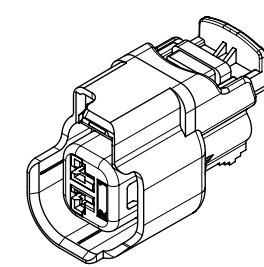
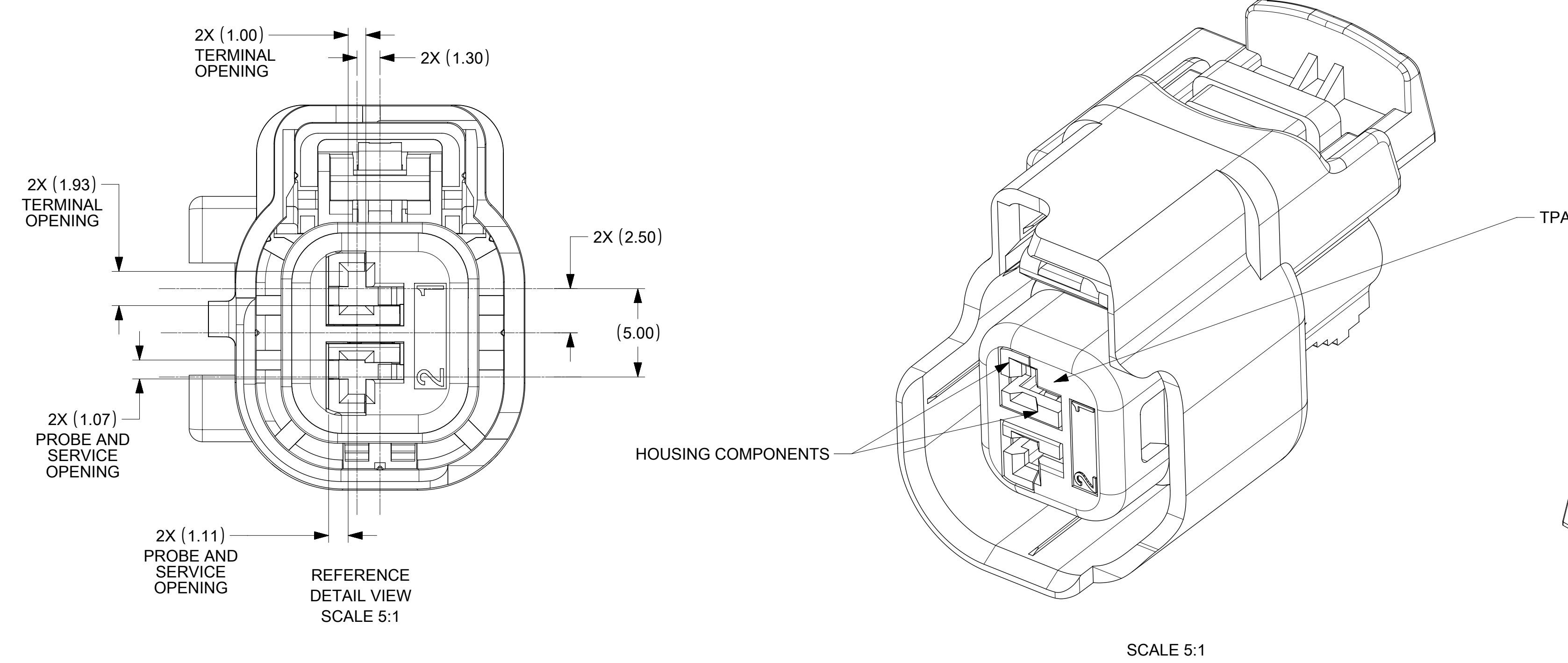
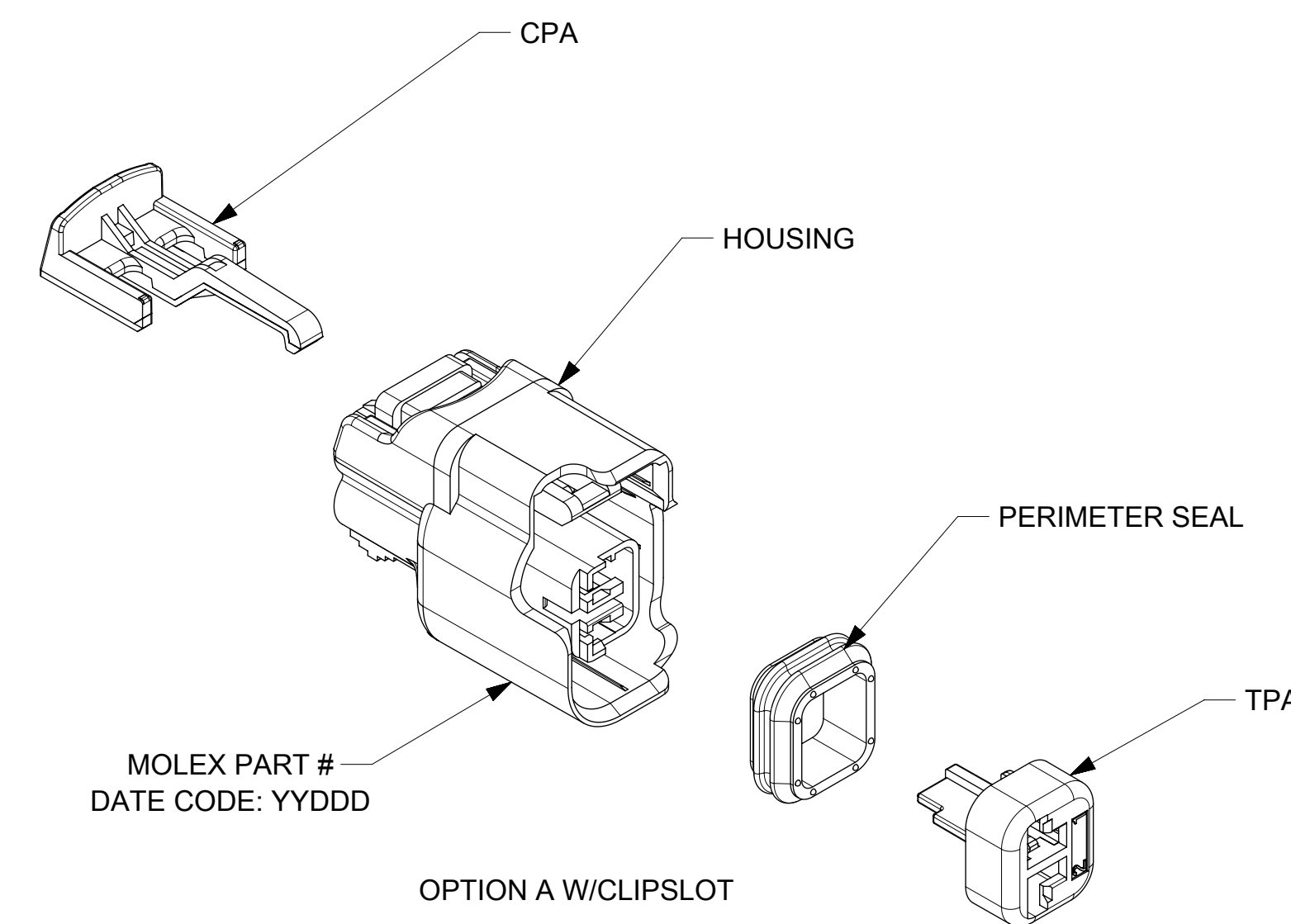


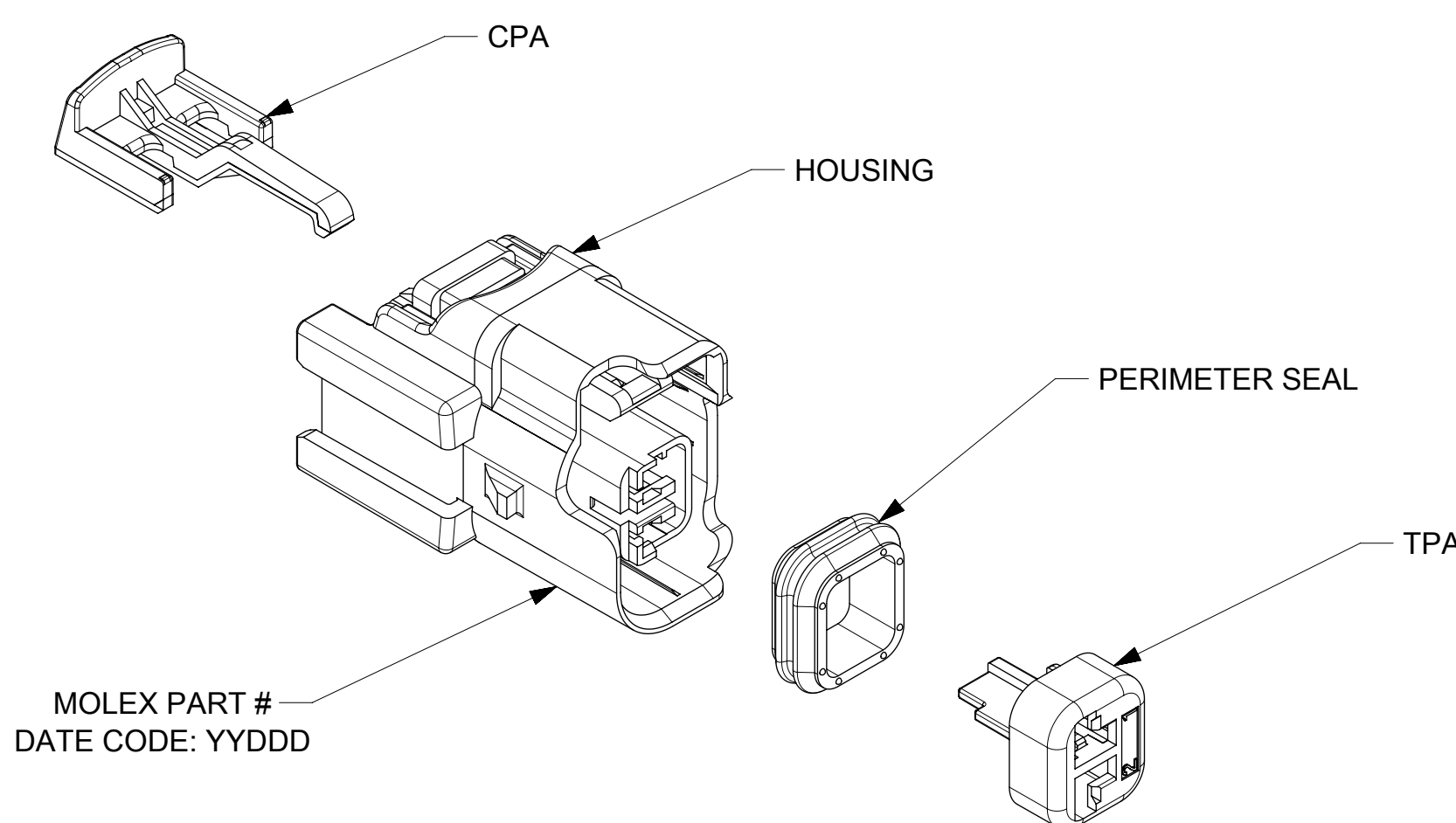
ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CPA	CLIPSLOT	TOOLED	STATUS SEE NOTE 8
34062-0001	BLACK	A	NO	NO	YES	OBSOLETE
34062-0002	GRAY	B	NO	NO	YES	OBSOLETE
34062-0003	BLACK	C	NO	NO	YES	OBSOLETE
34062-0004	BLACK	D	NO	NO	YES	OBSOLETE
34062-0005	BLACK	A	YES	NO	YES	OBSOLETE
34062-0006	GRAY	B	YES	NO	YES	PLANNED FOR OBSOLESCENCE SEE REFERENCE P/N 34062-0026
34062-0007	BLACK	C	YES	NO	YES	OBSOLETE
34062-0008	BLACK	D	YES	NO	YES	OBSOLETE
34062-0009	GRAY	D	NO	NO	YES	OBSOLETE
34062-0010	GRAY	D	YES	NO	YES	OBSOLETE
34062-0011	BLACK	A	NO	YES	YES	OBSOLETE
34062-0012	GRAY	B	NO	YES	NO	OBSOLETE
34062-0013	BLACK	C	NO	YES	NO	OBSOLETE
34062-0014	BLACK	D	NO	YES	NO	OBSOLETE
34062-0015	BLACK	A	YES	YES	YES	OBSOLETE
34062-0016	GRAY	B	YES	YES	NO	OBSOLETE
34062-0017	BLACK	C	YES	YES	NO	OBSOLETE
34062-0018	BLACK	D	YES	YES	NO	OBSOLETE
34062-0019	GRAY	D	NO	YES	NO	OBSOLETE
34062-0020	GRAY	D	YES	YES	NO	OBSOLETE



SCALE 1:1

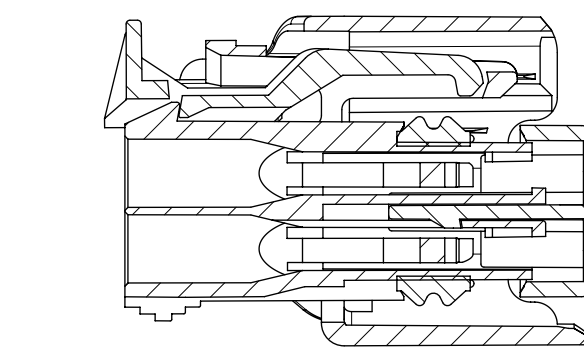
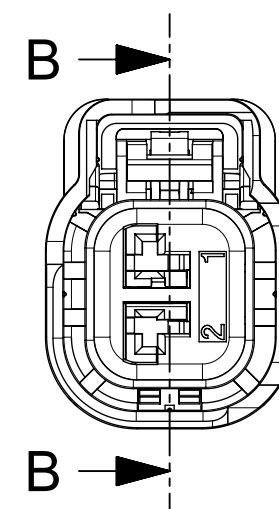
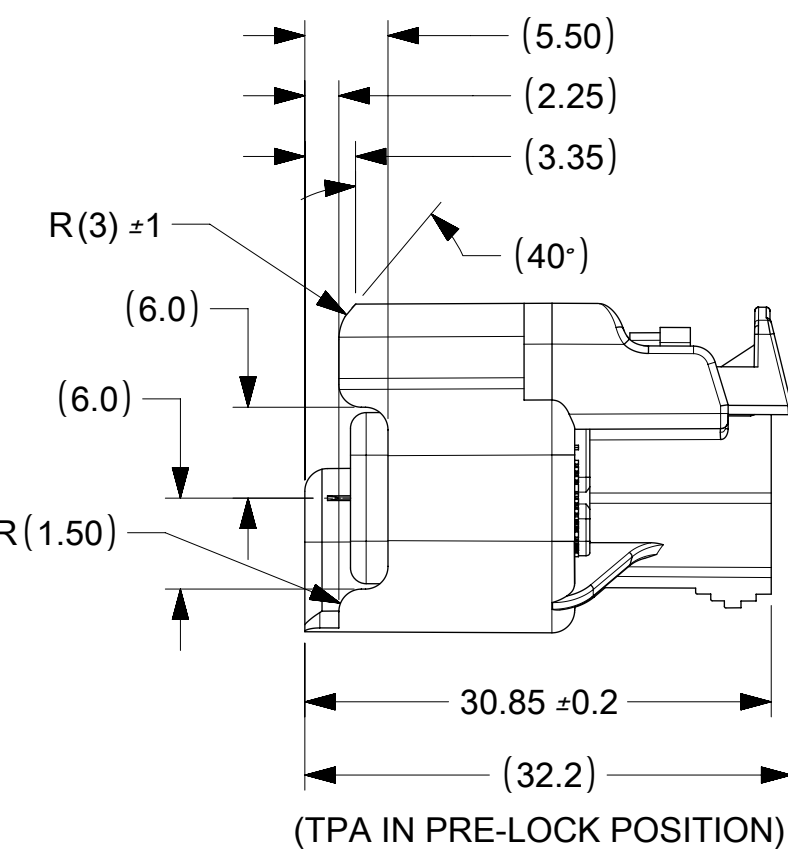
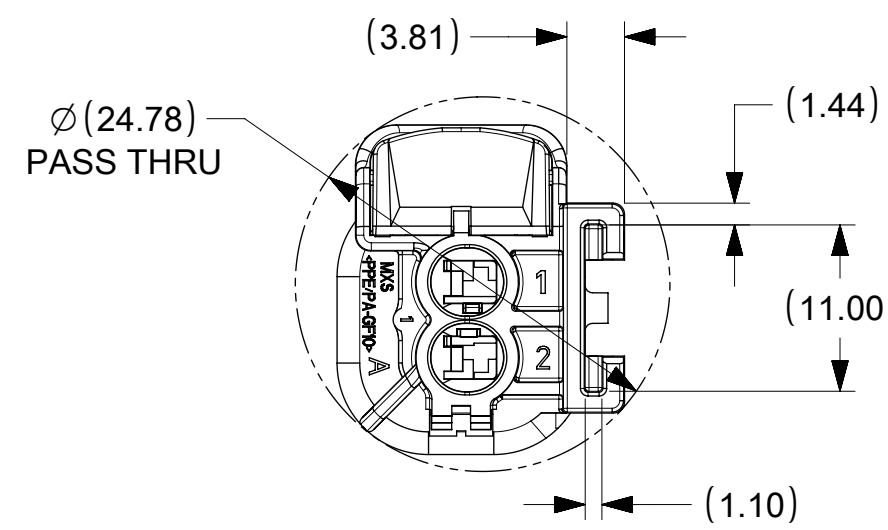
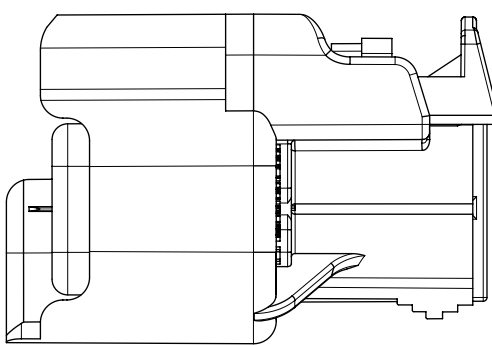
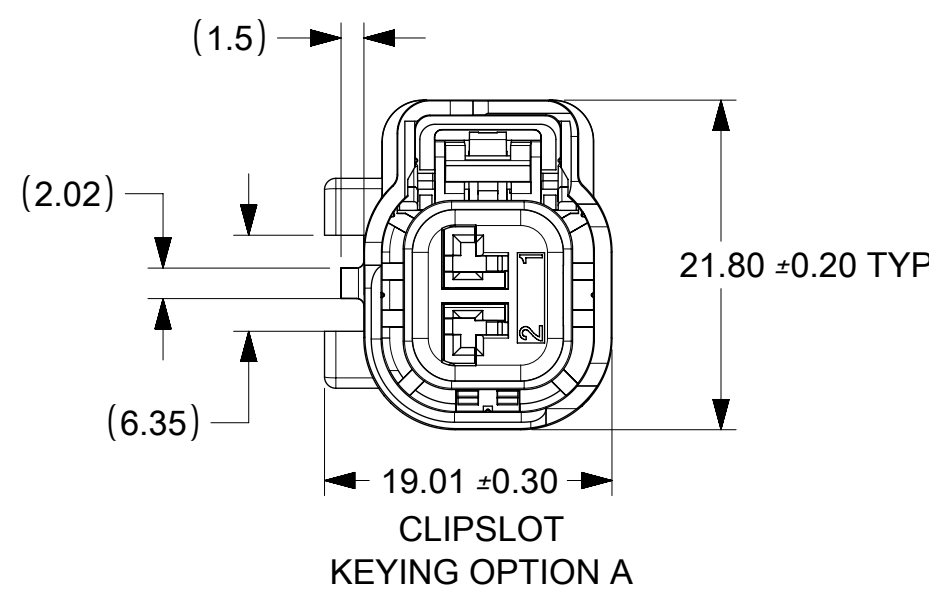
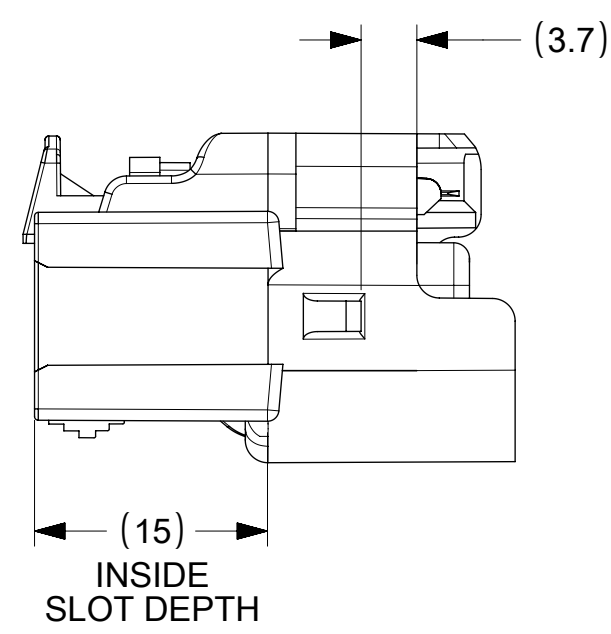


OPTION A W/CLIPSLOT

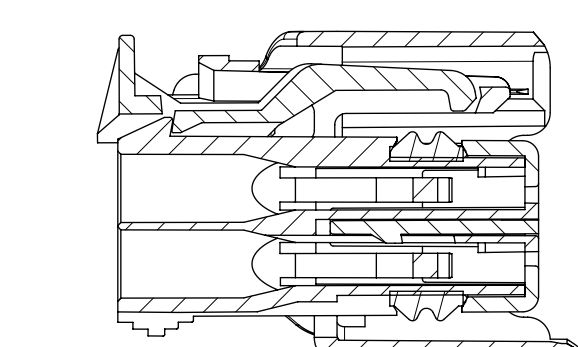
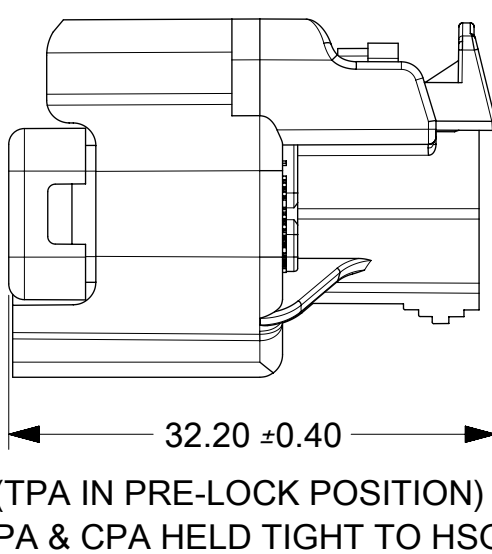
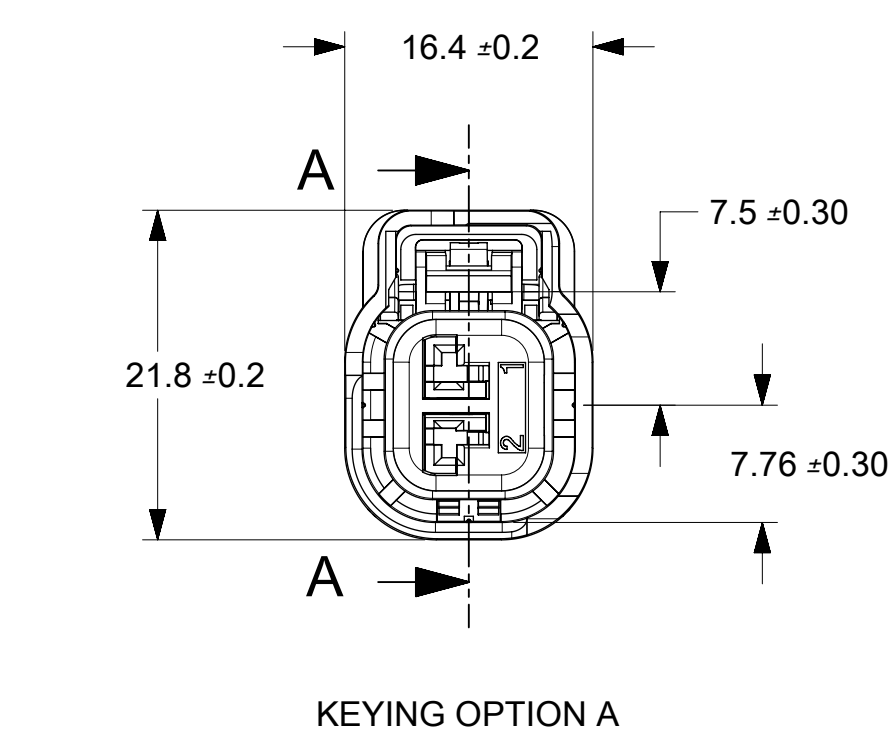
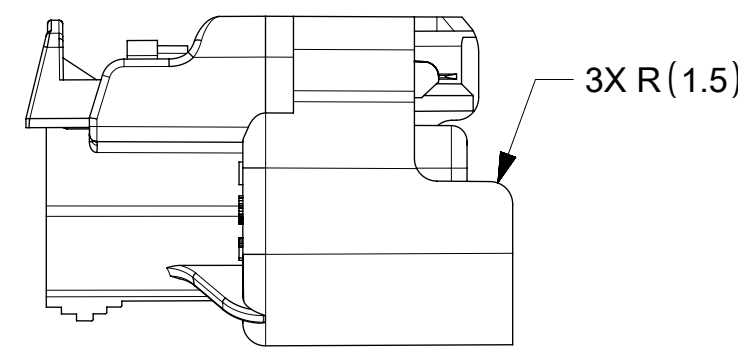


OPTION A CLIP-SLOT

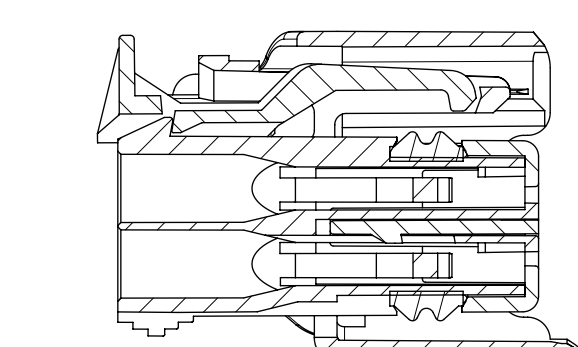
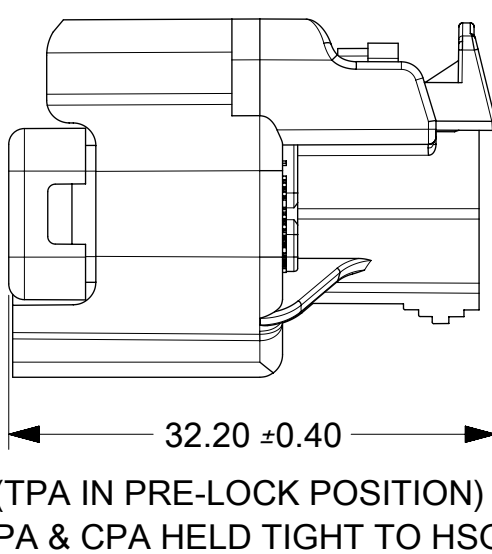
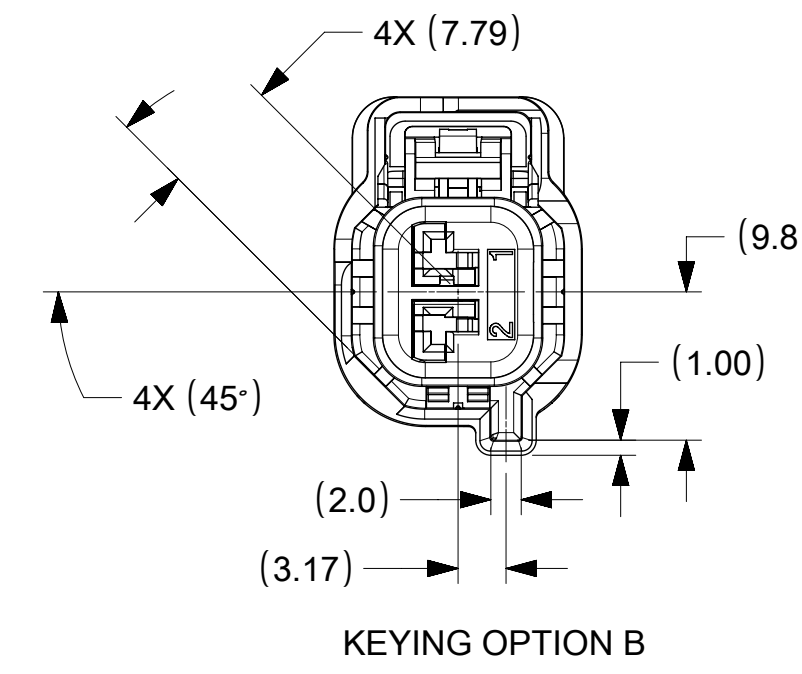
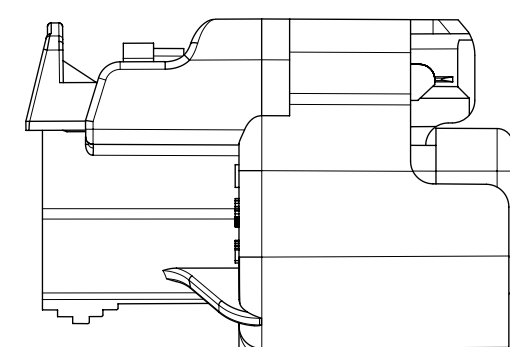
- NOTES: UNLESS OTHERWISE SPECIFIED
- ASSEMBLY CONFORMS TO:
SAE/JSCAR-12, REV 2,
SAE/JSCAR-2 REV 4
EXCEPT TPA REMOVAL FROM FINAL LOCK - SECOND CYCLE,
SHALL NOT BE LESS THAN 12 NEWTONS.
SAE/JSCAR-20 DEC. 2001.
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN EWCAP
DRAWING 150-S-002-1-Z01 REV A (9-18-2003).
 - ASSEMBLY SHIPPED WITH TPA IN PRE-LOCK POSITION (SEE SECTION B-B
PRE-LOCK). UPON FULL TERMINAL ASSEMBLY, EACH TPA MUST BE SNAPPED
INTO ITS FINAL-LOCK POSITION.
 - OPTIONAL CPA SHOWN IN ALL VIEWS. SEE TABLES FOR SPECIFIC ASSEMBLY
OPTION AND NUMBER.
 - KEYING OPTION AND ASSEMBLY MACHINE IDENTIFIER.
 - RECYCLE CODE FOR PERIMETER SEAL: SILICON 50 DUROMETER
HOUSING: PPE/PA-GF10
TPA/CPA: PBT-GF30
 - SYSTEM TESTED USING ESB-M1L123-A, 16,18,20&22 AWG WIRE. MS-8288 AND
MS9502 ARE ACCEPTABLE ALTERNATIVES.
 - FOR RECOMMENDED PART NUMBERS NOT SHOWN ON THIS DRAWING SEE SD-34062-002 & SD-34062-004.



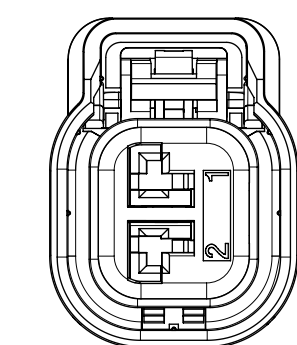
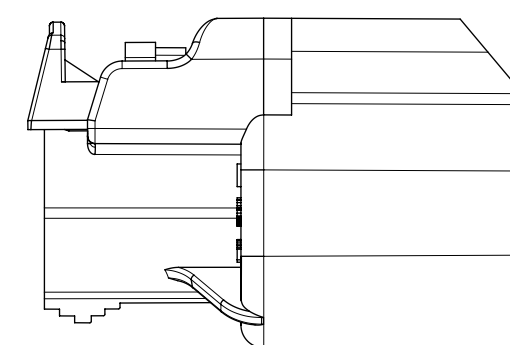
SECTION B-B
(TPA SHOWN IN PRE-LOCK POSITION)
SEE NOTE #3



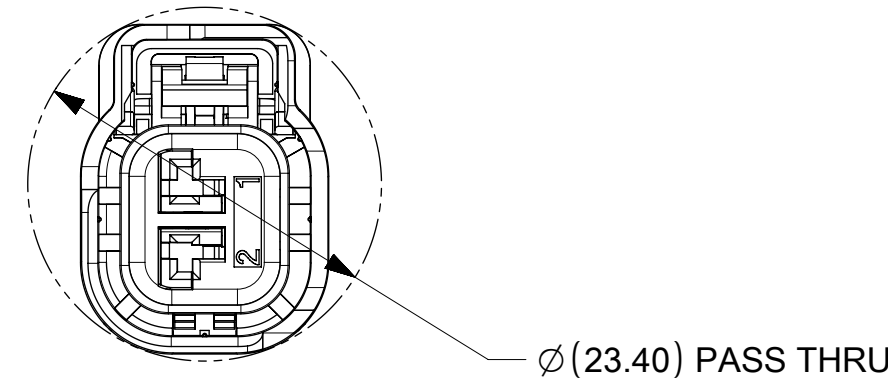
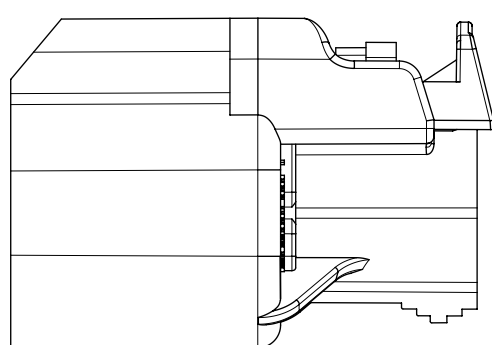
SECTION A-A
(TPA SHOWN IN FINAL-LOCK POSITION)
SEE NOTE #3



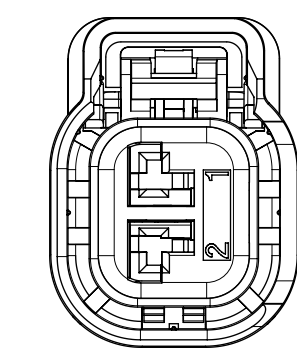
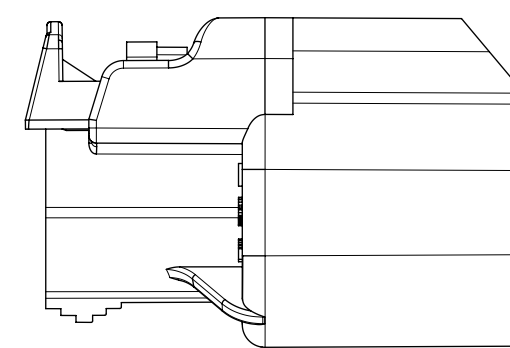
SECTION A-A
(TPA SHOWN IN FINAL-LOCK POSITION)
SEE NOTE #3



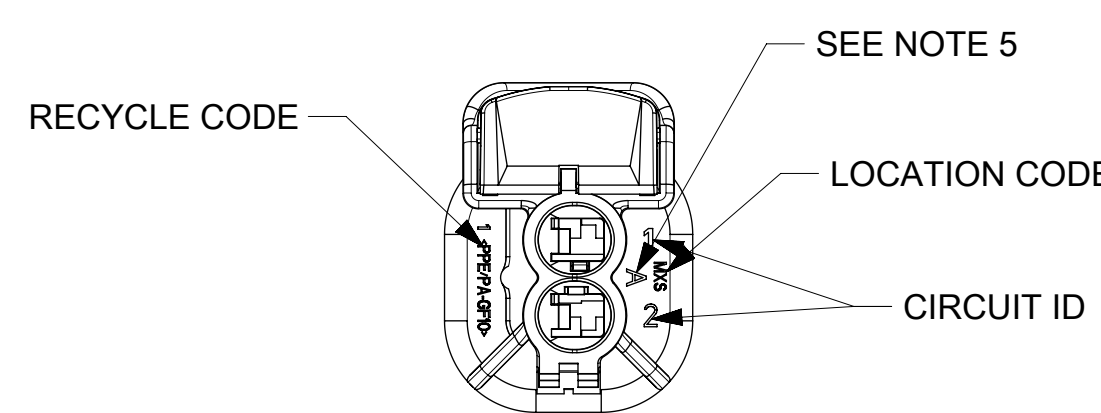
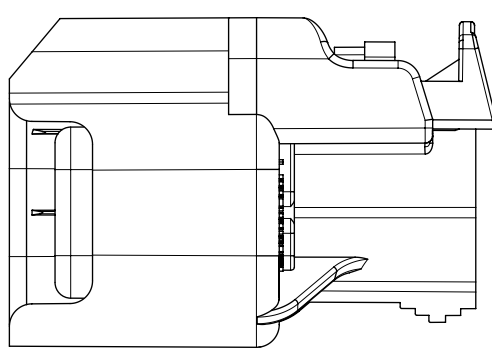
KEYING OPTION C



Ø(23.40) PASS THRU



KEYING OPTION D

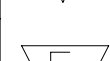
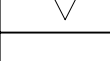
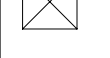
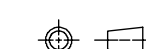


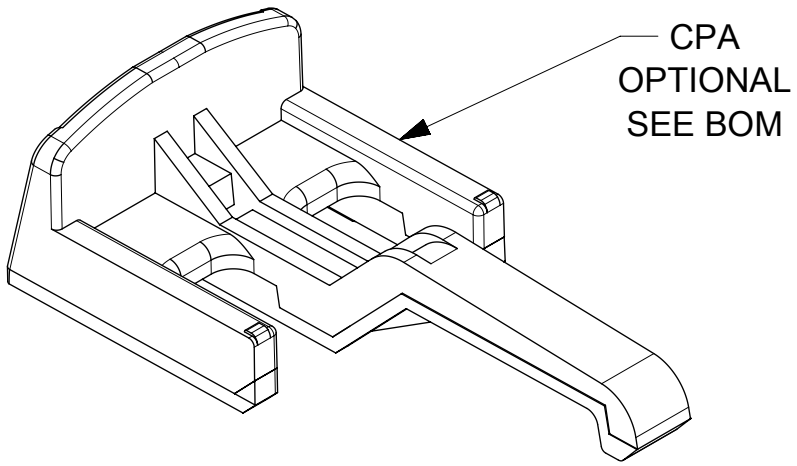
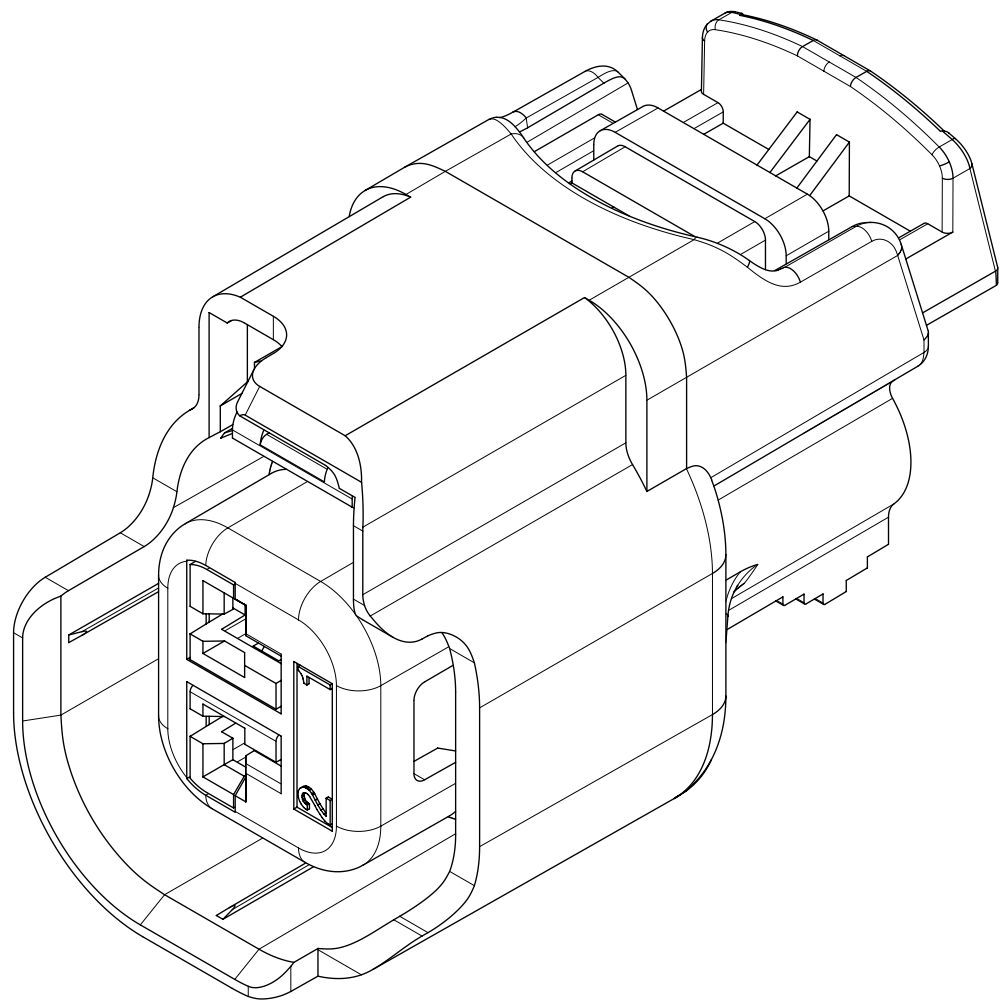
SEE NOTE 5

LOCATION CODE

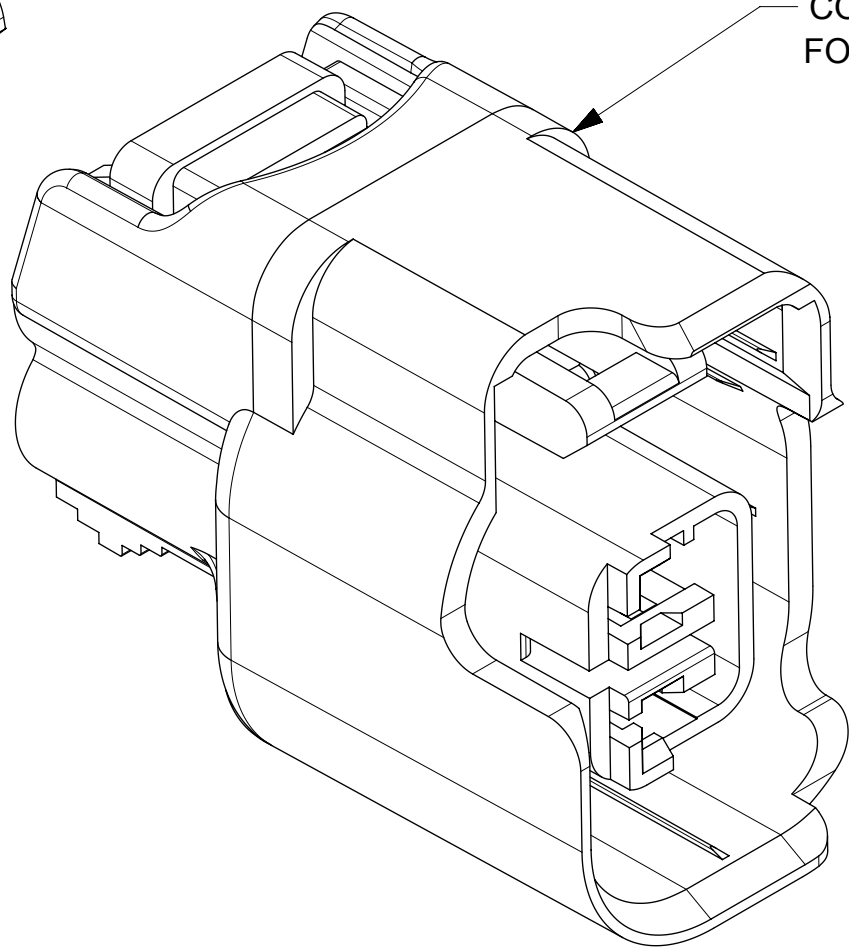
CIRCUIT ID

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22	0.50	34083-3003	34083-1003	LEFT	TIN	22	7158-3030-50	1.20-1.70	RED	E-1644-01	1.19-1.65	PINK
22	0.50	34081-2005	34081-0005	RIGHT	GOLD	22	7158-3030-50	1.20-1.70	RED	E-1644-01	1.19-1.65	PINK
22	0.50	34081-3005	34081-1005	LEFT	GOLD	22	7158-3030-50	1.20-1.70	RED	E-1644-01	1.19-1.65	PINK
20	0.75	34083-2002	34083-0002	RIGHT	TIN	18/20	7158-3031-90	1.63-2.40	BLUE	E-1644-00	1.60-2.10	GREEN
20	0.75	34083-3002	34083-1002	LEFT	TIN	18/20	7158-3031-90	1.63-2.40	BLUE	E-1644-00	1.60-2.10	GREEN
20	0.75	34081-2004	34081-0004	RIGHT	GOLD	18/20	7158-3031-90	1.63-2.40	BLUE	E-1644-00	1.60-2.10	GREEN
20	0.75	34081-3004	34081-1004	LEFT	GOLD	18/20	7158-3031-90	1.63-2.40	BLUE	E-1644-00	1.60-2.10	GREEN
18	1.0	34083-2002	34083-0002	RIGHT	TIN	18/20	7158-3031-90	1.63-2.40	BLUE	E-1644-00	1.60-2.10	GREEN
18	1.0	34083-3002	34083-1002	LEFT	TIN	18/20	7158-3031-90	1.63-2.40	BLUE	E-1644-00	1.60-2.10	GREEN
18	1.0	34081-2004	34081-0004	RIGHT	GOLD	18/20	7158-3031-90	1.63-2.40	BLUE	E-1644-00	1.60-2.10	GREEN
18	1.0	34081-3004	34081-1004	LEFT	GOLD	18/20	7158-3031-90	1.63-2.40	BLUE	E-1644-00	1.60-2.10	GREEN
16	1.5	34083-2001	34083-0001	RIGHT	TIN	14/16	7158-3031-90	1.63-2.40	BLUE	E-1644-02	2.10-2.50	YELLOW
16	1.5	34083-3001	34083-1001	LEFT	TIN	14/16	7158-3031-90	1.63-2.40	BLUE	E-1644-02	2.10-2.50	YELLOW
16	1.5	34081-2003	34081-0003	RIGHT	GOLD	16	7158-3031-90	1.63-2.40	BLUE	E-1644-02	2.10-2.50	YELLOW
16	1.5	34081-3003	34081-1003	LEFT	GOLD	16	7158-3031-90	1.63-2.40	BLUE	E-1644-02	2.10-2.50	YELLOW
AWG	METRIC						YAZAKI P/N	WIRE OD RANGE	COLOR	QSR P/N	WIRE OD RANGE	COLOR
WIRE SIZE	PREFERRED TERMINAL	OPTIONAL TERMINAL	PAYOFF DIRECTION	PLATING	GRIP		YAZAKI			QSR		
RELEASE STATUS	RELEASE DATE											

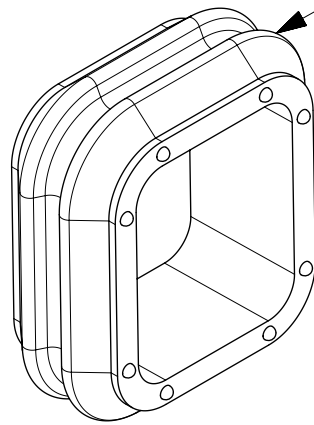
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 = 0	EC NO: 117955 DRWN: MSELANGOVAN CHKD: KDEKOSKI REV APPR: 2017/06/14	2017/04/27	2017/06/14	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		 CONNECTOR ASSEMBLY 2-WAY FUEL 1.5MM FEMALE FUEL INJECTOR CONNECTOR					
 = 0						MM		2:1							
 = 0				ANGULAR TOL ± 3.0 °		DRWN BY		DATE							
L.P.LIM						2002/11/15									
 = 0				4 PLACES ±		CHK'D BY		DATE							
 = 0				3 PLACES ±		DKOEHLER		2002/11/25							
 = 0				2 PLACES ± 0.1		APPR BY		DATE							
 = 0				1 PLACE ± 0.3		CPENDLET		2002/11/25							
 = 0				0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION		PRODUCT CUSTOMER DRAWING					
 = 0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		E				SERIES		MATERIAL NUMBER		CUSTOMER	
 = 0	34062		SEE TABLE							GENERAL MARKET					
= 0	L4	REV	DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER						
			SD-34062-001		PSD		000		1 OF 1						



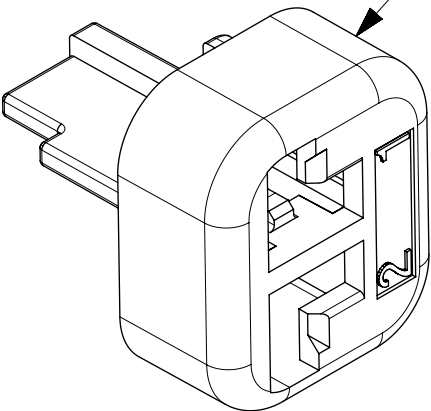
CPA
OPTIONAL
SEE BOM



CONNECTOR HOUSING
FOR OPTIONS SEE BOM



RING SEAL
FOR OPTIONS
SEE BOM



TPA

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

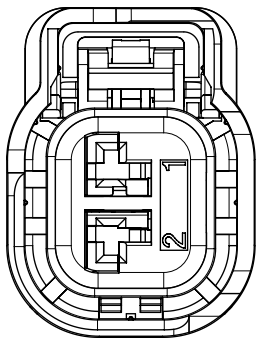
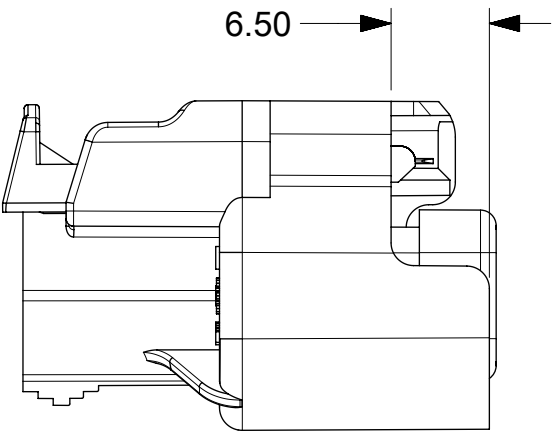
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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

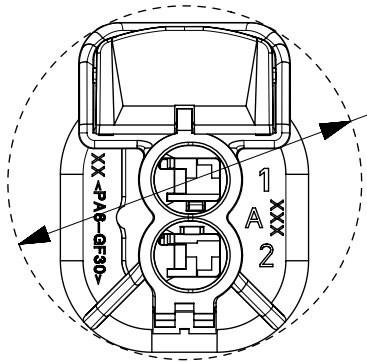
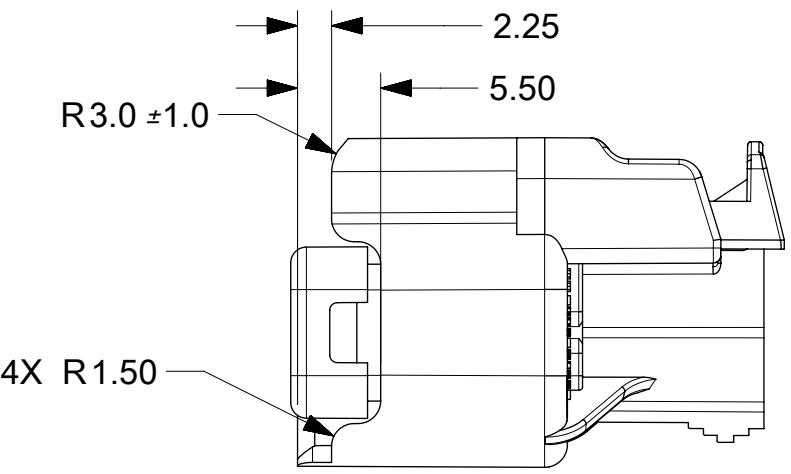
INSPECTION BALLOON NUMBER LOG									
PER DRAWING REVISION: J18									
LAST BALLOON NUMBER USED: ICD 64									
ADDED BALLOON NUMBERS: ICD 64									
REMOVED BALLOON NUMBERS: ICD 7, ICD 8, ICD 9,ICD 18, ICD 19, ICD 20, ICD 41, ICD 42									

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	EC NO: 117955 DRWN: PKABBUR CHKD: KDEKOSKI REV: J19	2017/05/15 2017/06/14	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE						
= 0				MM		4:1						
				ANGULAR TOL ± 3.0 °		DRWN BY		DATE				
= 0				4 PLACES ±		KCUNNINGHAM		2011/11/08				
				3 PLACES ±		CHK'D BY		DATE				
= 0				2 PLACES ± 0.1		MVANSLAMBROU		1/26/2012				
				1 PLACE ± 0.3		APPR BY		DATE				
= 0				0 PLACES ±		KDEKOSKI		2017/06/14				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		PRODUCT CUSTOMER DRAWING			
= 0					D				SERIES	MATERIAL NUMBER	CUSTOMER	
							34062		SEE NOTE 2a		GENERAL MARKET	
							DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER	
= 0							SD-34062-002		PSD	000	1 OF 5	

SHEET DESCRIPTION
CONFIGURATIONS

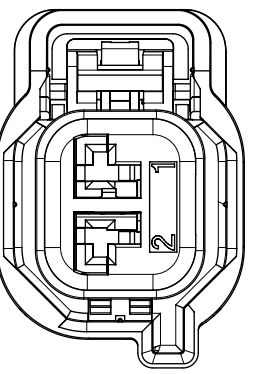
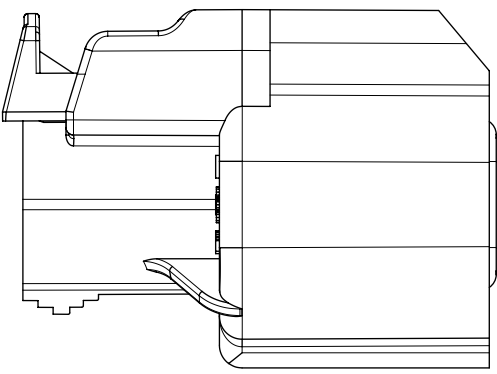


OPTION A

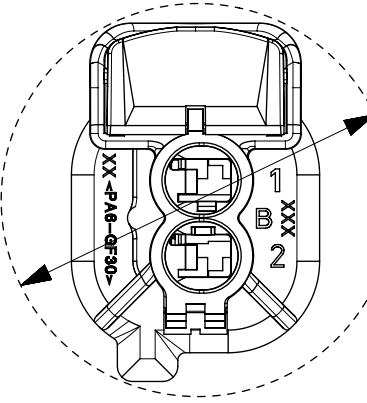
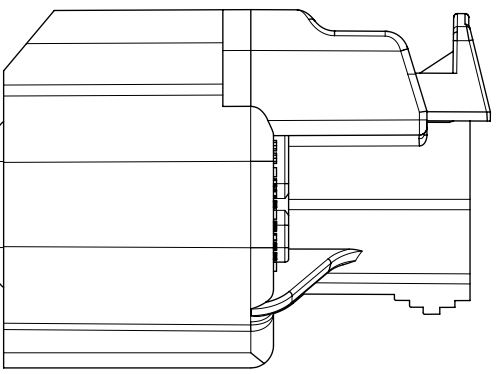


Ø23.40
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO NON-CLIP SLOT
OPTIONS A, C, D & G

REAR VIEW

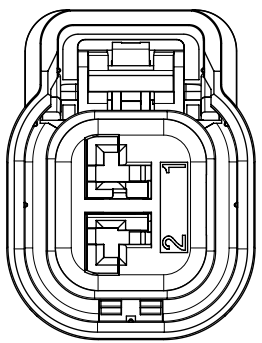
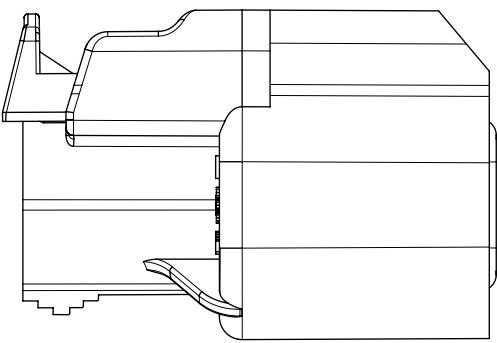


OPTION B

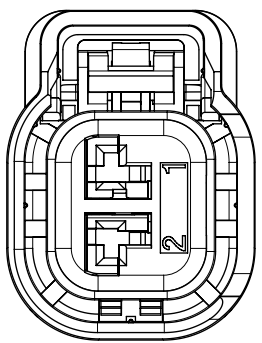
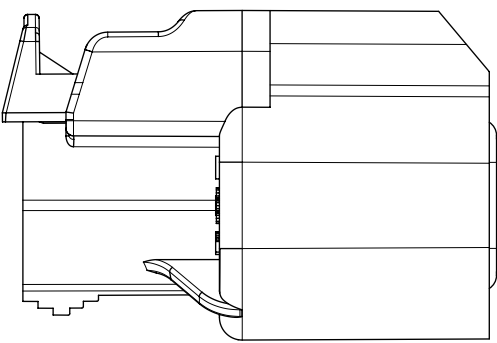
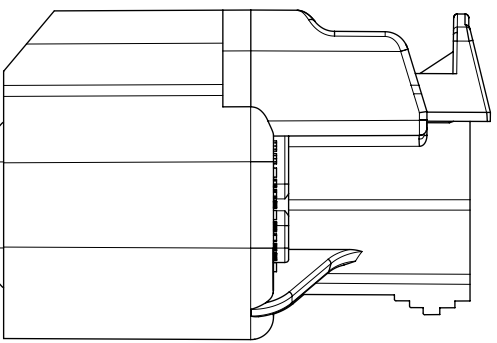


Ø26.00
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO NON-CLIP SLOT
OPTIONS B, E & F

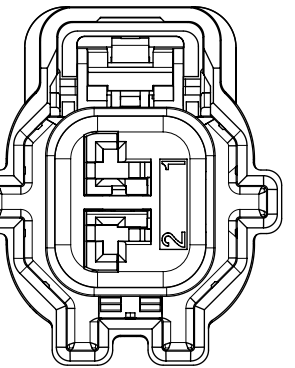
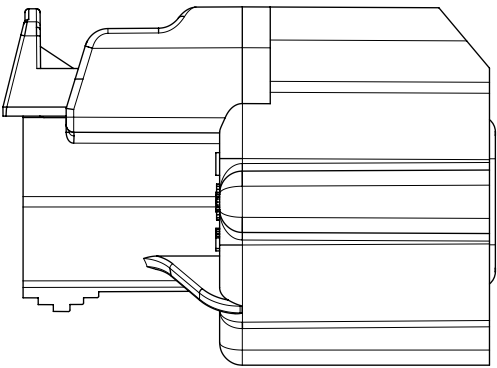
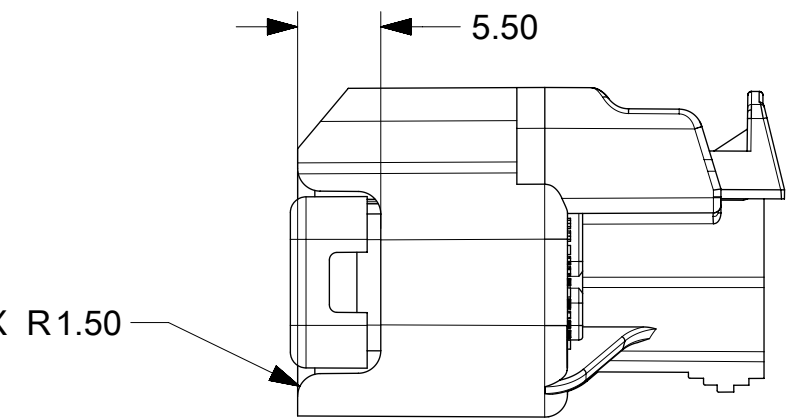
REAR VIEW



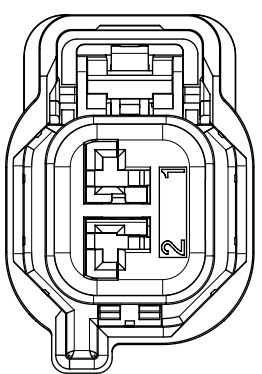
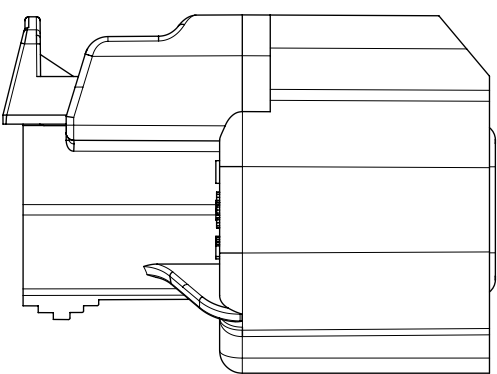
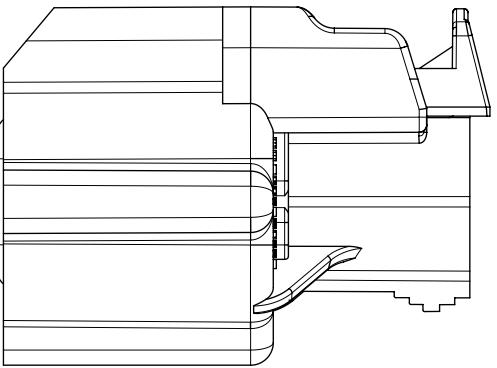
OPTION C



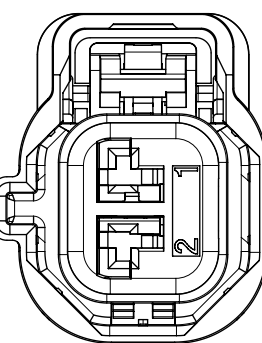
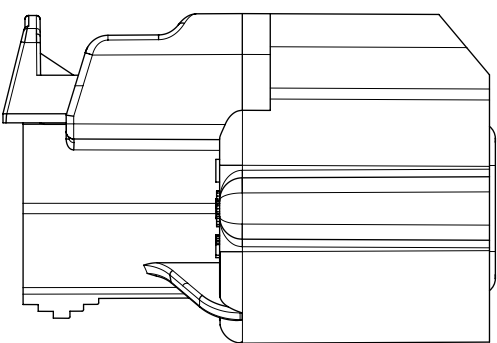
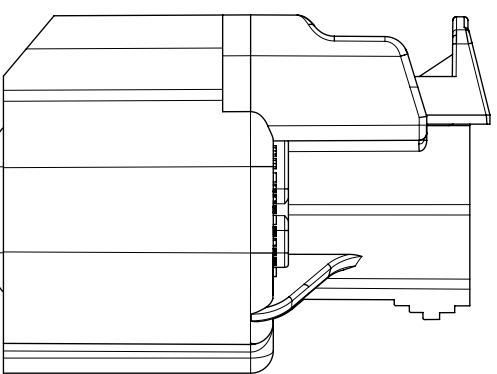
OPTION D



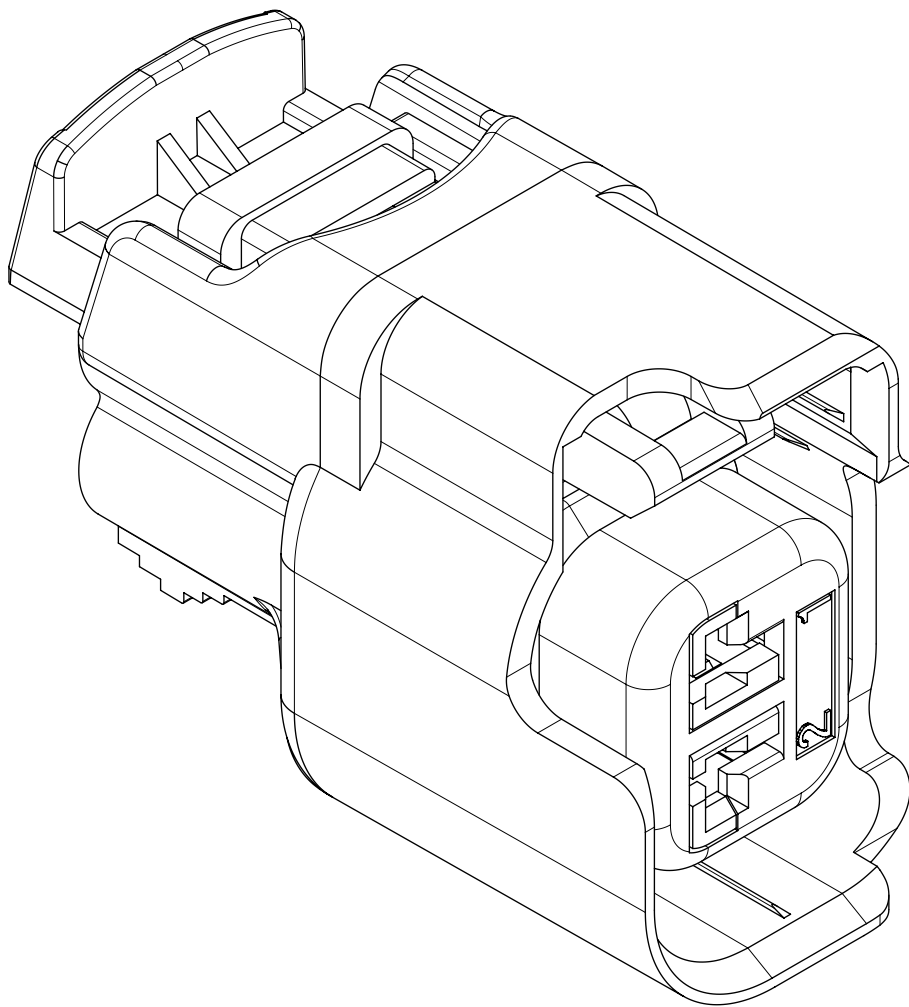
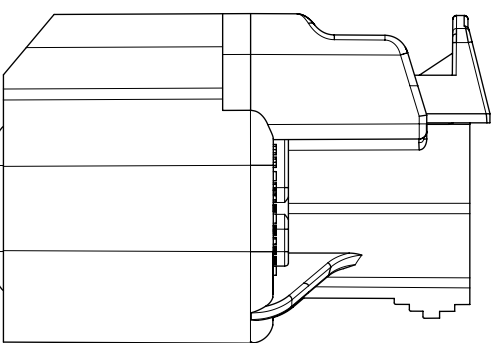
OPTION E



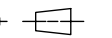
OPTION F



OPTION G

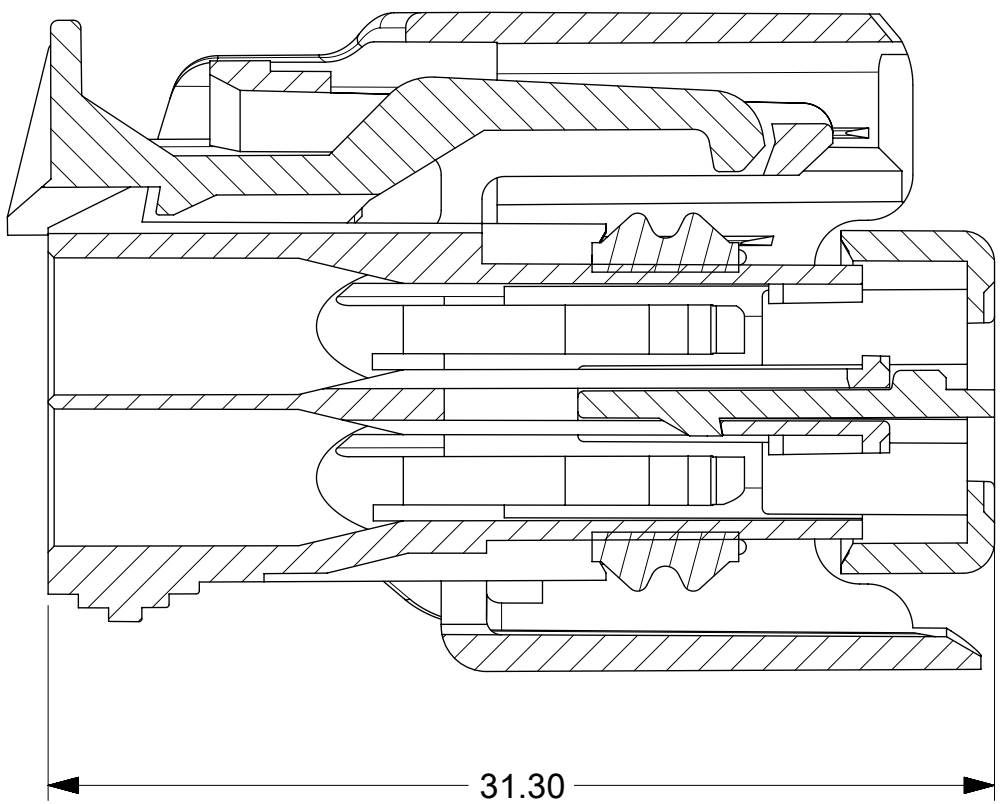
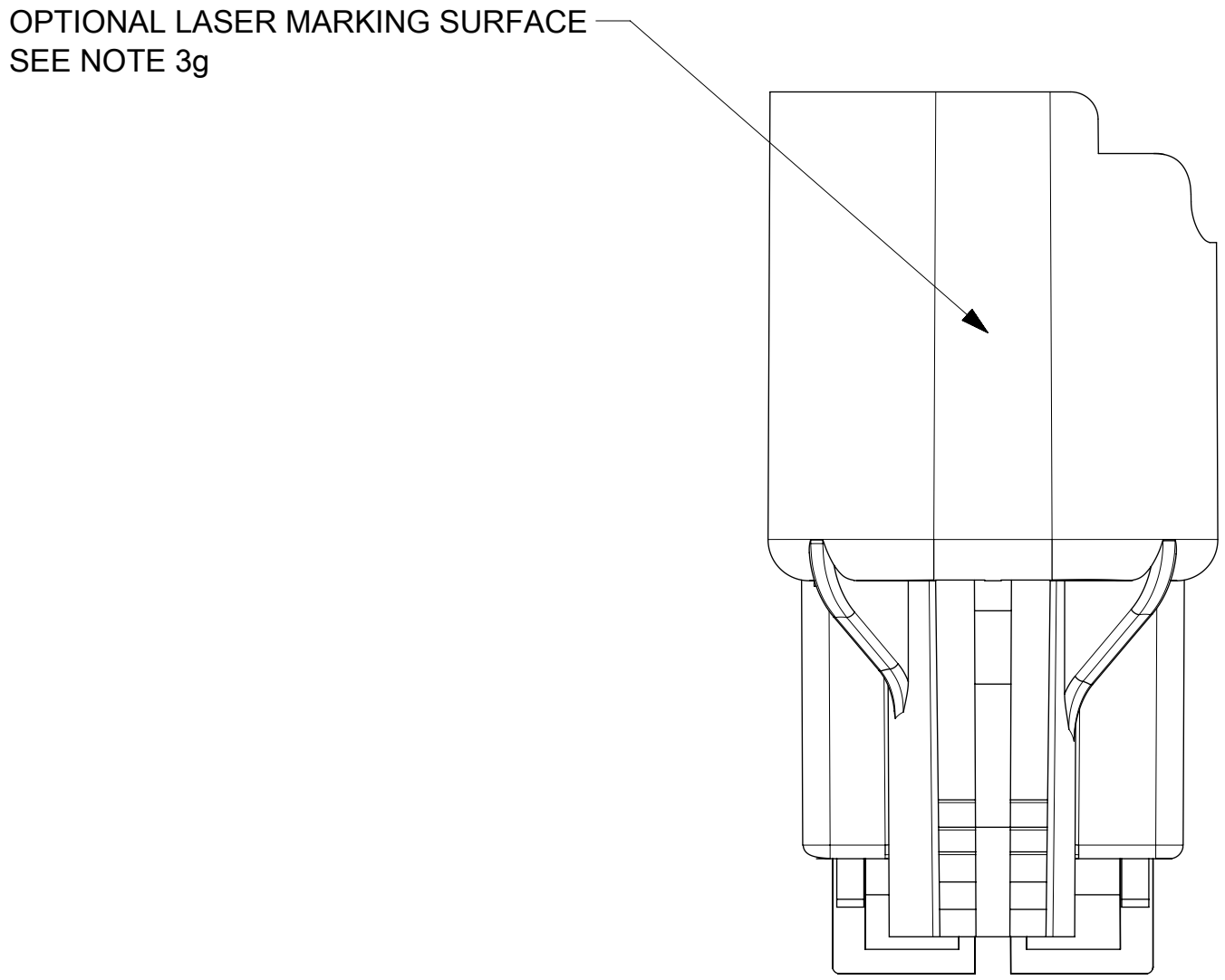
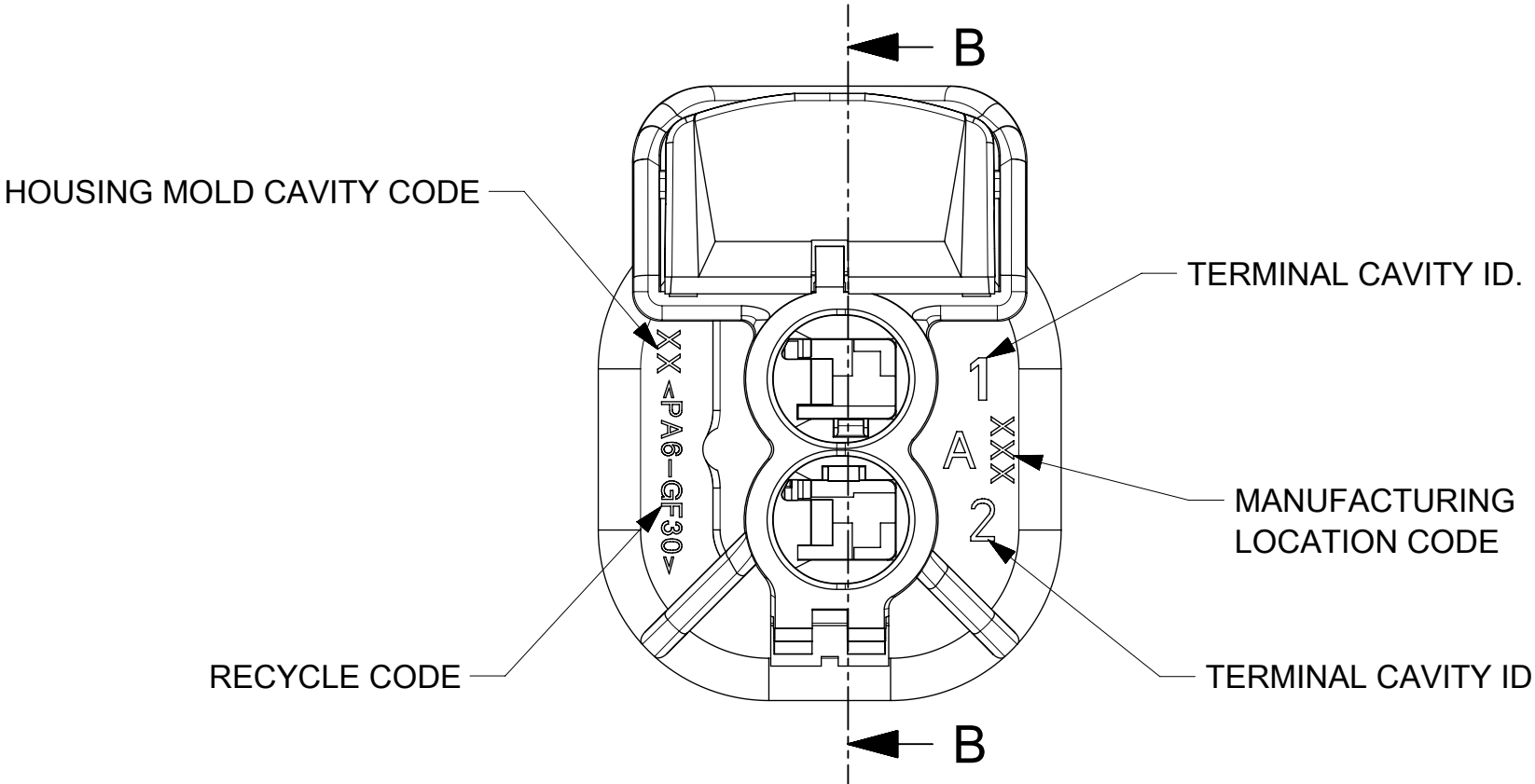
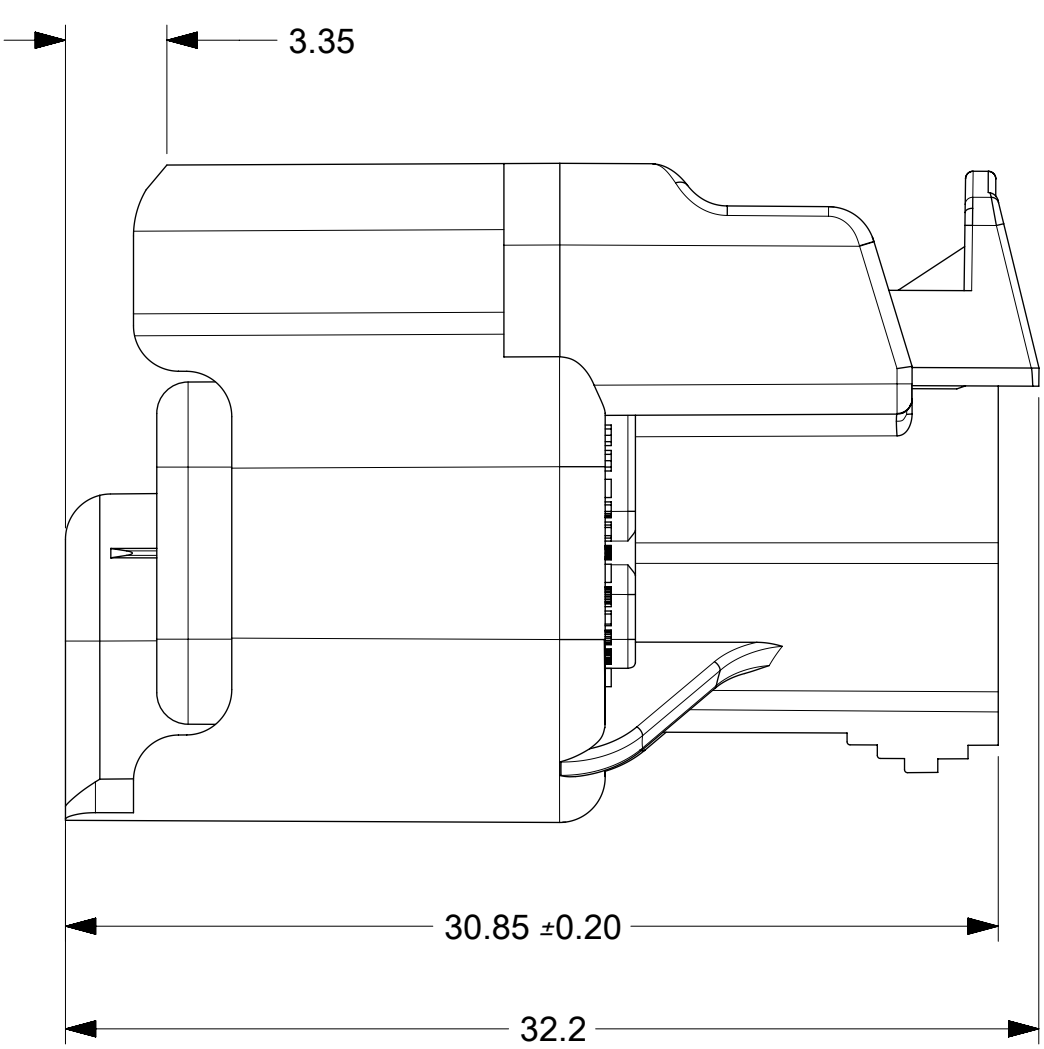
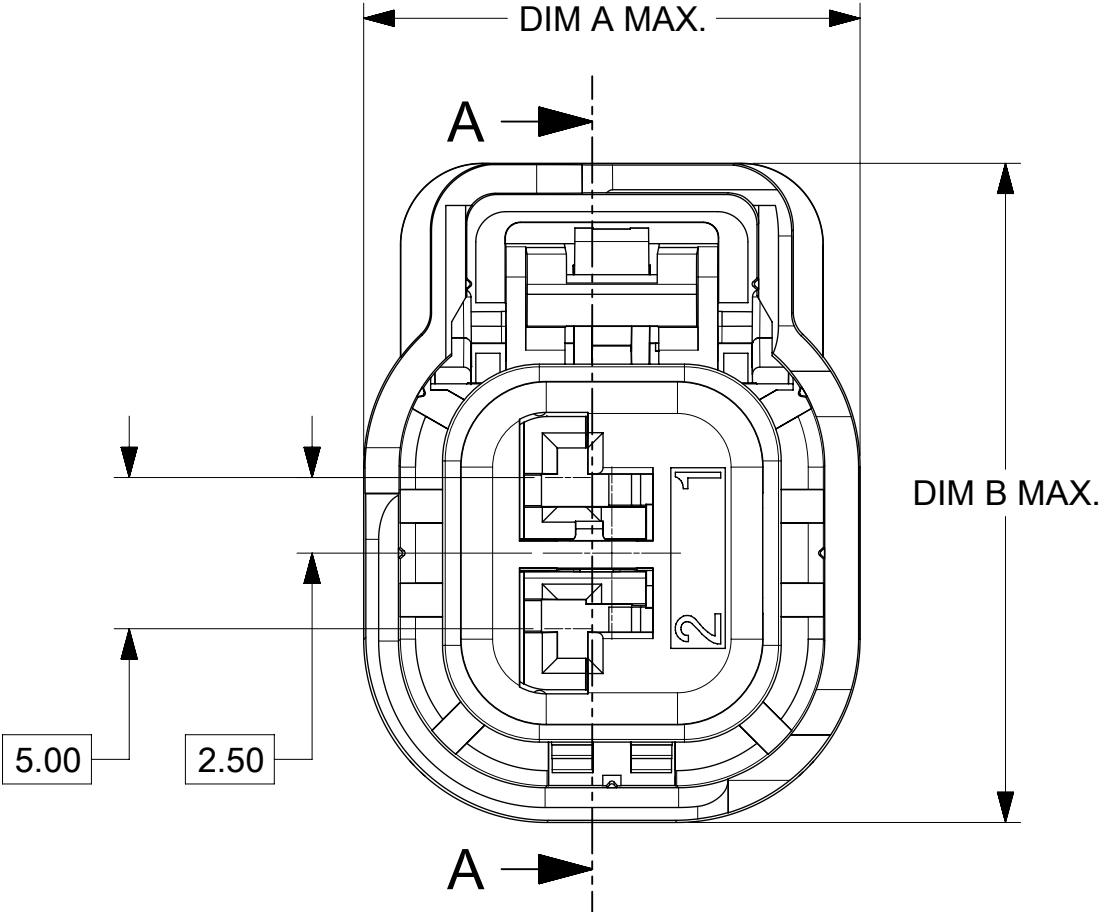
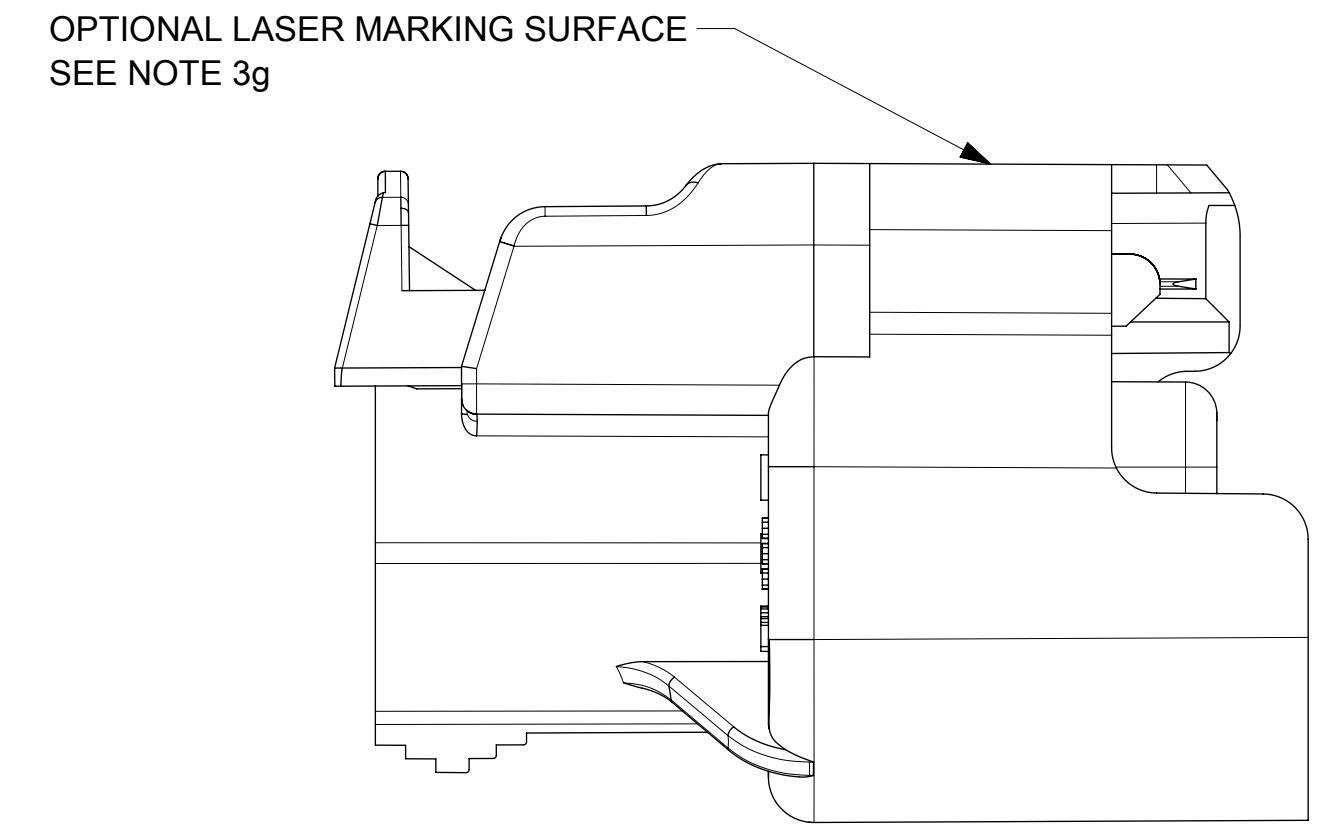


NON CLIP-SLOT OPTION
SCALE 4:1

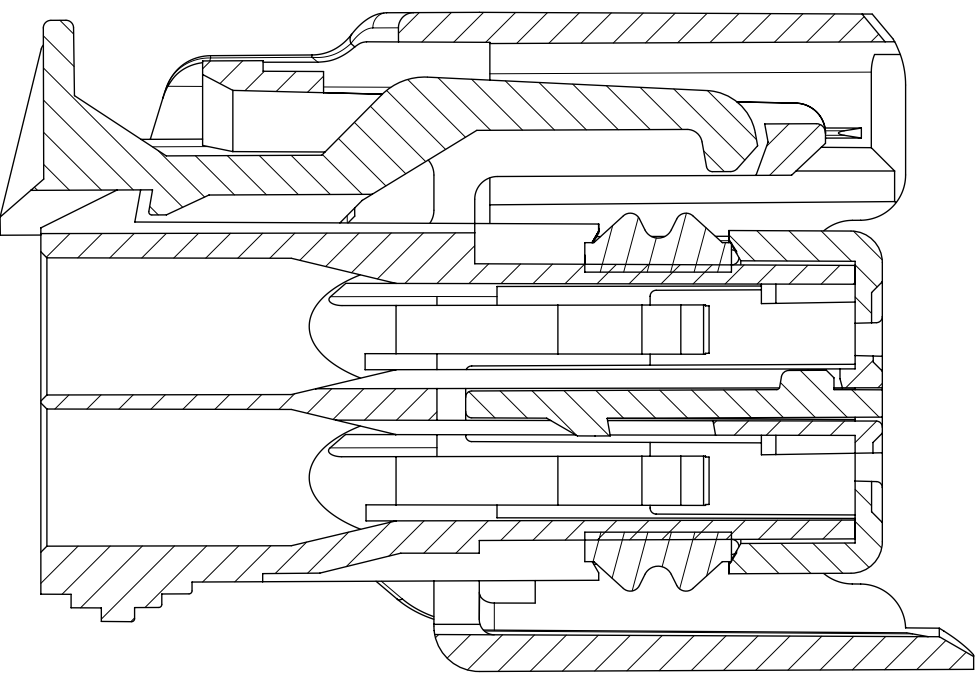
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
QUALITY SYMBOLS		2017/05/15	2017/06/14	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®					
						MM		2:1							
				ANGULAR TOL ± 3.0 °		DRWN BY		DATE		MX150 2 WAY CABLE SEAL RECEPTACLE CONN. SYSTEM (5.0MM PITCH)					
				4 PLACES ±		KCUNNINGHAM		2011/11/08							
				3 PLACES ±		CHK'D BY		DATE							
				2 PLACES ± 0.1		MVANSLAMBROU		1/26/2012							
				1 PLACE ± 0.3		APPR BY		DATE							
				0 PLACES ±		KDEKOSKI		2017/06/14		PRODUCT CUSTOMER DRAWING					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER		
				J19		REV	APPR: KDEKOSKI	D		34062	SEE NOTE 2a		GENERAL MARKET		
						DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER						
						SD-34062-002	PSD	000	2 OF 5						

SHEET DESCRIPTION
RECEPTACLE CONNECTOR ASSEMBLY

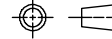
CHARTED DIMENSIONS		
CONFIGURATIONS	DIMENSIONS	
	A	B
OPTIONS A, C, D	16.6	22.0
OPTION B	16.6	23.9
OPTION E	20.2	23.9
OPTION F	16.6	23.9
OPTION G	18.4	22.0
OPTIONS A, C, D W/CLIP-SLOT	19.2	22.0
OPTION B W/CLIP-SLOT	19.2	23.9

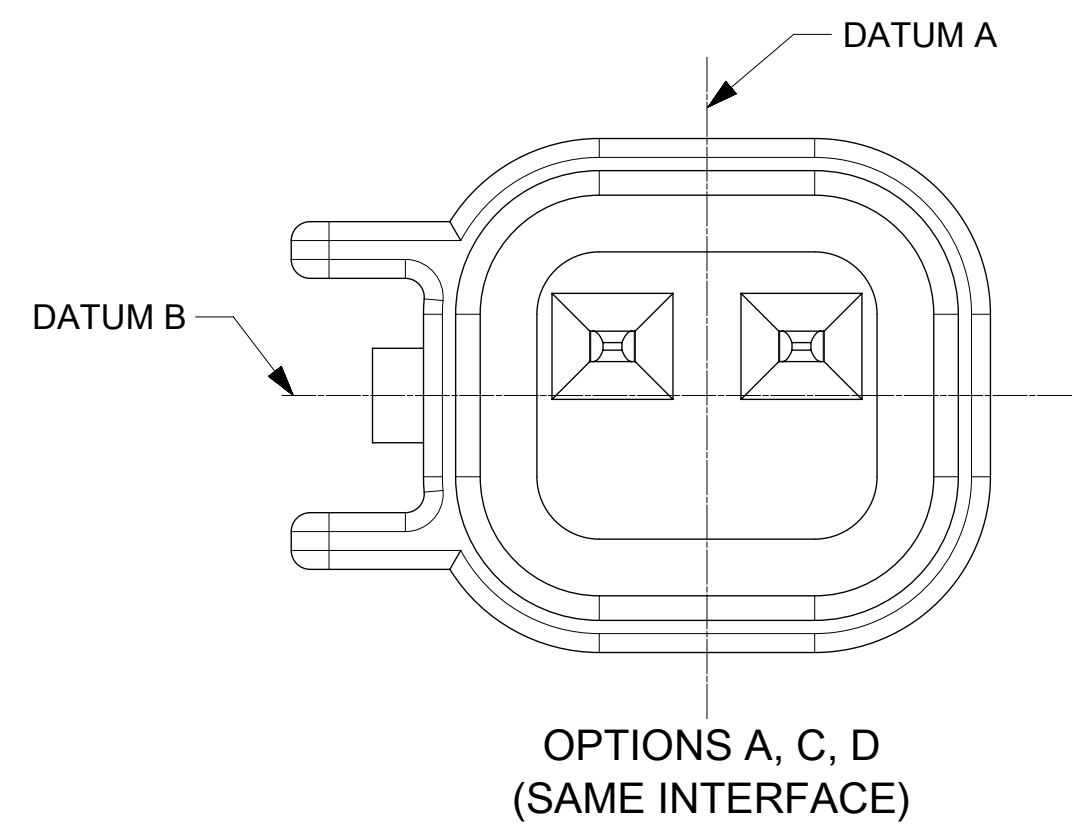


SECTION A-A
TPA SHOWN IN THE
PRE-STAGED POSITION

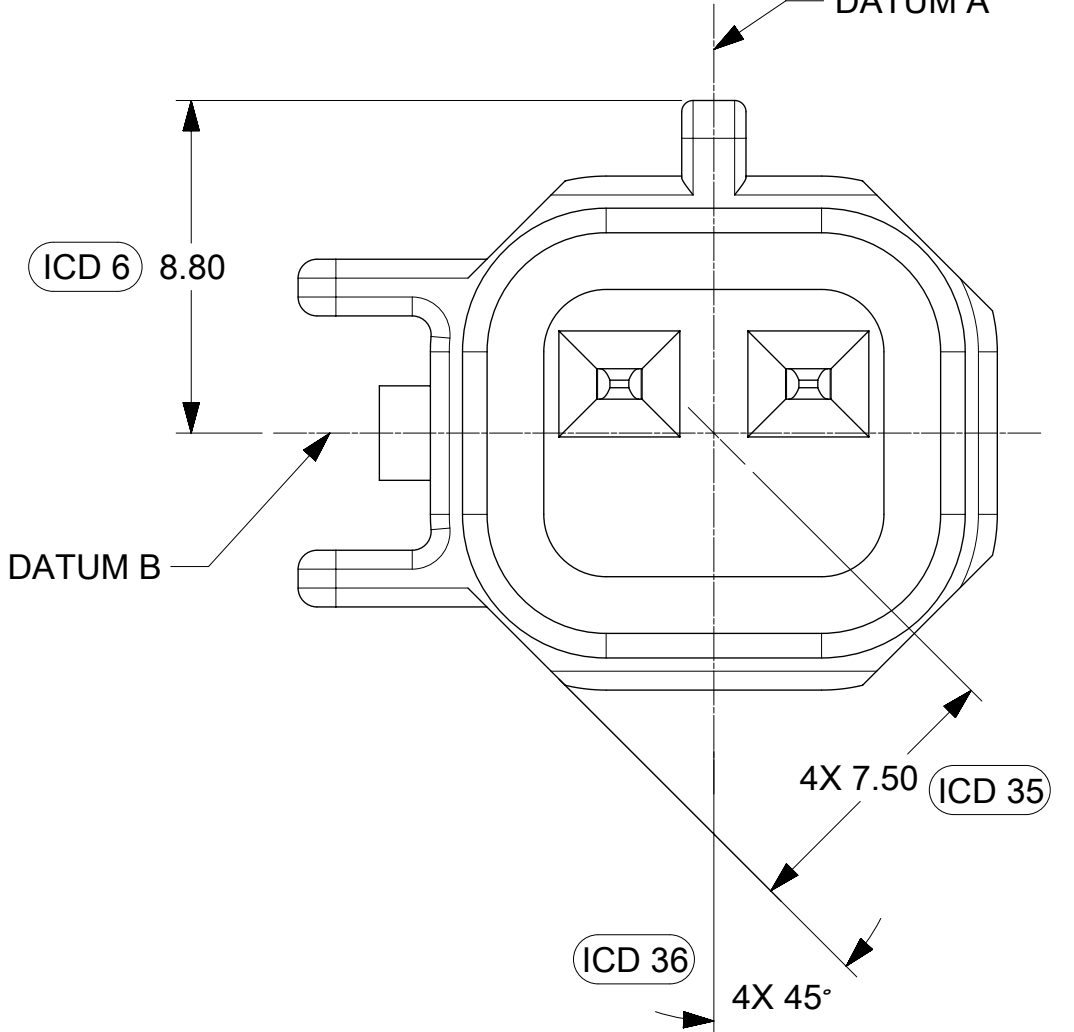


SECTION B-B
TPA SHOWN IN
FINAL-LOCK POSITION

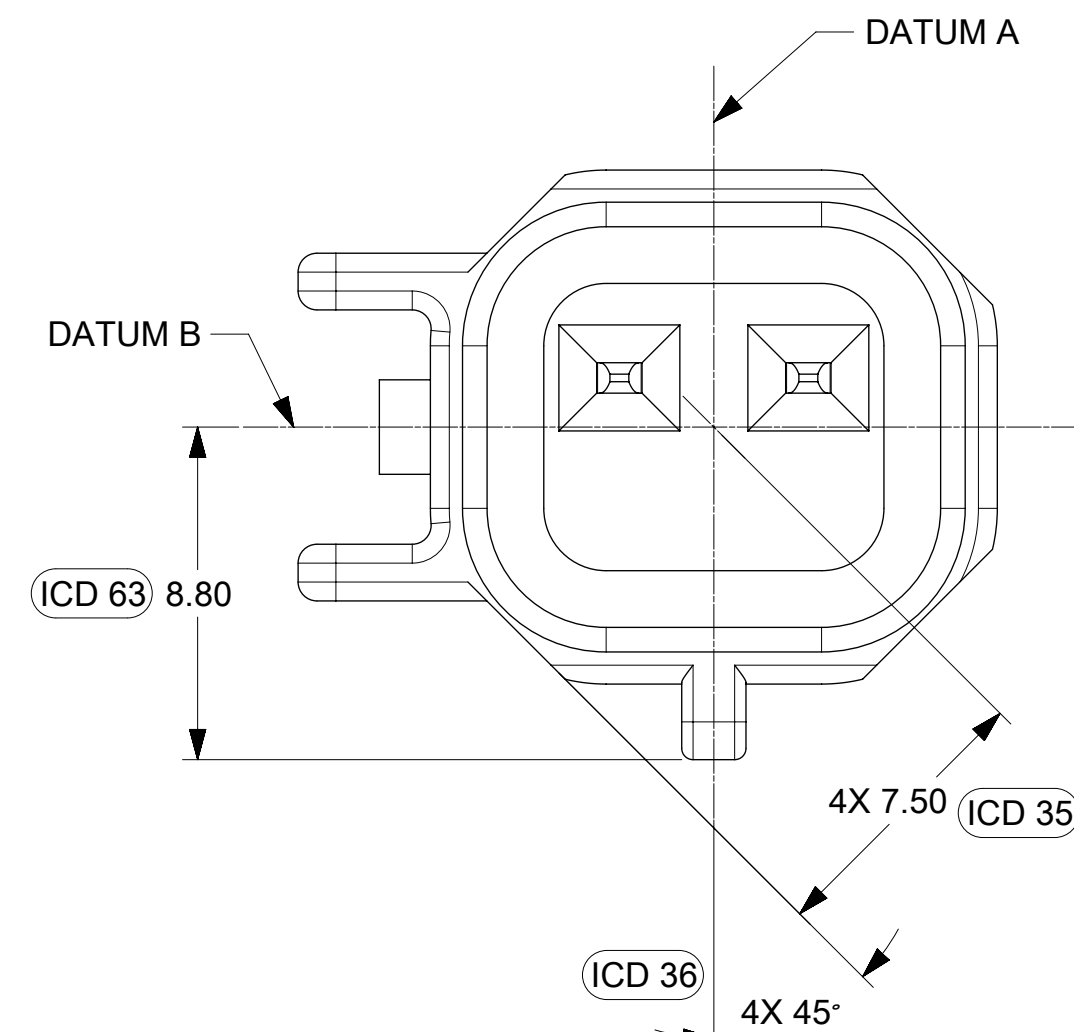
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
QUALITY SYMBOLS		2017/05/15 2017/06/14 EC NO: 117955 DRWN: PKABBUR CHKD: KDEKOSKI REV: APPR: KDEKOSKI	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION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



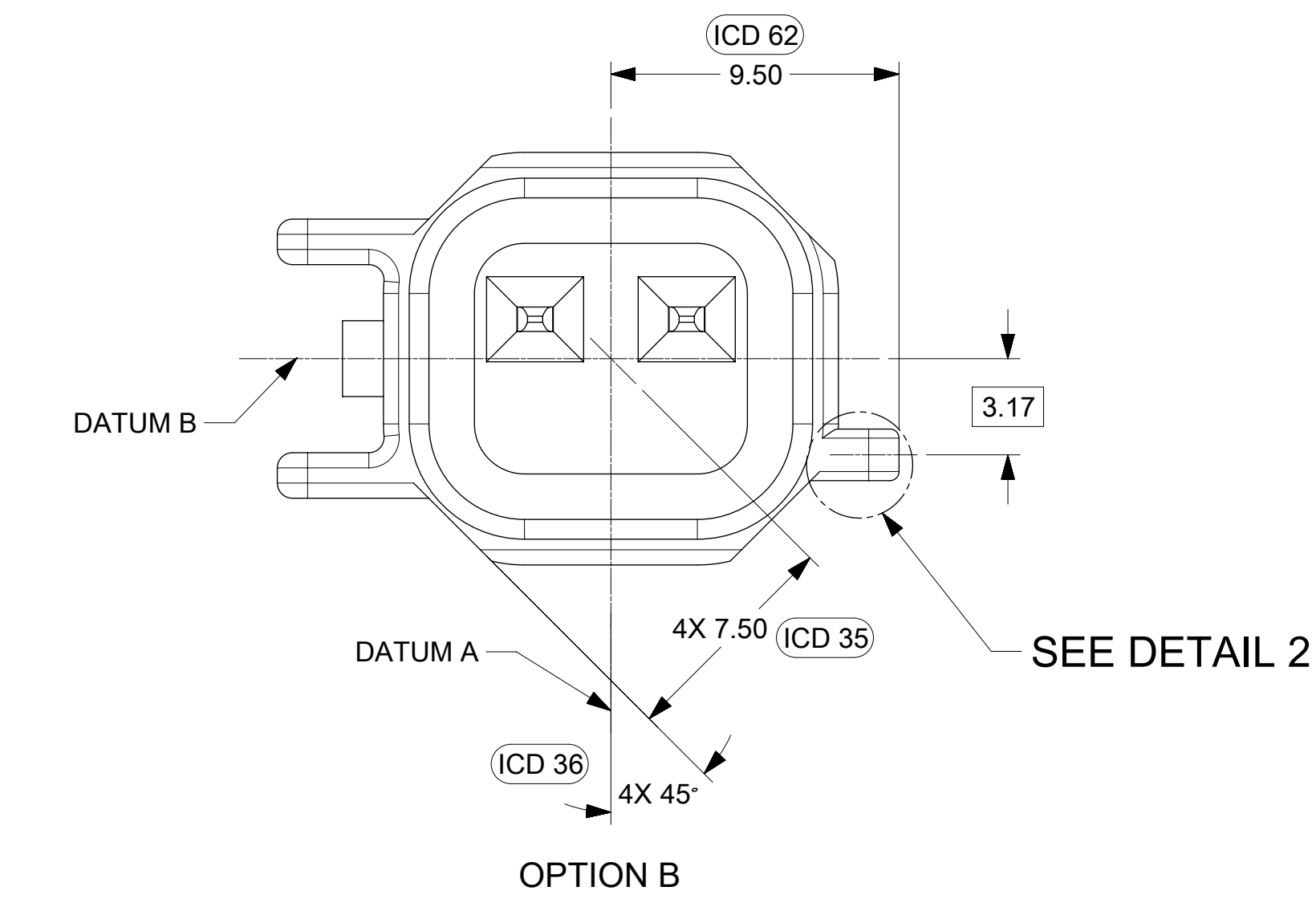
OPTIONS A, C, D
(SAME INTERFACE)



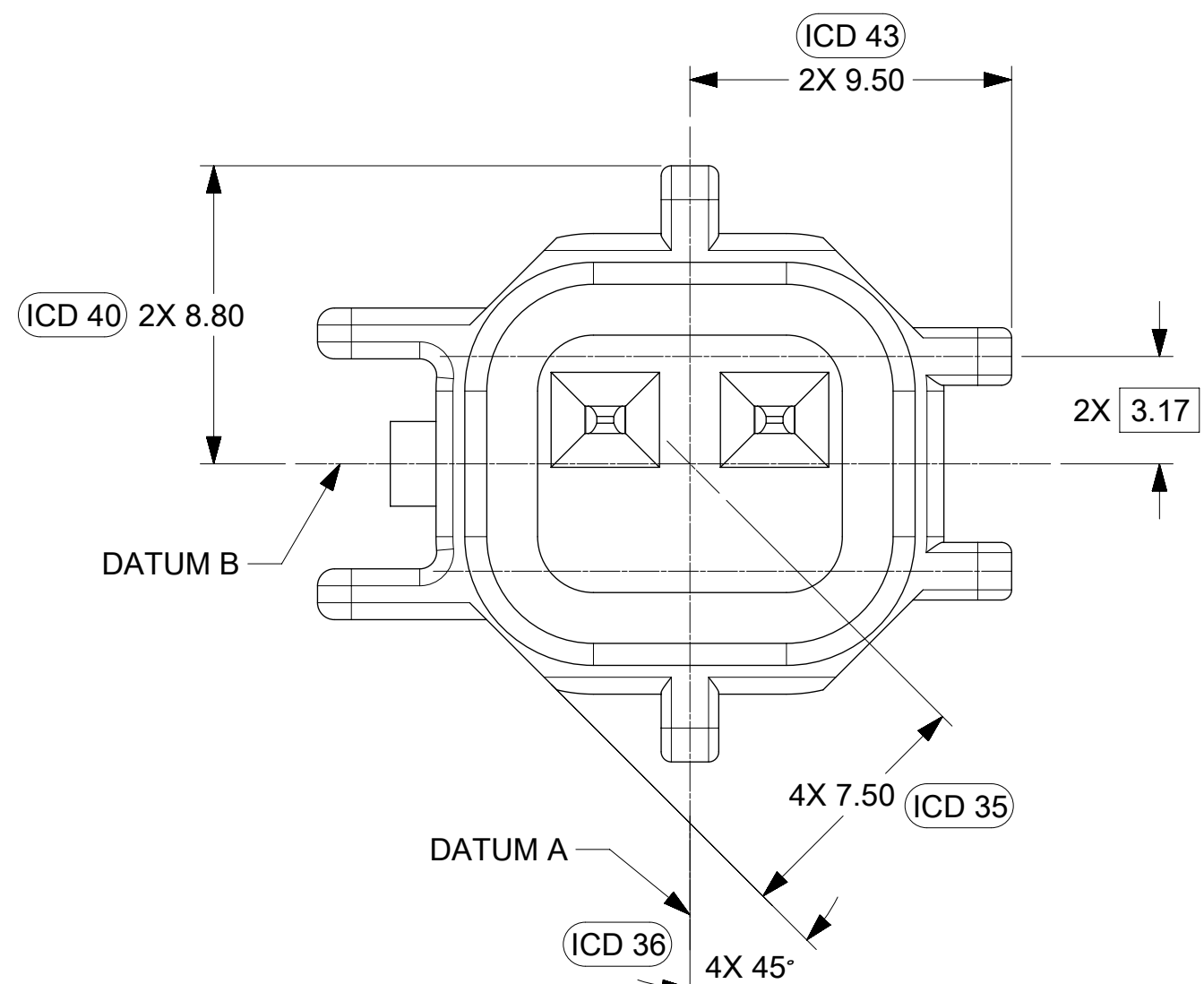
OPTION G



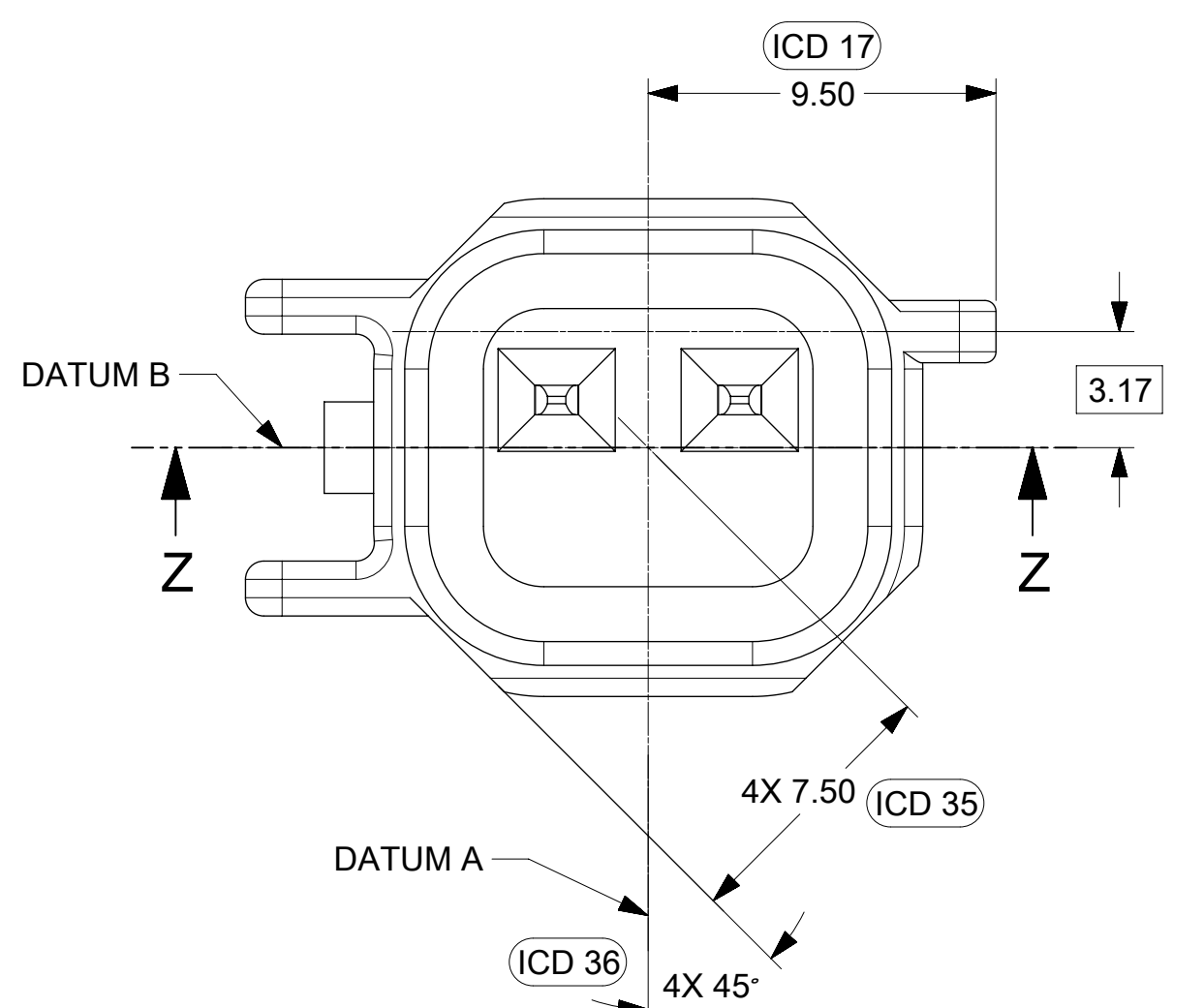
OPTION H



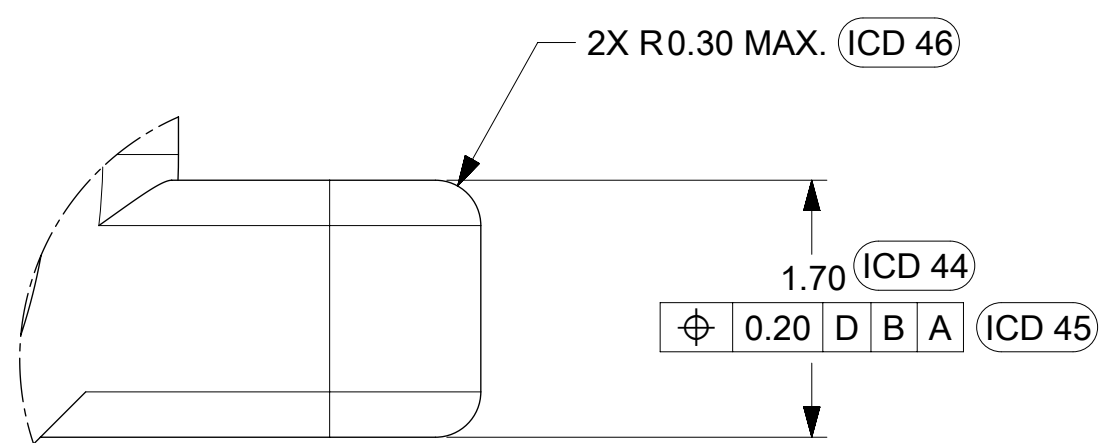
OPTION B



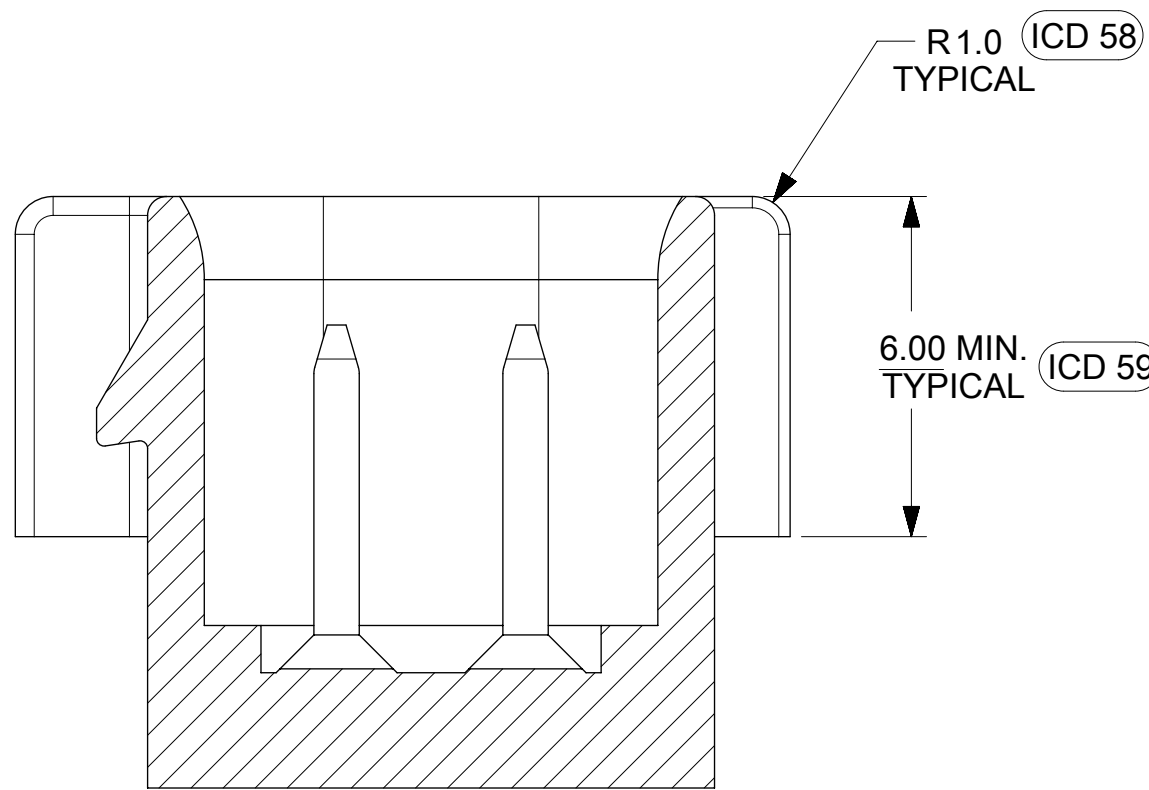
OPTION E



OPTION F

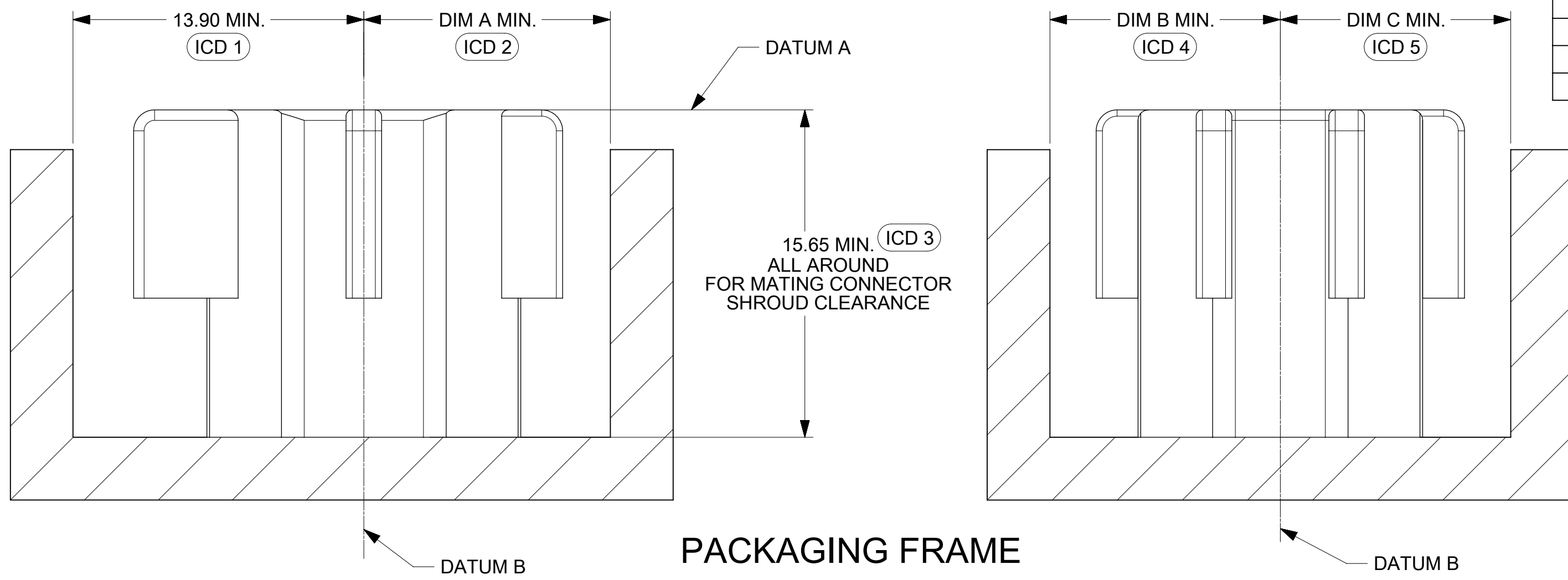


DETAIL 2
SCALE 20:1
TYPICAL
SEE KEYING OPTIONS VIEWS FOR POSITIONS



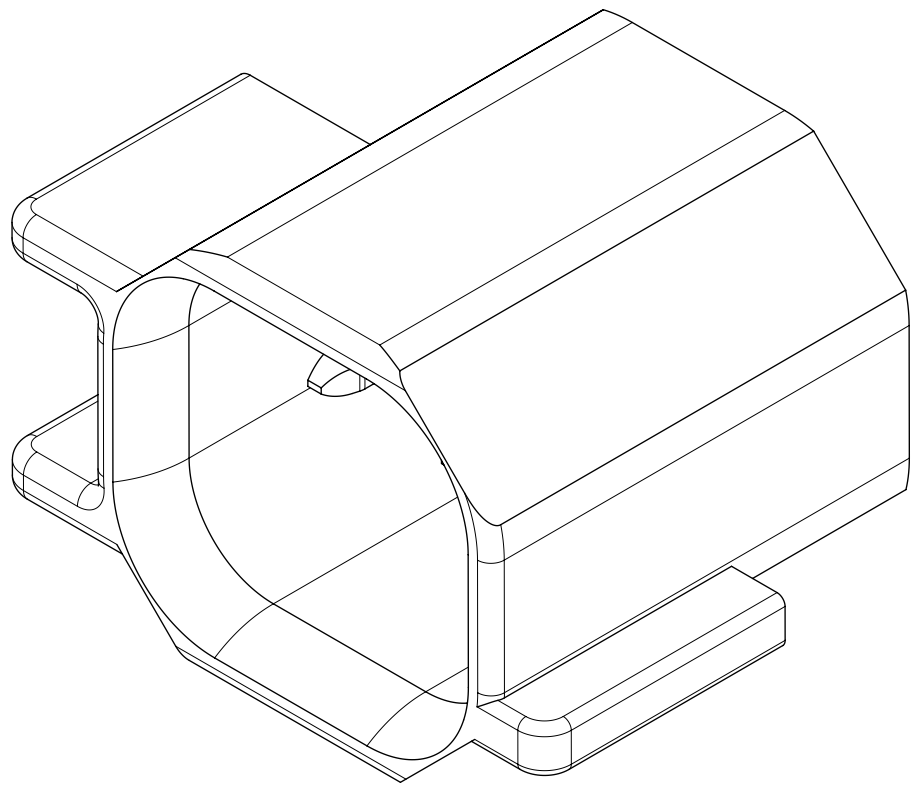
SECTION Z-Z
SEE KEYING OPTION VIEWS FOR POSITIONS

IF A HEADER IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING CONNECTOR SHROUD.

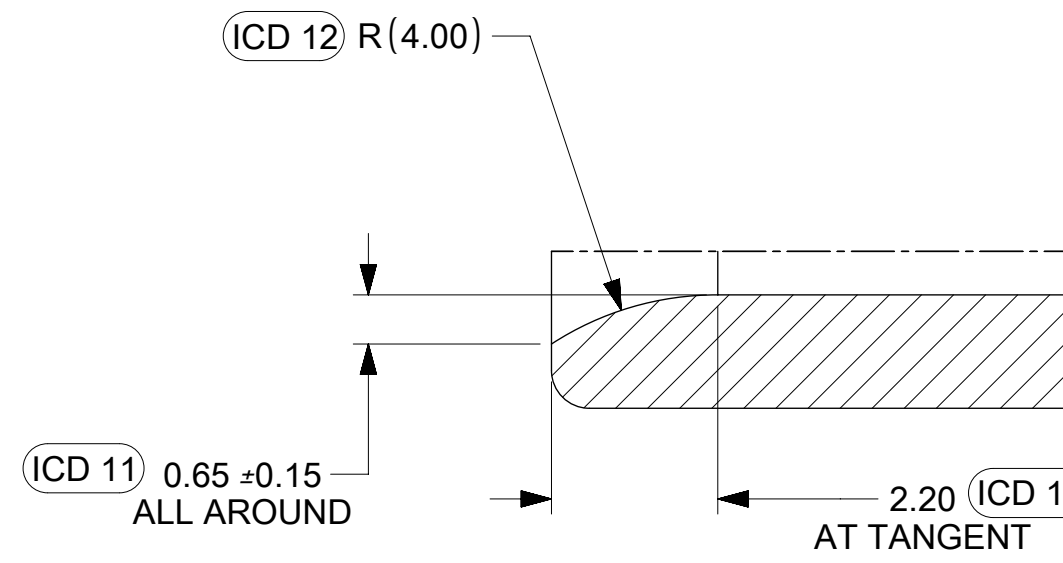


PACKAGING FRAME

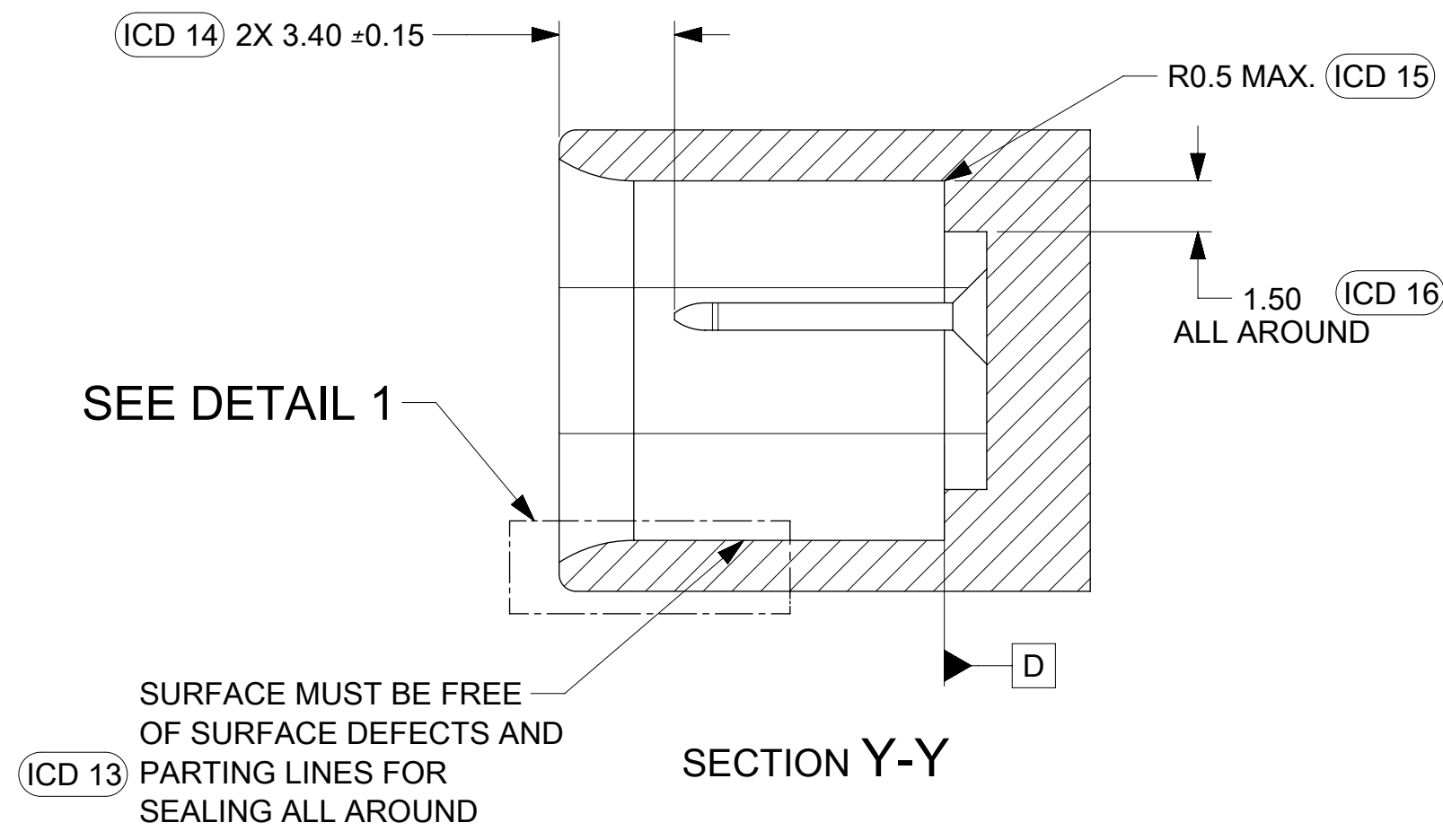
KEY OPTION	DIMENSIONS		
	DIM A	DIM B	DIM C
A, C, D	9.90	9.20	9.20
B	11.80	9.20	9.20
E	11.80	11.00	11.00
F	11.80	9.20	9.20
G	9.90	9.20	11.00
H	9.90	11.00	9.20



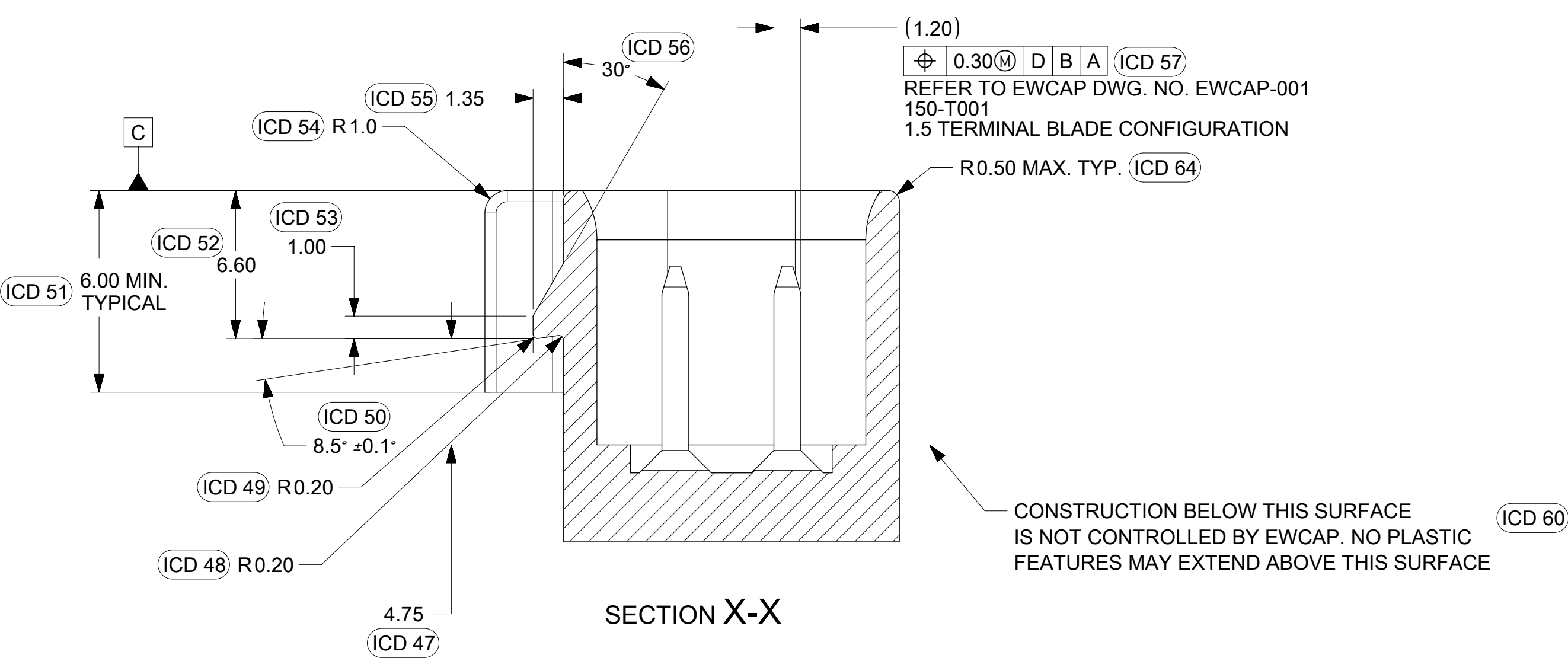
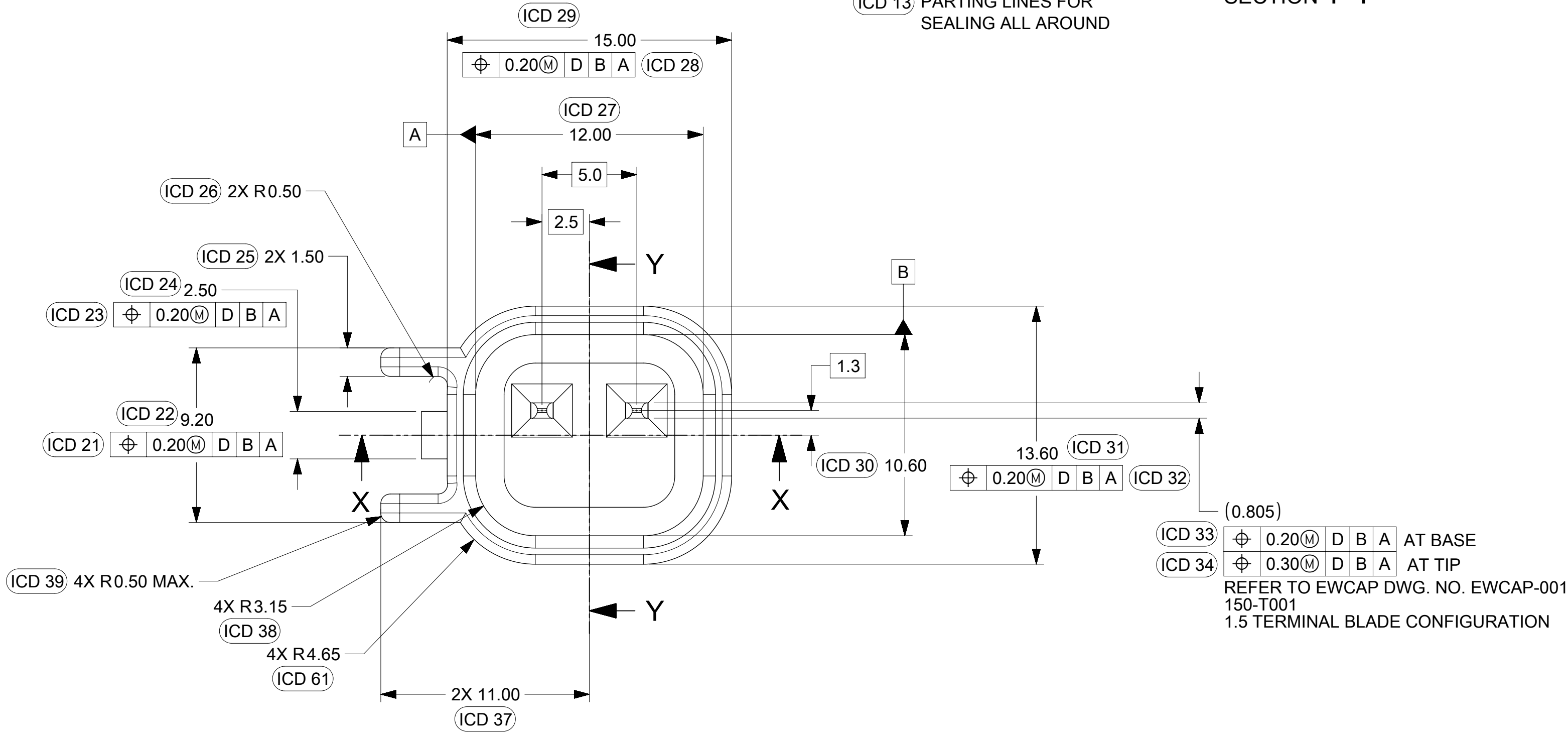
OPTION B



DETAIL 1
SCALE 10:1



SECTION Y-Y



SECTION X-X

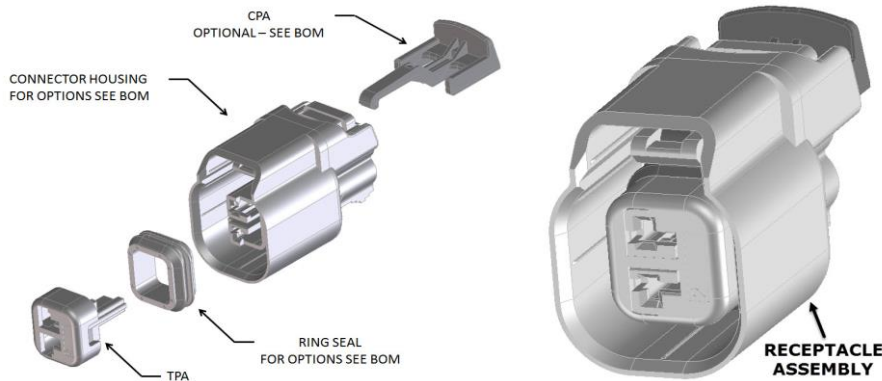
NOTES: UNLESS OTHERWISE SPECIFIED

- 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.

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	
OPTION	COLOR	SIMILAR TO AFL DRAWING R63461 (OPTION GEOMETRY IDENTICAL)	COMMENTS
RELEASE STATUS	RELEASE DATE		

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

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.uscartcams.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		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		2		SALEABLE	PREFERRED, FULLY SHROUDED	
OPTION F, LIGHT GRAY, W/O CPA	34062-0042	F-LG	TPA		R4	-40° C TO 155° C		2		SALEABLE	PREFERRED, FULLY SHROUDED	
OPTION G, BLACK, W/O CPA	34062-0043	G-BLK	TPA		R4	-40° C TO 155° C		2		SALEABLE	PREFERRED, FULLY SHROUDED	
OPTION E, BLACK, W/ CPA	34062-0044	E-BLK	TPA	CPA	R4	-40° C TO 155° C		2		SALEABLE	PREFERRED, FULLY SHROUDED	
OPTION F, LIGHT GRAY, W/ CPA	34062-0045	F-LG	TPA	CPA	R4	-40° C TO 155° C		2		SALEABLE	PREFERRED, FULLY SHROUDED	
OPTION G, BLACK, W/ CPA	34062-0046	G-BLK	TPA	CPA	R4	-40° C TO 155° C		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	</