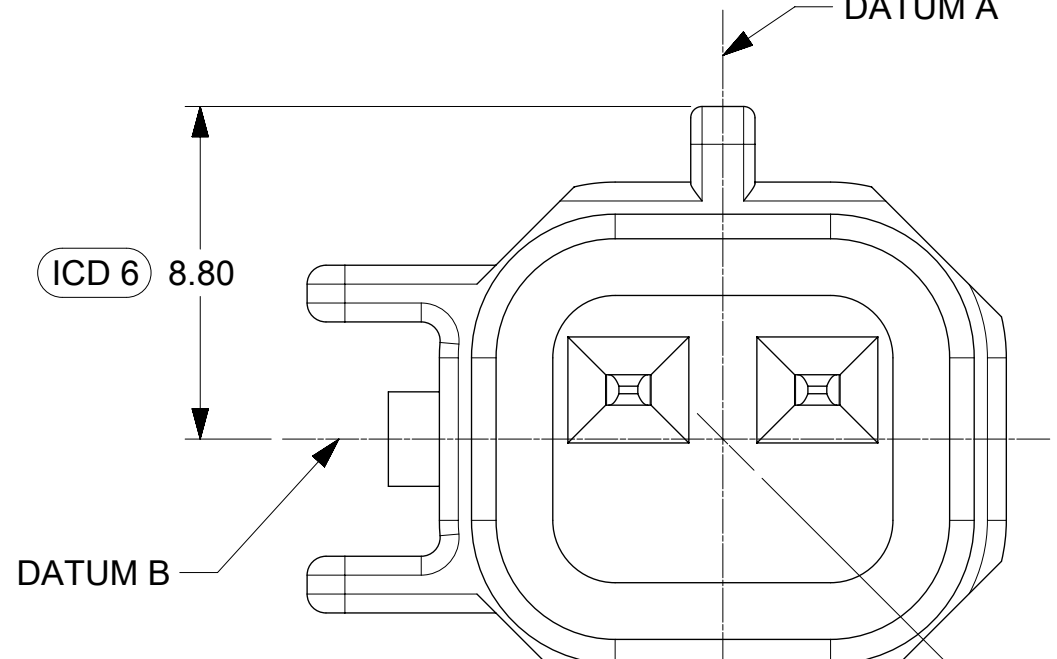
SECTION B-B
TPA SHOWN IN
FINAL-LOCK POSITION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
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▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	ANGULAR TOL ± 3.0 °	DRWN BY	DATE	MX150 2 WAY CABLE SEAL RECEPTACLE CONN. SYSTEM (5.0MM PITCH)
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▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	2 PLACES ± 0.1	MVANSLAMBROU	1/26/2012	
▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	1 PLACE ± 0.3	APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER
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▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0				SD-34062-002 PSD 000 4 OF 5

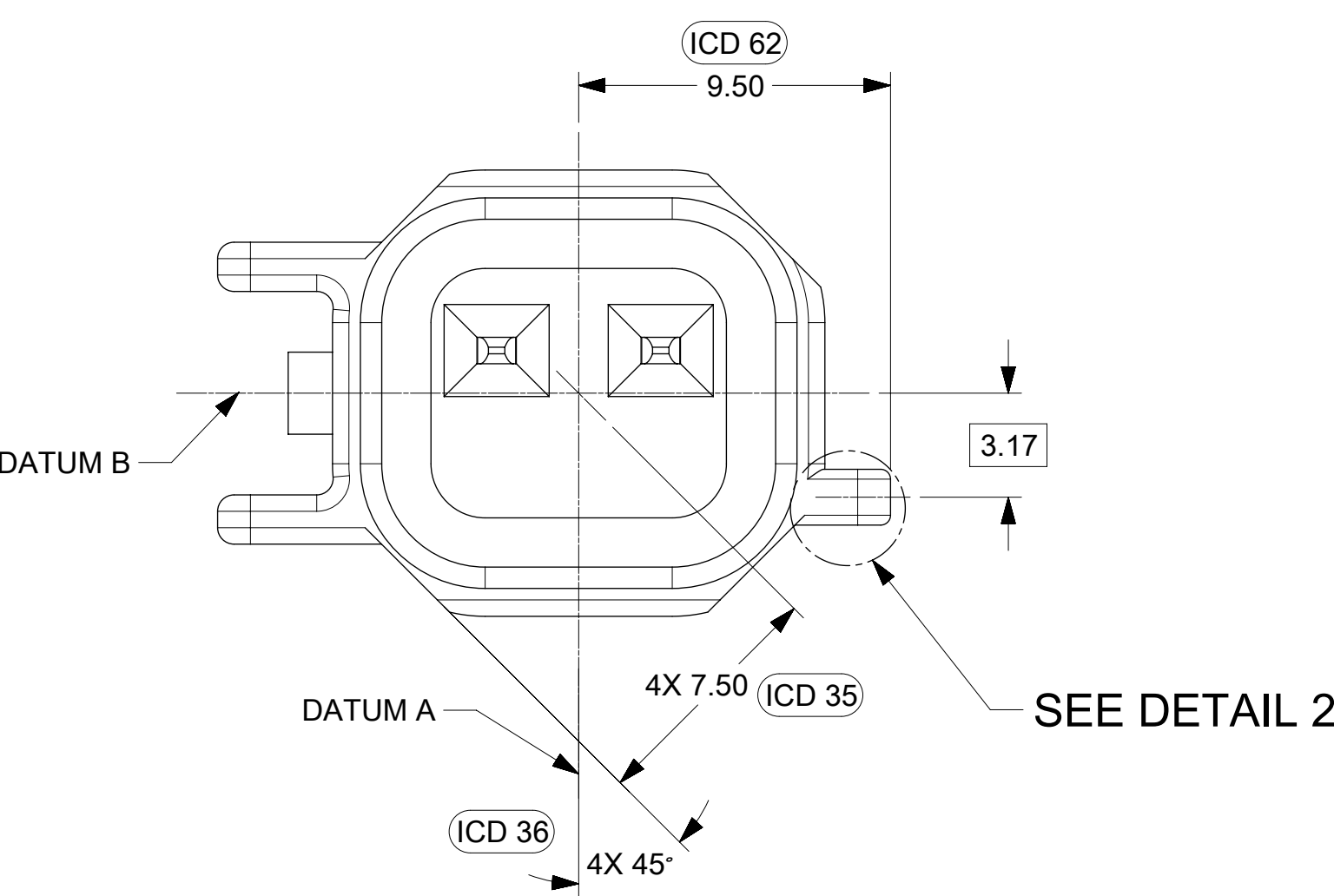
RELEASE STATUS	RELEASE DATE



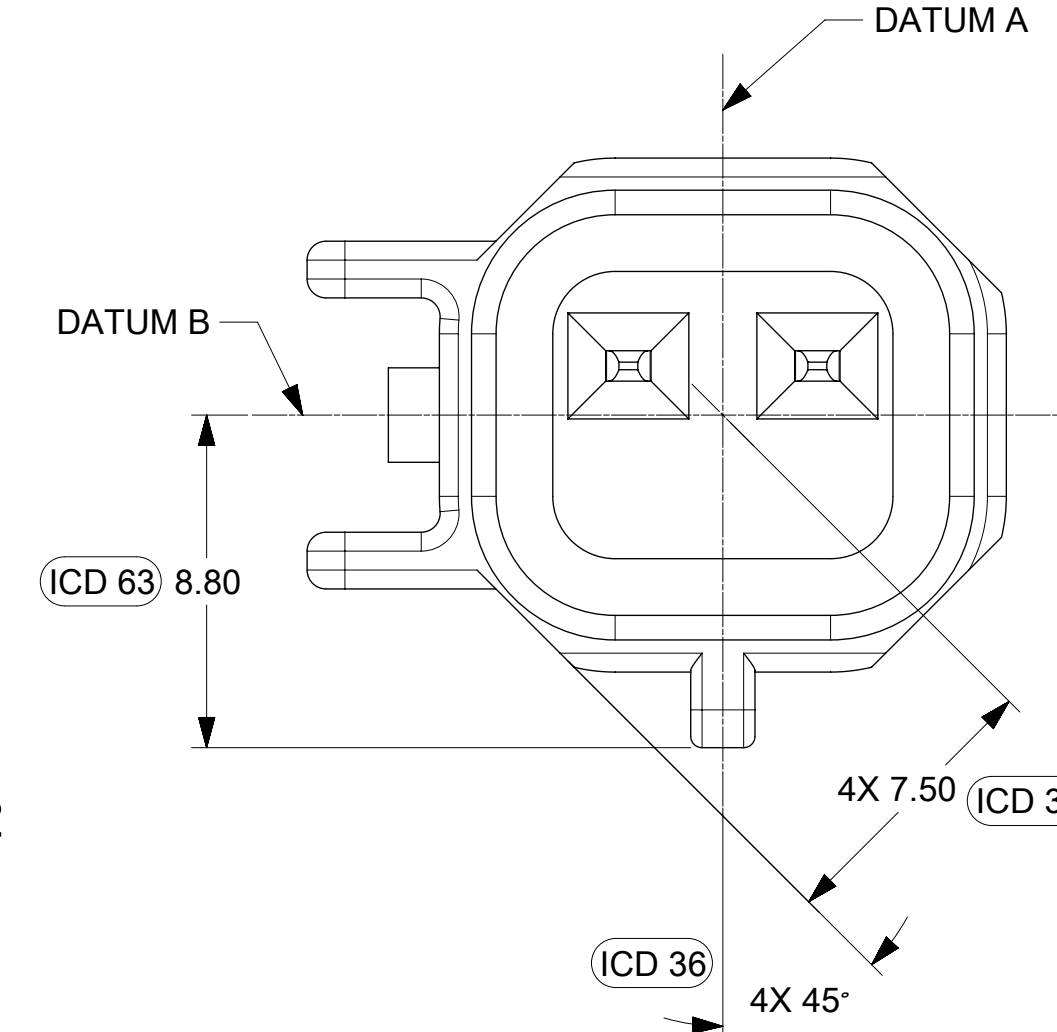
OPTIONS A, C, D
(SAME INTERFACE)



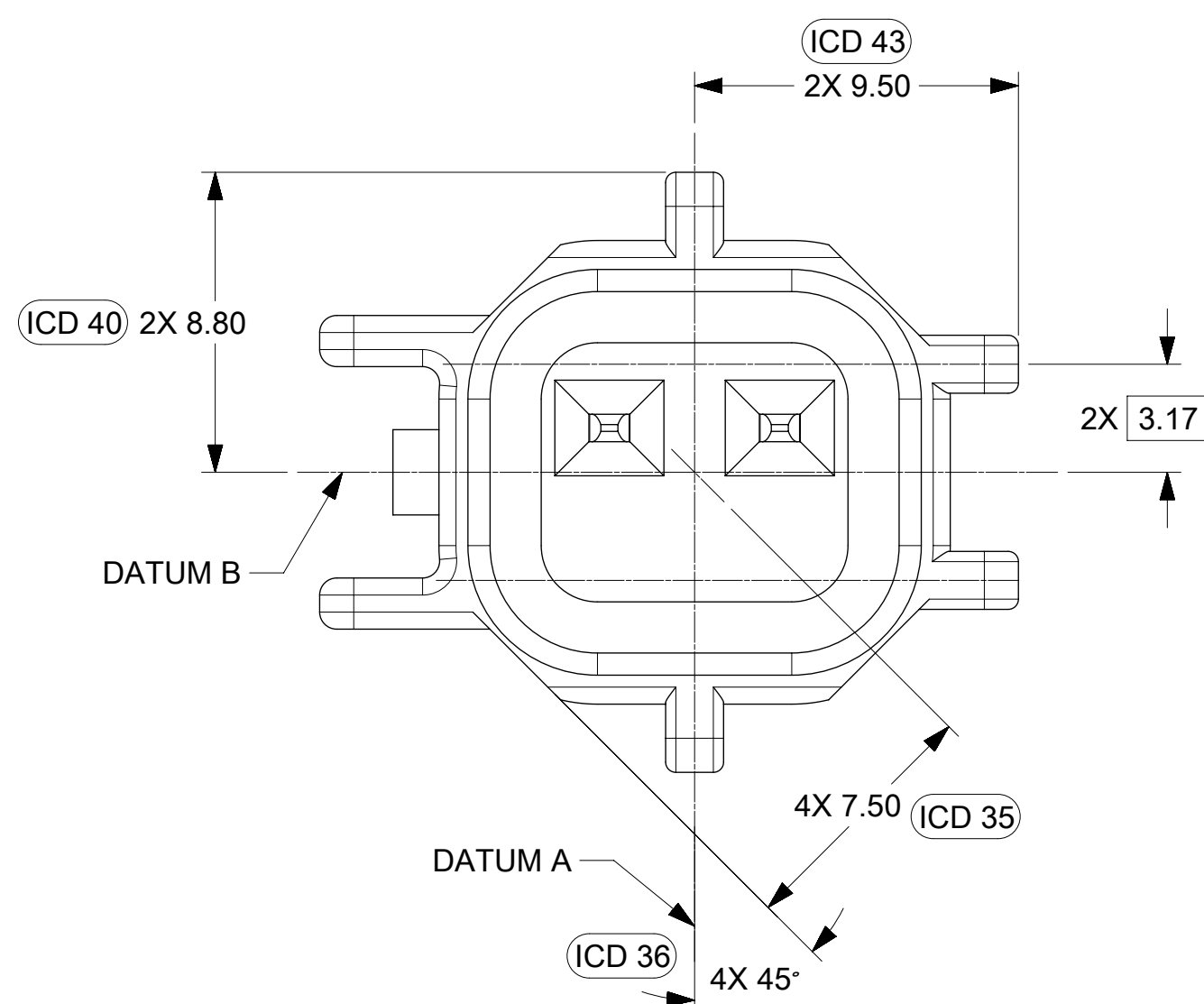
OPTION G



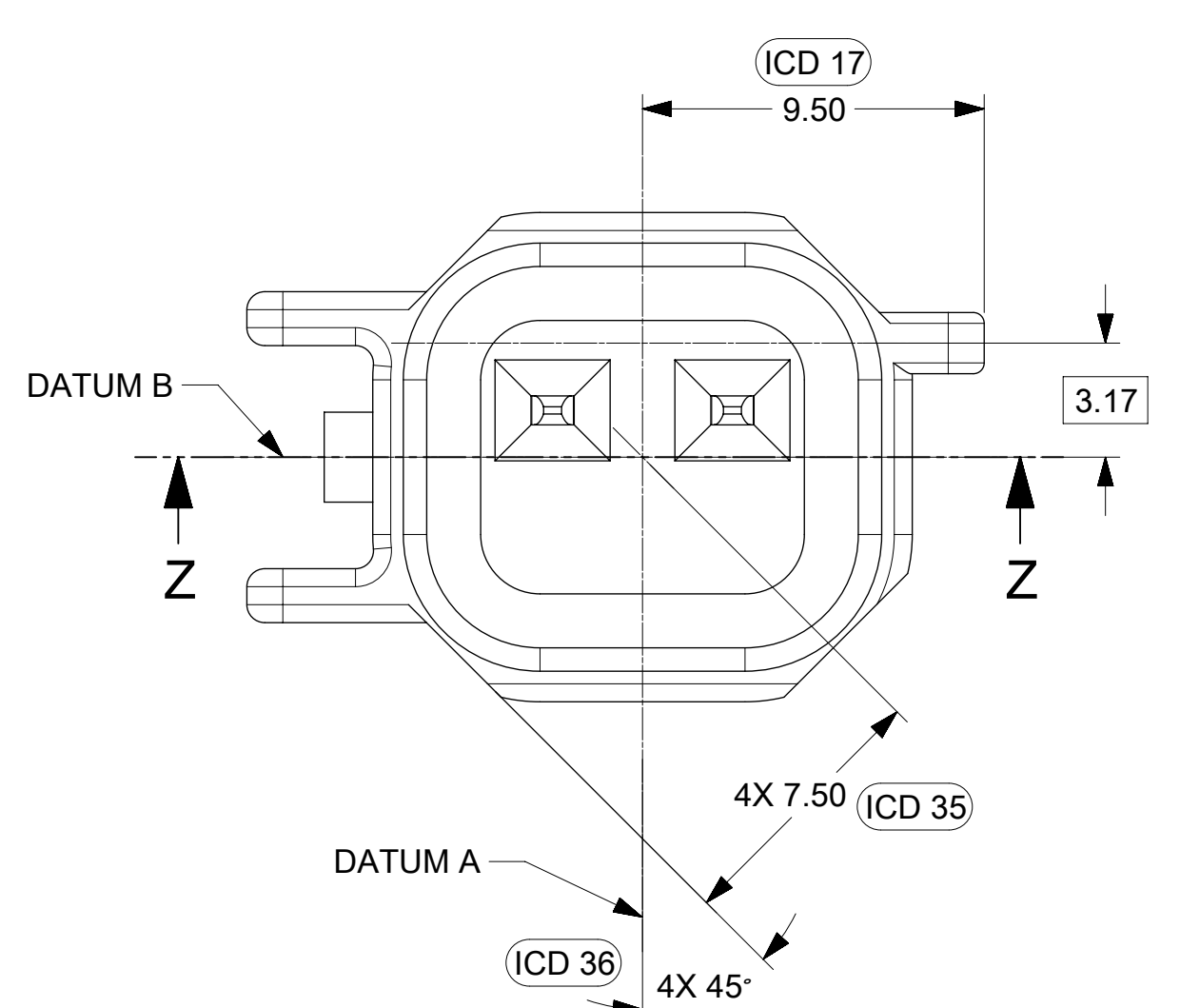
OPTION B



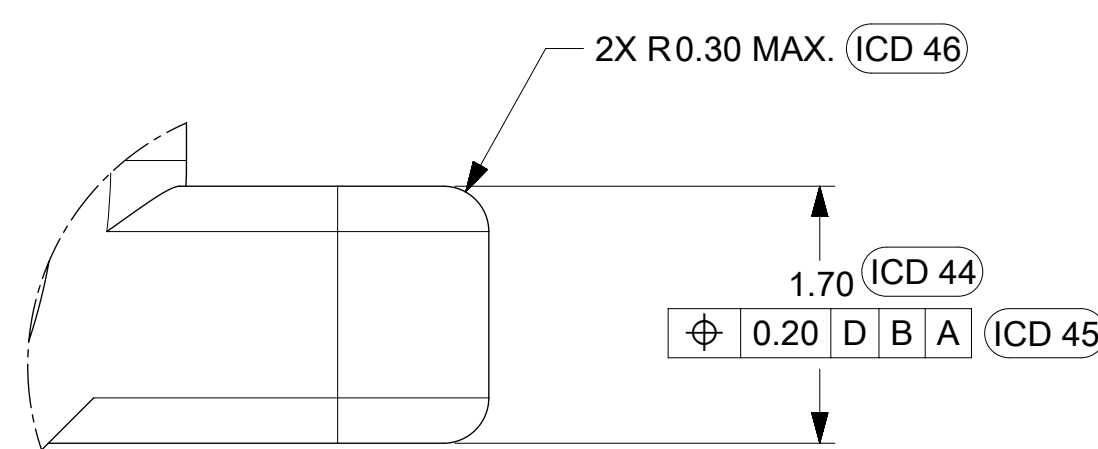
OPTION H



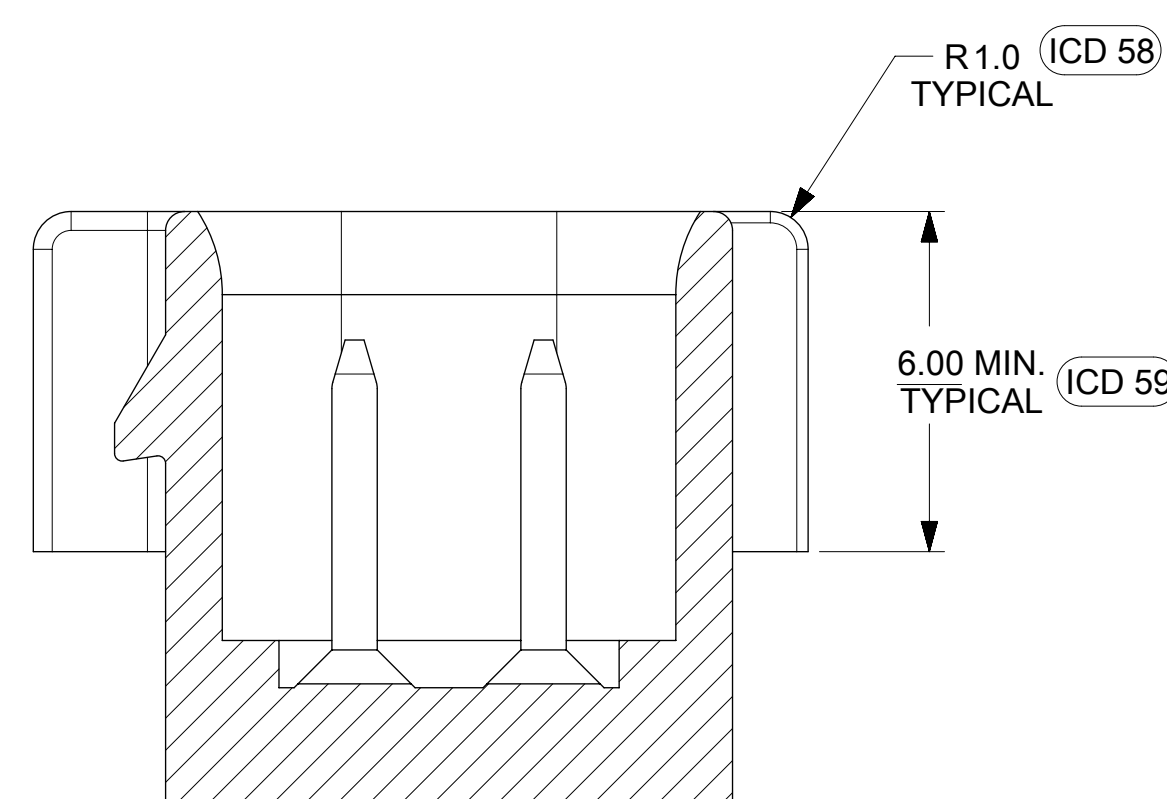
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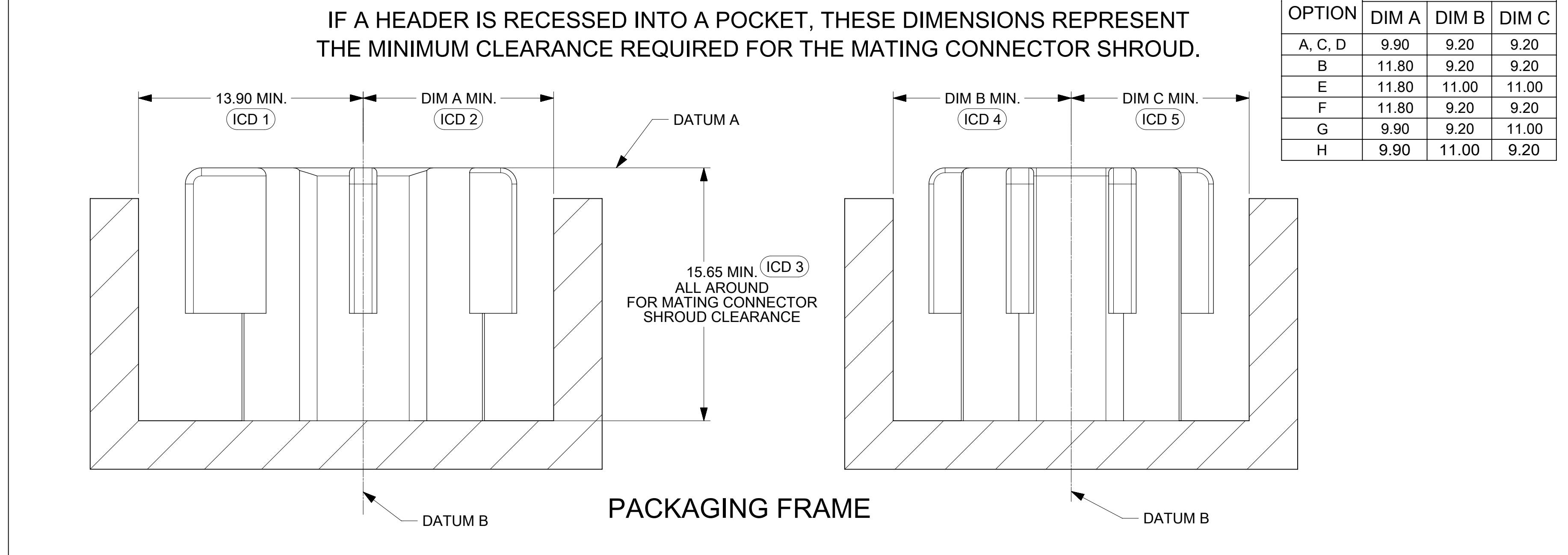
OPTION F



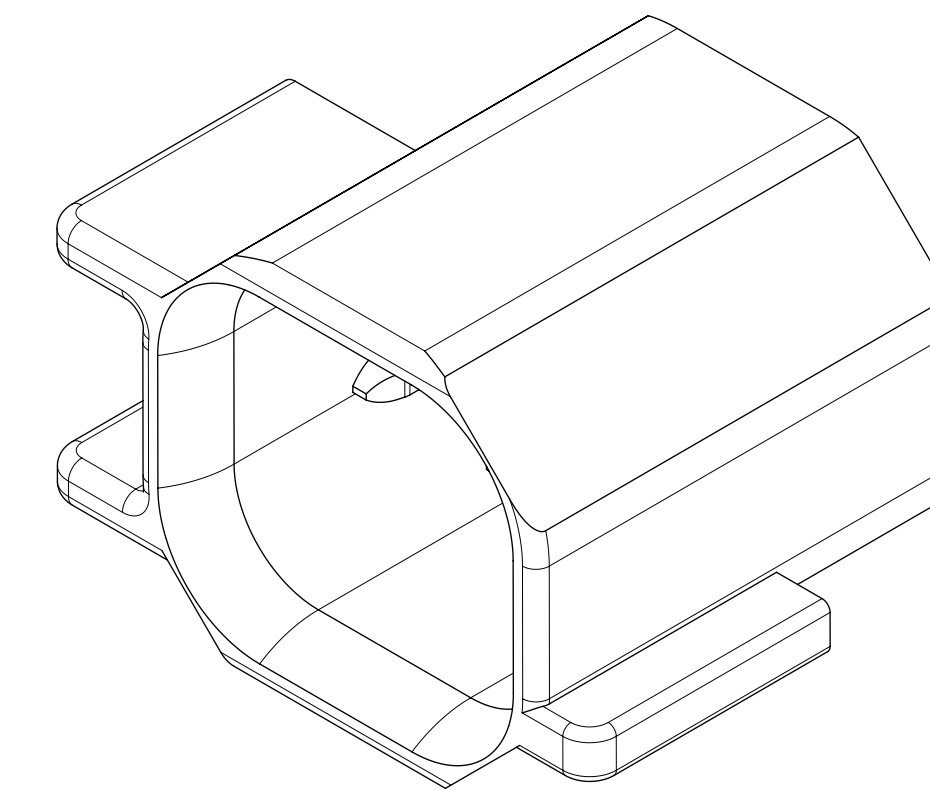
DETAIL 2
SCALE 20:1
TYPICAL
SEE KEYING OPTIONS VIEWS FOR POSITIONS



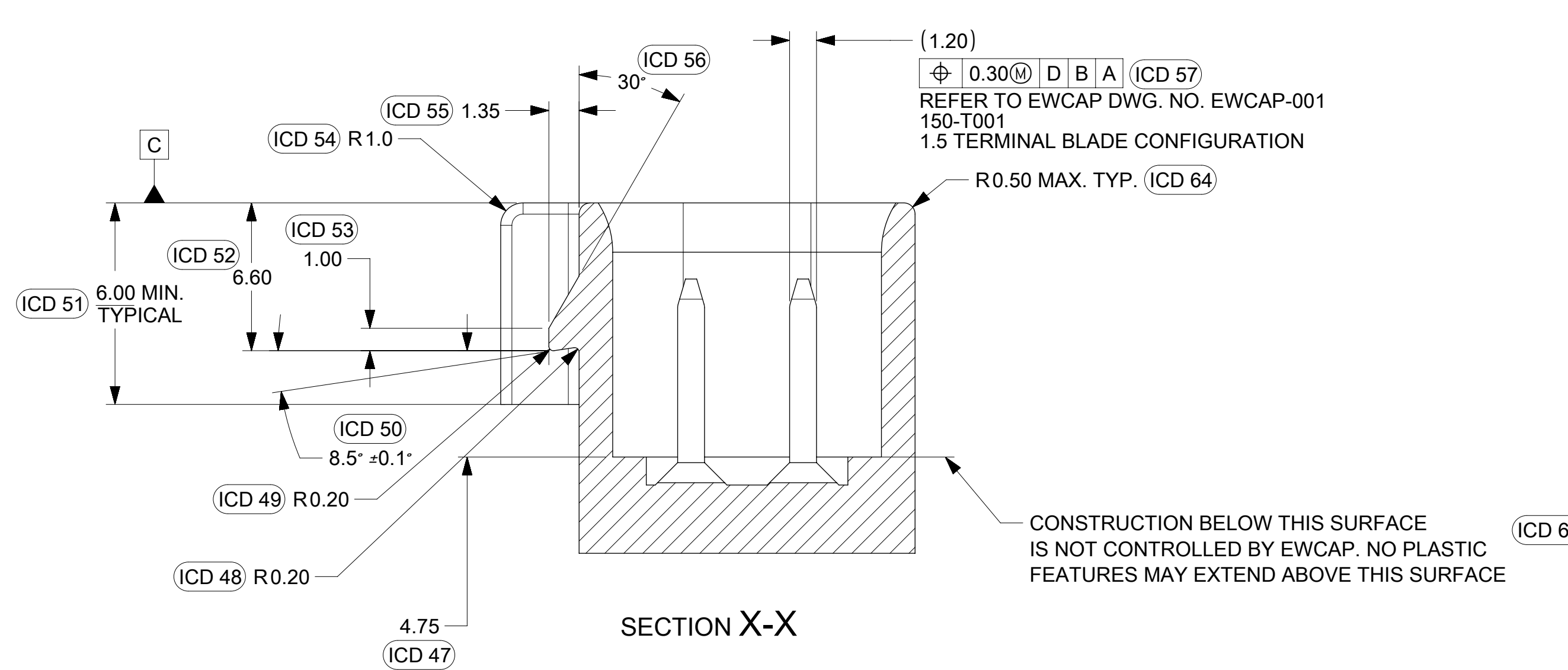
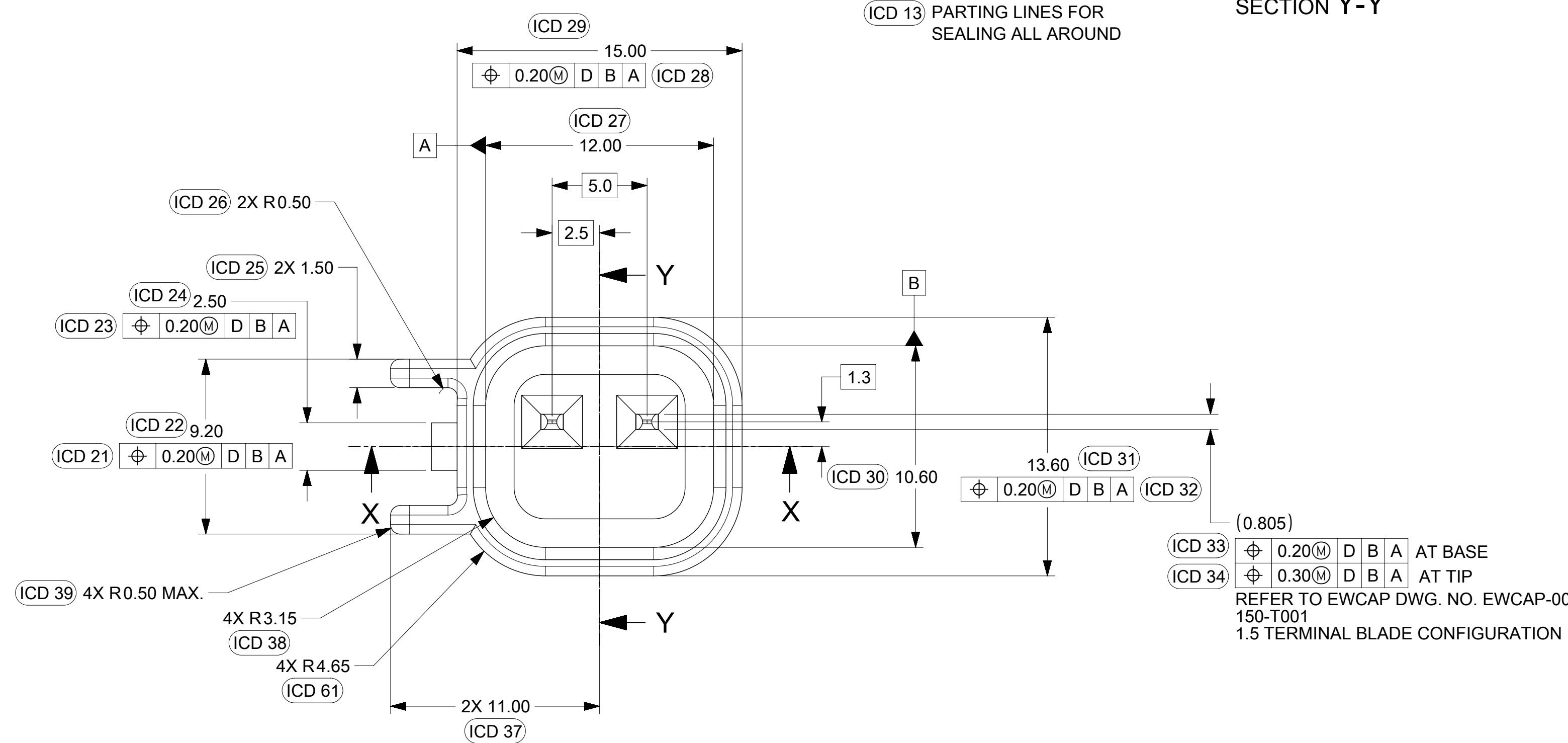
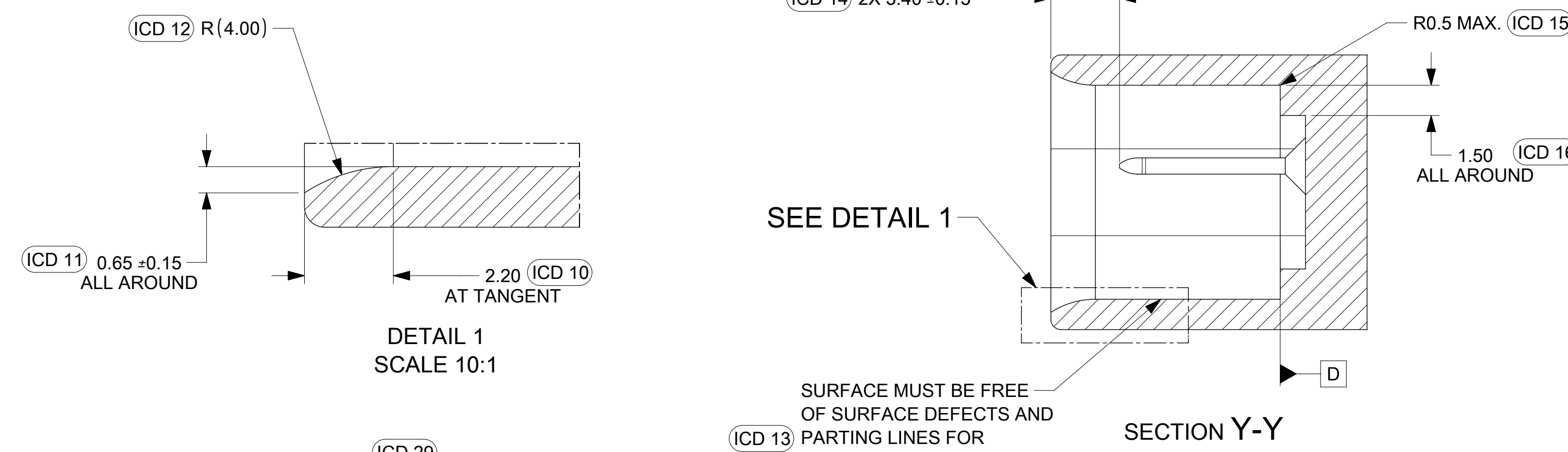
SECTION Z-Z
SEE KEYING OPTION VIEWS FOR POSITIONS



KEY OPTION	DIMENSIONS		
	DIM A	DIM B	DIM C
A, C, D	9.90	9.20	9.20
B	11.80	9.20	9.20
E	11.80	11.00	11.00
F	11.80	9.20	9.20
G	9.90	9.20	11.00
H	9.90	11.00	9.20



OPTION B



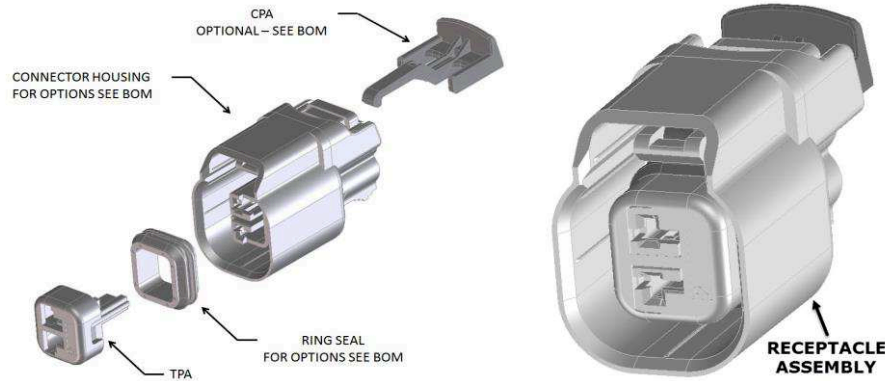
NOTES: UNLESS OTHERWISE SPECIFIED

- ALL DIMENSIONS SHOWN IN MILLIMETERS.
- DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
- 0.25 RADII ON ALL CORNERS SHOWN SHARP.
- UNSPECIFIED RADII: 0.25 EXCEPT AS NOTED.
- STANDARD COLORS FOR POLARIZATION (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
- REFER TO SAE/USCAR 12 CONNECTOR GUIDELINES FOR ADDITIONAL REQUIREMENTS.
- EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE WITHIN TOLERANCE.
- SYMBOL INDICATES DRAFT DIRECTION.
- FOR TERMINAL MATERIAL, DIMENSIONAL, AND COATING REQUIREMENTS AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON THIS DRAWING SEE EWCAP DWG. NO. EWCAP-001
- A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO ENSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THRU H) 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.
- REFER TO USCAR/EWCAP PART LIST AS FOUND ON WEBSITE <http://www.uscarteams.org>
- 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.

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIMENSION UNITS		SCALE	
∇ = 0	2017/05/15	2017/06/14	MM		5:1	
∇ = 0	EC NO: 117955 DRWN: PKABBUR CHKD: KDEKOSKI REV APPR: KDEKOSKI	J19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DATE	
∇ = 0			ANGULAR TOL \pm 3.0 °			
∇ = 0			4 PLACES \pm			
∇ = 0			3 PLACES \pm			
∇ = 0			2 PLACES \pm 0.1			
∇ = 0			1 PLACE \pm 0.3			
∇ = 0	0 PLACES \pm		DRAWING SIZE		THIRD ANGLE PROJECTION	
∇ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		E		$\oplus \ominus$	
			MOLEX®		MX150 2 WAY CABLE SEAL RECEPTACLE CONN. SYSTEM (5.0MM PITCH)	
			KUNNINGHAM		2011/11/08	
			MVANSLAMBROU		1/26/2012	
			KDEKOSKI		2017/06/14	
			SERIES		MATERIAL NUMBER	
			34062		N/A	
			CUSTOMER		GENERAL MARKET	
			DOCUMENT NUMBER		DOC TYPE	
			SD-34062-002		PSD	
			DOC PART		SHEET NUMBER	
			000		5 OF 5	

OPTION	COLOR	SIMILAR TO AFL DRAWING R63461 (OPTION GEOMETRY IDENTICAL)	COMMENTS
A, C, D	BLACK	A	
B	LIGHT GRAY	B	
E	BLACK	E	NOT RECOMMENDED MATING CONNECTOR IS UNIVERSAL
F	LIGHT GRAY	D	
G	BLACK	C	
H	LIGHT GRAY	F	
RELEASE STATUS	RELEASE DATE		

MX150 2 WAY CABLE SEAL RECEPTACLE CONNECTION SYSTEM (5.0mm PITCH)
BOM AND PIN OUT SHEET



RECOMMENDED MATING DEVICE TABLE			
ABBREVIATION	DESCRIPTION	DRAWING INFORMATION	ADDITIONAL INFORMATION
1	USCAR INTERFACE	150-S-002-1-Z01	http://ewcap.uscar1.com.org
2	MOLEX INTERFACE	SD-34062-002 SHEET 5	
3	MOLEX INLINE MALE CONNECTOR	E-34675-001	

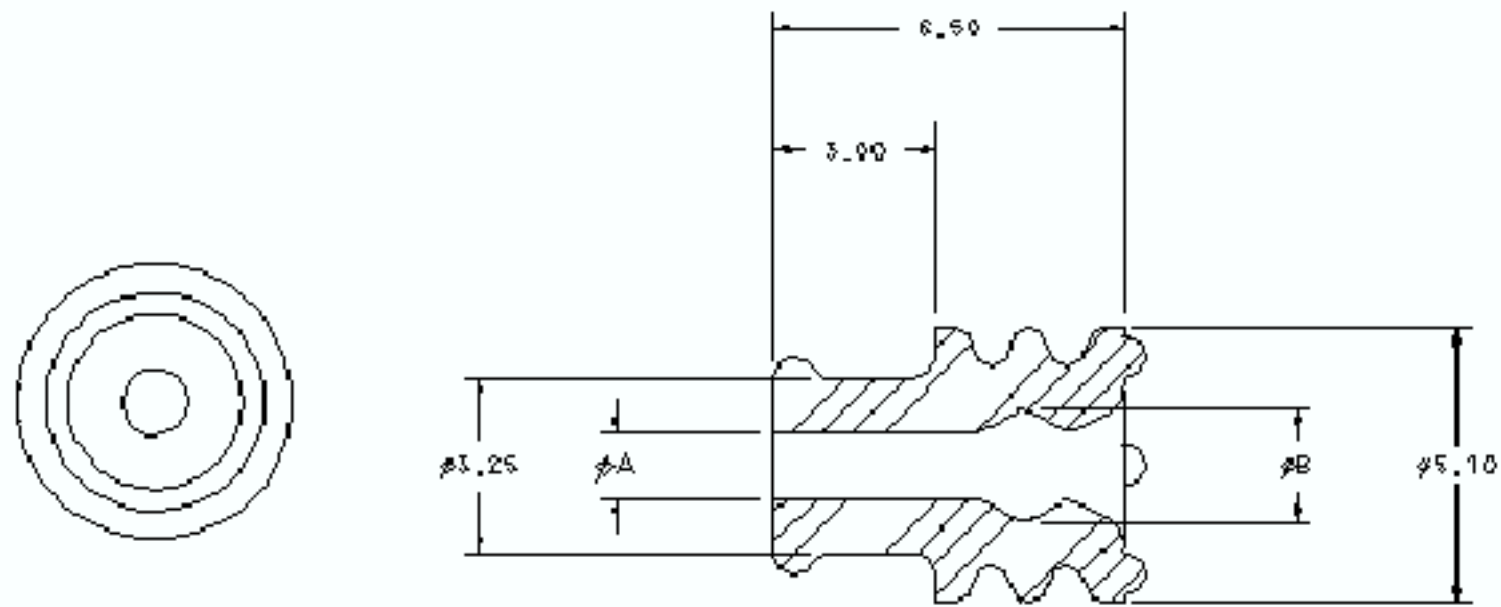
BOM/ APPLICABLE COMPONENTS TABLE				
ABBREVIATION	DESCRIPTION	COLOR	MATERIAL	
A-BLK	HOUSING OPTION A	BLACK	PA6 GF30	
B-LG	HOUSING OPTION B	LIGHT GRAY	PA6 GF30	
B-BLK	HOUSING OPTION B	BLACK	PA6 GF30	
C-BLK	HOUSING OPTION C	BLACK	PA6 GF30	
D-BLK	HOUSING OPTION D	BLACK	PA6 GF30	
D-LG	HOUSING OPTION D	LIGHT GRAY	PA6 GF30	
E-BLK	HOUSING OPTION E	BLACK	PA6 GF30	
F-LG	HOUSING OPTION F	LIGHT GRAY	PA6 GF30	
G-BLK	HOUSING OPTION G	BLACK	PA6 GF30	
A-BLK-CLIP	HOUSING OPTION A WITH CLIPSLOT	BLACK	PA6 GF30	
B-LG-CLIP	HOUSING OPTION B WITH CLIPSLOT	LIGHT GRAY	PA6 GF30	
B-BLK-CLIP	HOUSING OPTION B WITH CLIPSLOT	BLACK	PA6 GF30	
C-BLK-CLIP	HOUSING OPTION C WITH CLIPSLOT	BLACK	PA6 GF30	
D-BLK-CLIP	HOUSING OPTION D WITH CLIPSLOT	BLACK	PA6 GF30	
D-LG-CLIP	HOUSING OPTION D WITH CLIPSLOT	LIGHT GRAY	PA6 GF30	
A-BLK-SV	HOUSING OPTION A - SEVERE VIBRATION	BLACK	PA6 GF30	
C-BLK-SV	HOUSING OPTION C - SEVERE VIBRATION	BLACK	PA6 GF30	
D-BLK-SV	HOUSING OPTION D - SEVERE VIBRATION	BLACK	PA6 GF30	
R3	RING SEAL TEMP. CLASS 3	MEDIUM BLUE	INHERENTLY LUBRICATED SILICONE	
R4	RING SEAL TEMP. CLASS 4	GREEN	INHERENTLY LUBRICATED SILICONE	
CPA	CPA	RED	PBT GF30	
TPA	INSERT, TPA	NATURAL	PBT GF30	

FOR ADDITIONAL INFORMATION SEE SD-34062-002

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT				ASSEMBLY OPERATING TEMPERATURE	RECOMMENDED MATING DEVICE			PRODUCTION TOOL STATUS	COMMENTS
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.					1	2	3		
		HOUSING OPTION/COLOR	TPA	CPA	RING SEAL						
OPTION A, BLACK, W/O CPA	34062-0021	A-BLK	TPA		R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION B, LIGHT GRAY, W/O CPA	34062-0022	B-LG	TPA		R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, W/O CPA	34062-0023	C-BLK	TPA		R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, W/O CPA	34062-0024	D-BLK	TPA		R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION D, LIGHT GRAY, W/O CPA	34062-0029	D-LG	TPA		R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION A, BLACK, W/ CPA	34062-0025	A-BLK	TPA	CPA	R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION B, LIGHT GRAY, W/ CPA	34062-0026	B-LG	TPA	CPA	R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, W/ CPA	34062-0027	C-BLK	TPA	CPA	R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, W/ CPA	34062-0028	D-BLK	TPA	CPA	R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION D, LIGHT GRAY, W/ CPA	34062-0030	D-LG	TPA	CPA	R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION A, BLACK, WITH CLIPSLOT, W/O CPA	34062-0031	A-BLK-CLIP	TPA		R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION B, LIGHT GRAY, WITH CLIPSLOT, W/O CPA	34062-0032	B-LG-CLIP	TPA		R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, WITH CLIPSLOT, W/O CPA	34062-0033	C-BLK-CLIP	TPA		R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, WITH CLIPSLOT, W/O CPA	34062-0034	D-BLK-CLIP	TPA		R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION D, LIGHT GRAY, WITH CLIPSLOT, W/O CPA	34062-0035	D-LG-CLIP	TPA		R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION A, BLACK, WITH CLIPSLOT, W/ CPA	34062-0036	A-BLK-CLIP	TPA	CPA	R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION B, LIGHT GRAY, WITH CLIPSLOT, W/ CPA	34062-0037	B-LG-CLIP	TPA	CPA	R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, WITH CLIPSLOT, W/ CPA	34062-0038	C-BLK-CLIP	TPA	CPA	R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, WITH CLIPSLOT, W/ CPA	34062-0039	D-BLK-CLIP	TPA	CPA	R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION D, LIGHT GRAY, WITH CLIPSLOT, W/ CPA	34062-0040	D-LG-CLIP	TPA	CPA	R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION A, BLACK, SEVERE VIBRATION, W/ CPA	34062-4006	A-BLK-SV	TPA	CPA	R4	-40° C TO 155° C	1	2		SALEABLE	
OPTION C, BLACK, SEVERE VIBRATION, W/ CPA	34062-4008	C-BLK-SV	TPA	CPA	R4	-40° C TO 155° C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, SEVERE VIBRATION, W/ CPA	34062-4009	D-BLK-SV	TPA	CPA	R4	-40° C TO 155° C	1	2		SALEABLE	
OPTION E, BLACK, W/O CPA	34062-0041	E-BLK	TPA		R4	-40° C TO 155° C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION F, LIGHT GRAY, W/O CPA	34062-0042	F-LG	TPA		R4	-40° C TO 155° C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION G, BLACK, W/O CPA	34062-0043	G-BLK	TPA		R4	-40° C TO 155° C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION E, BLACK, W/ CPA	34062-0044	E-BLK	TPA	CPA	R4	-40° C TO 155° C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION F, LIGHT GRAY, W/ CPA	34062-0045	F-LG	TPA	CPA	R4	-40° C TO 155° C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION G, BLACK, W/ CPA	34062-0046	G-BLK	TPA	CPA	R4	-40° C TO 155° C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION A, BLACK, W/ CPA	34062-0047	A-BLK	TPA	CPA	R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION B, LIGHT GRAY, W/O CPA	34062-0048	B-LG	TPA		R4	-40° C TO 155° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, W/O CPA	34062-0049	C-BLK	TPA		R4	-40° C TO 155° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, LIGHT GRAY, W/ CPA	34062-0050	B-LG	TPA	CPA	R4	-40° C TO 155° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, W/ CPA	34062-0051	C-BLK	TPA	CPA	R4	-40° C TO 155° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, LIGHT GRAY, WITH CLIPSLOT, W/O CPA	34062-0052	B-LG-CLIP	TPA		R4	-40° C TO 155° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, WITH CLIPSLOT, W/O CPA	34062-0053	C-BLK-CLIP	TPA		R4	-40° C TO 155° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, LIGHT GRAY, WITH CLIPSLOT, W/ CPA	34062-0054	B-LG-CLIP	TPA	CPA	R4	-40° C TO 155° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, WITH CLIPSLOT, W/ CPA	34062-0055	C-BLK-CLIP	TPA	CPA	R4	-40° C TO 155° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, SEVERE VIBRATION, W/O CPA	34062-4003	C-BLK-SV	TPA		R4	-40° C TO 155° C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, SEVERE VIBRATION, W/O CPA	34062-4004	D-BLK-SV	TPA		R4	-40° C TO 155° C	1	2		SALEABLE	
OPTION D, BLACK, WITH CLIPSLOT, W/ CPA	34062-0056	D-BLK-CLIP	TPA	CPA	R4	-40° C TO 155° C	1	2		SALEABLE	
OPTION A, BLACK, WITH CLIPSLOT, W/ CPA	34062-0057	A-BLK-CLIP	TPA	CPA	R3	-40° C TO 125° C	1	2		SALEABLE	
OPTION B, BLACK, W/O CPA	34062-0058	B-BLK	TPA		R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, BLACK, W/ CPA	34062-0059	B-BLK	TPA	CPA	R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, BLACK, WITH CLIPSLOT, W/O CPA	34062-0060	B-BLK-CLIP	TPA		R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, BLACK, WITH CLIPSLOT, W/ CPA	34062-0061	B-BLK-CLIP	TPA	CPA	R3	-40° C TO 125° C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED



SCALE 3:1



SECTION A--A

- 1) CRITICAL DIMENSION
 - 2) UNLESS OTHERWISE NOTED, TOLERANCE, FINISH AND FLASH TO CONFORM TO FIG. 42-F2-T 0.4.
 - 3) SPECIFICATION: ASTM D2000 MICROMETER TEST METHOD D11 Z1 - Z5
 - Z1- HARDSNESS, SHORE-J, 125°C
 - Z2- MODULUS AT 100% ELONGATION, DIE-C, 25 TO 100 PSI
 - Z3- HEAT RESISTANCE, ASTM D3715, TO BE PERFORMED FOR 1000H AT 150°C
 - Z4- COMPRESSION SET, ASTM D3715, METHOD-B, 20% AT 180°C, 168 HRS.
 - Z5- FLUID RESISTANCE, ASTM D471, 100% AT 23°C, 100% METHANOL
- HARDSNESS CHANGE : 0 TO -12 POINTS MAX.
 TENSILE STRENGTH CHANGE : -50% MAX.
 ELONGATION CHANGE : -50% MAX.
 VOLUME CHANGE : 0 TO +15% MAX.

DATE	REV	RELEASED	JAS
05/13/02	A	REVISED PROPO	DRAWN
QUALITY SYNTHETIC RUBBER, INC.			
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		ORIGINAL WHEN REQ.	
DECIMALS	ANGLES	APPROVALS	DATE
±0.05	±0.0	J. SALAMON	5/13/02
DO NOT SCALE DRAWING		CHECKED	
COMPOND	A4011+	DRAWN	
DWG FILE	S:\YASAKI\E1644	TOOL TRAY	
PART NO. (FAB.)	DATE PL. (FAB.)	CHECKED BY (FAB.)	
NAME: CABLE SEAL (1.5 TERMINAL SYSTEM)			
PART NUMBER: E-1644-##			
MATERIAL: SILICONE RUBBER - SEE NOTE 3			
MOLD NUMBER: SEE TABLE			
SCALE	SIZE	DRAWING NUMBER	SHEET
10:1	A2	A-0055	1 OF 1

E-1644-02	7157-3337-70	1.65	2.40	YELLOW	2.18 - 2.70	2197
E-1644-01	7157-3379-50	0.90	1.65	PINK	1.19 - 1.70	2071
E-1644-00	7157-3336-60	1.25	2.10	GREEN	1.60 - 2.10	1934, 2612, 2666, 2846
QSR PART #	YASAKI PART #	'A'	'B'	COLOR	FOR CABLE O.D.	QSR MOLD #

THIS DRAWING AND/OR ELECTRONIC FILE, AND THE DESIGN HEREON, CONSTITUTES A PROPRIETARY DESIGN OF QUALITY SYNTHETIC RUBBER, INC. AND IS NOT TO BE DUPLICATED OR REPRODUCED.

34753-0003	E-1644-02
34753-0002	E-1644-01
34753-0001	E-1644-00
MOLEX P/N	QSR P/N

ENTER DESCRIPTION EC NO: DRWN: DGRIFITHS 2008/07/31 CHKD: MVANSLAMBROU APPR:	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		▽=0 ▽=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 3°	MM ONLY	4:1	METRIC	DRAWN BY: DGRIFITHS DATE: 07-31-08 CHECKED BY: MVANSLAMBROU DATE: 07-31-08 APPROVED BY: KOSHY DATE: 07-31-08
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE	TITLE: CABLE SEAL (1.5 TERMINAL SYSTEM) CHARTED MOLEX INCORPORATED DOCUMENT NO. SD-34753-001 SHEET NO. 1 OF 1		
		MATERIAL NO. SEE TABLE SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					