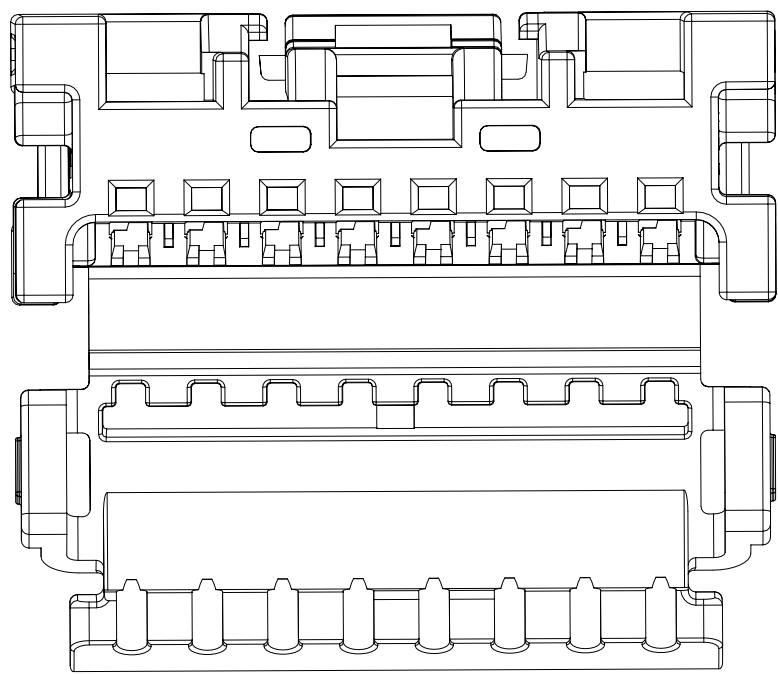
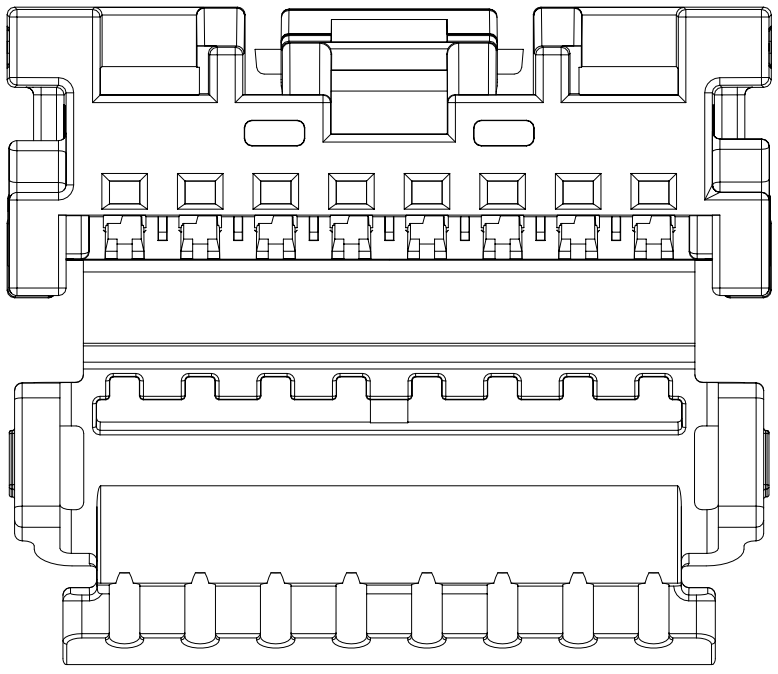
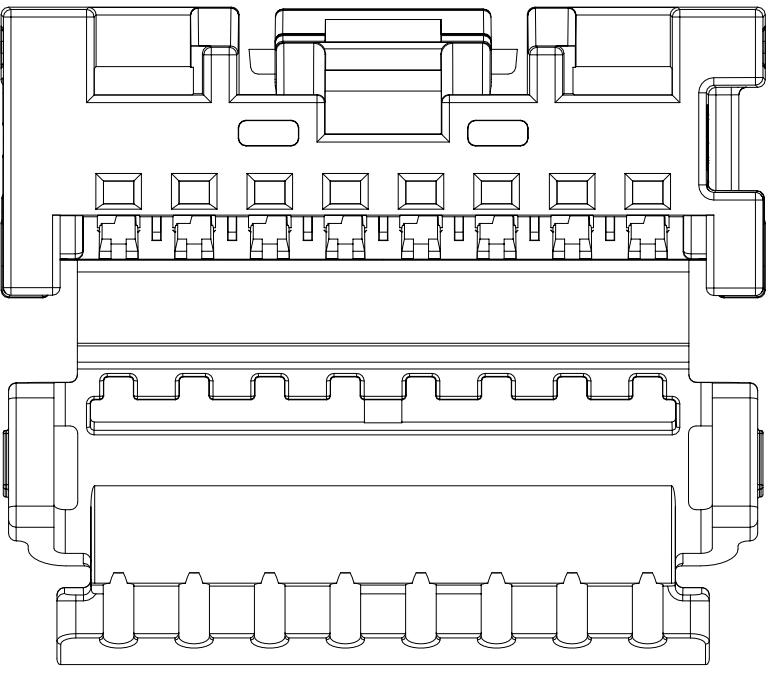




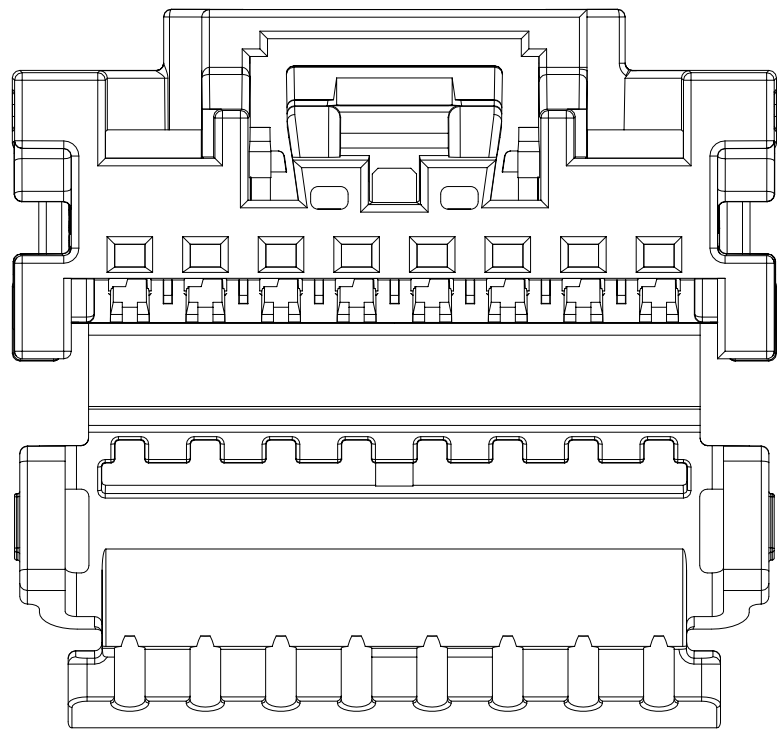
8 CIRCUIT RECEPTACLE NO BRIDGE
POLARIZATION OPTION A



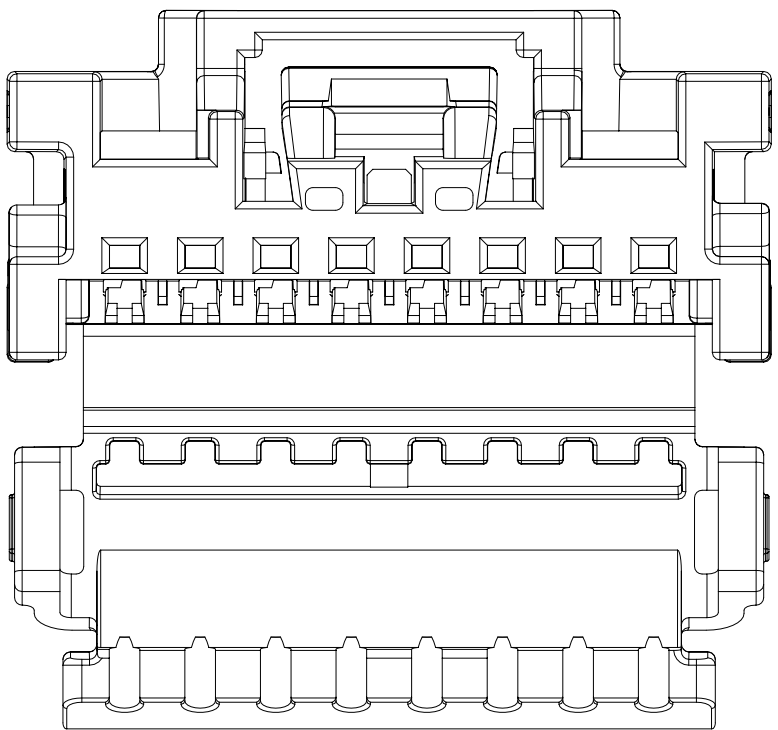
8 CIRCUIT RECEPTACLE NO BRIDGE
POLARIZATION OPTION B



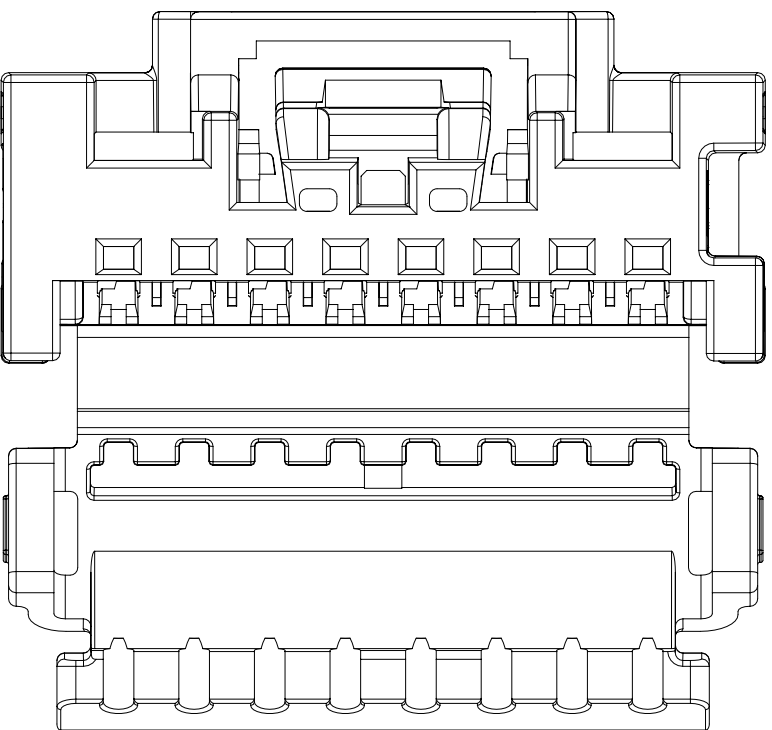
8 CIRCUIT RECEPTACLE NO BRIDGE
POLARIZATION OPTION C



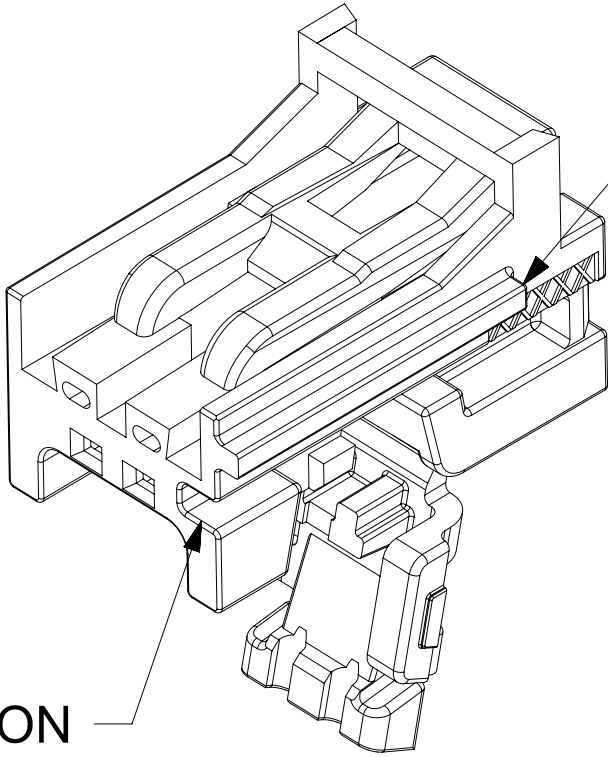
8 CIRCUIT RECEPTACLE BRIDGED
POLARIZATION OPTION A



8 CIRCUIT RECEPTACLE BRIDGED
POLARIZATION OPTION B



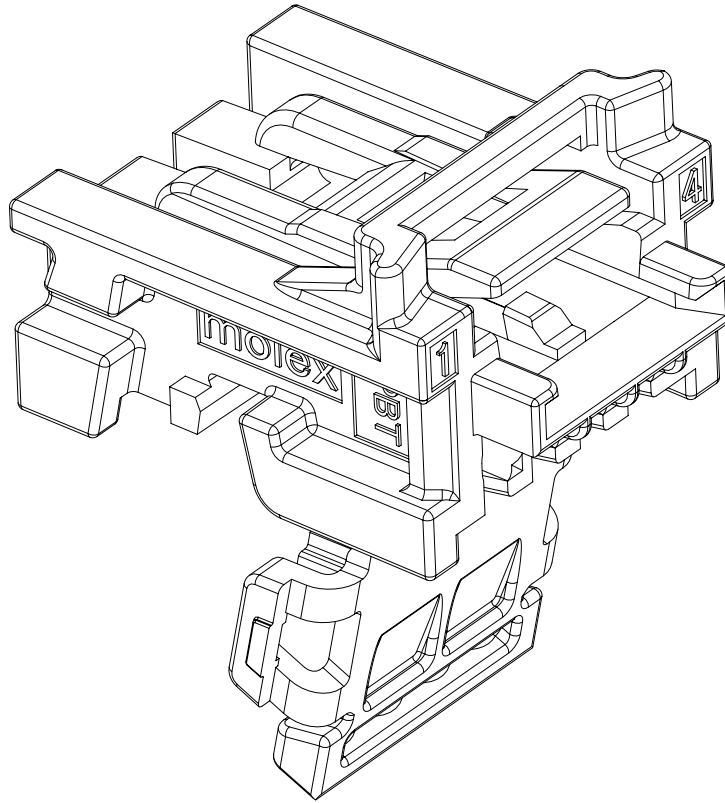
8 CIRCUIT RECEPTACLE BRIDGED
POLARIZATION OPTION C



2 CIRCUIT RECEPTACLE SHOWN
(AS SHIPPED)

POLARIZATION
FEATURE
LOCATION

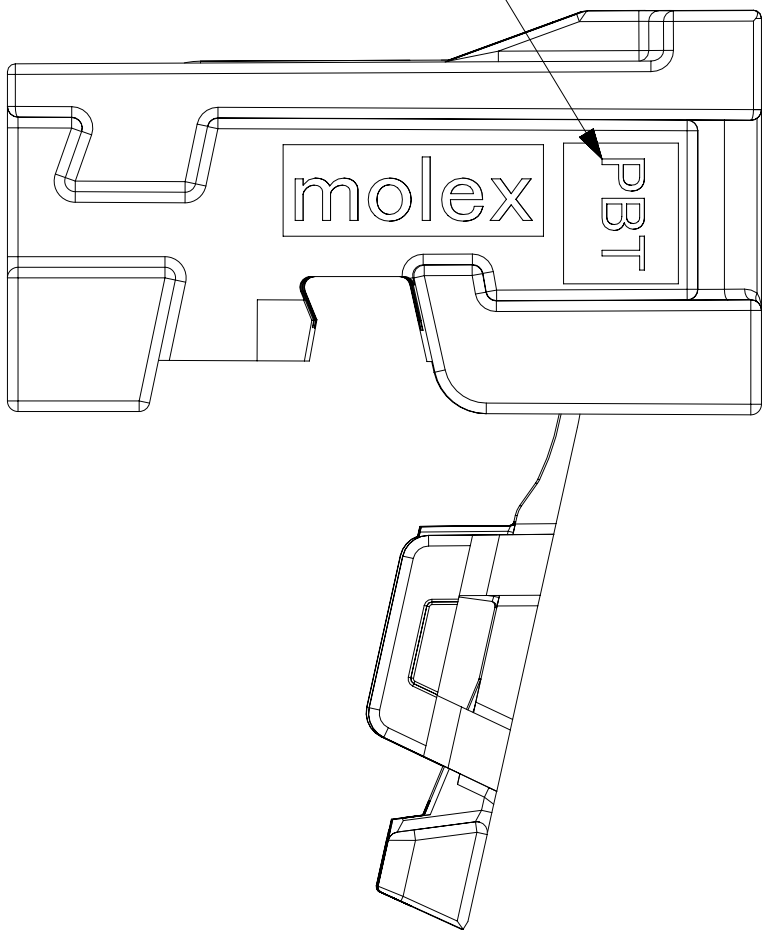
POLARIZATION
FEATURE
LOCATION



4 CIRCUIT RECEPTACLE SHOWN
(AS SHIPPED)

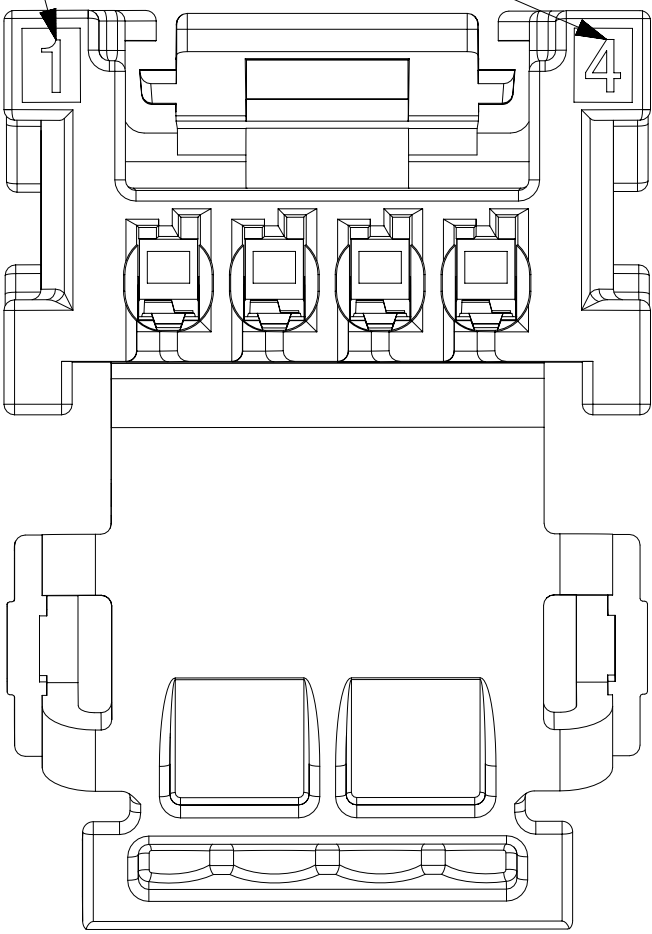
MINI50 WITH BRIDGE OPTION
COMES WITH CPA TRAY
REFER TO SD-34824-003 FOR
CPA-RECEPTACLE ASSEMBLIES

RECYCLING CODE

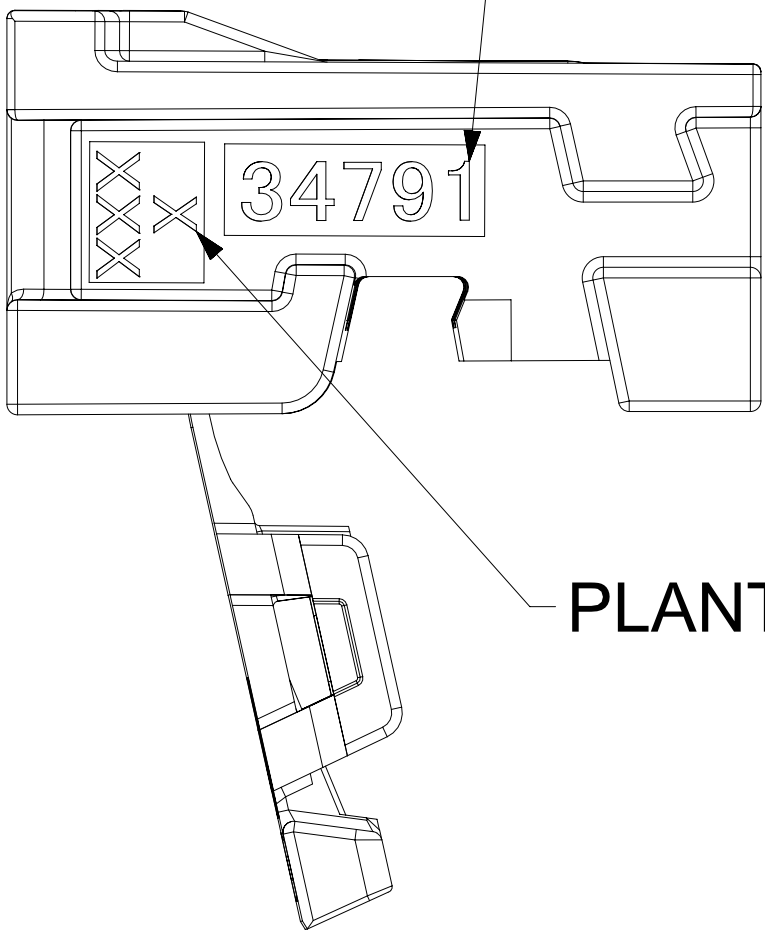


SCALE 7:1

CIRCUIT ID



PART SERIES NUMBER



PLANT CODE & CAVITY ID

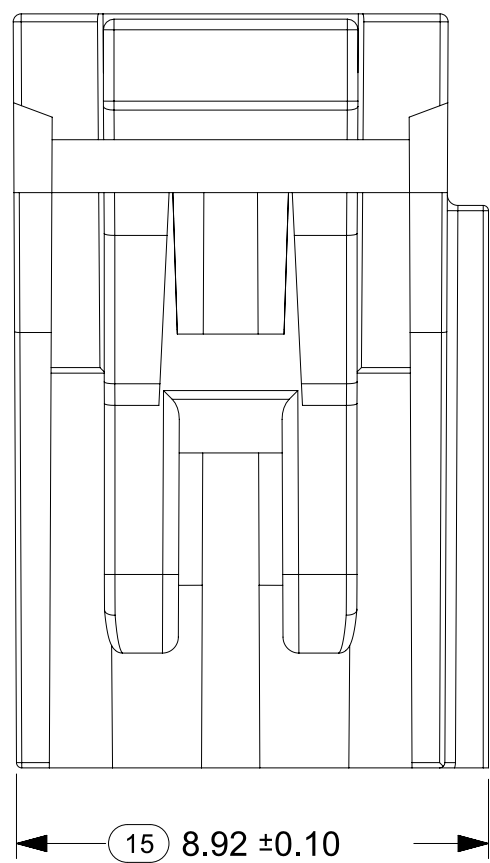
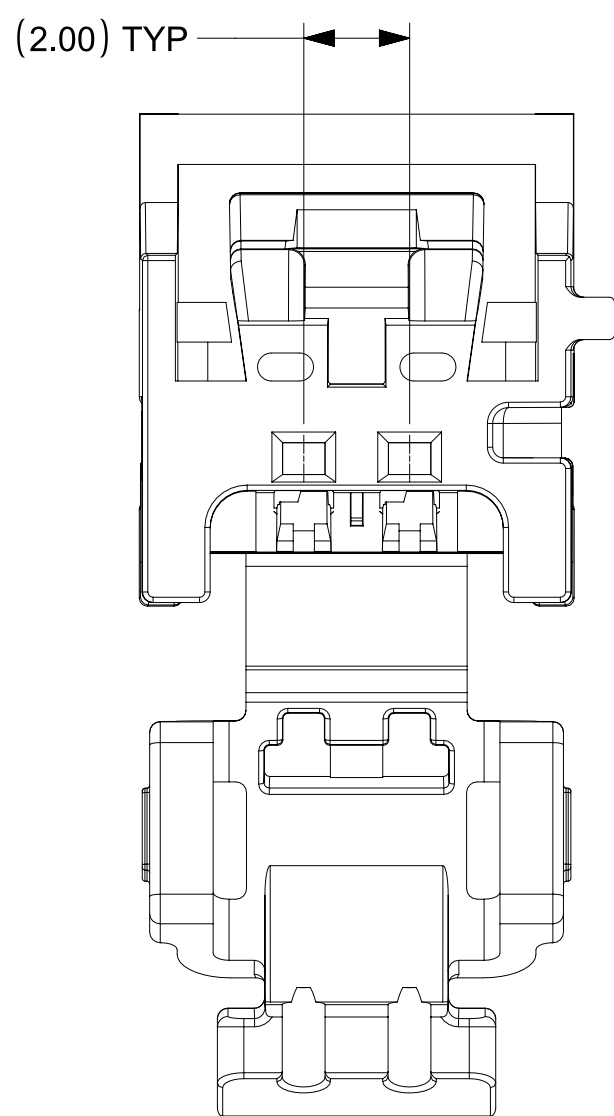
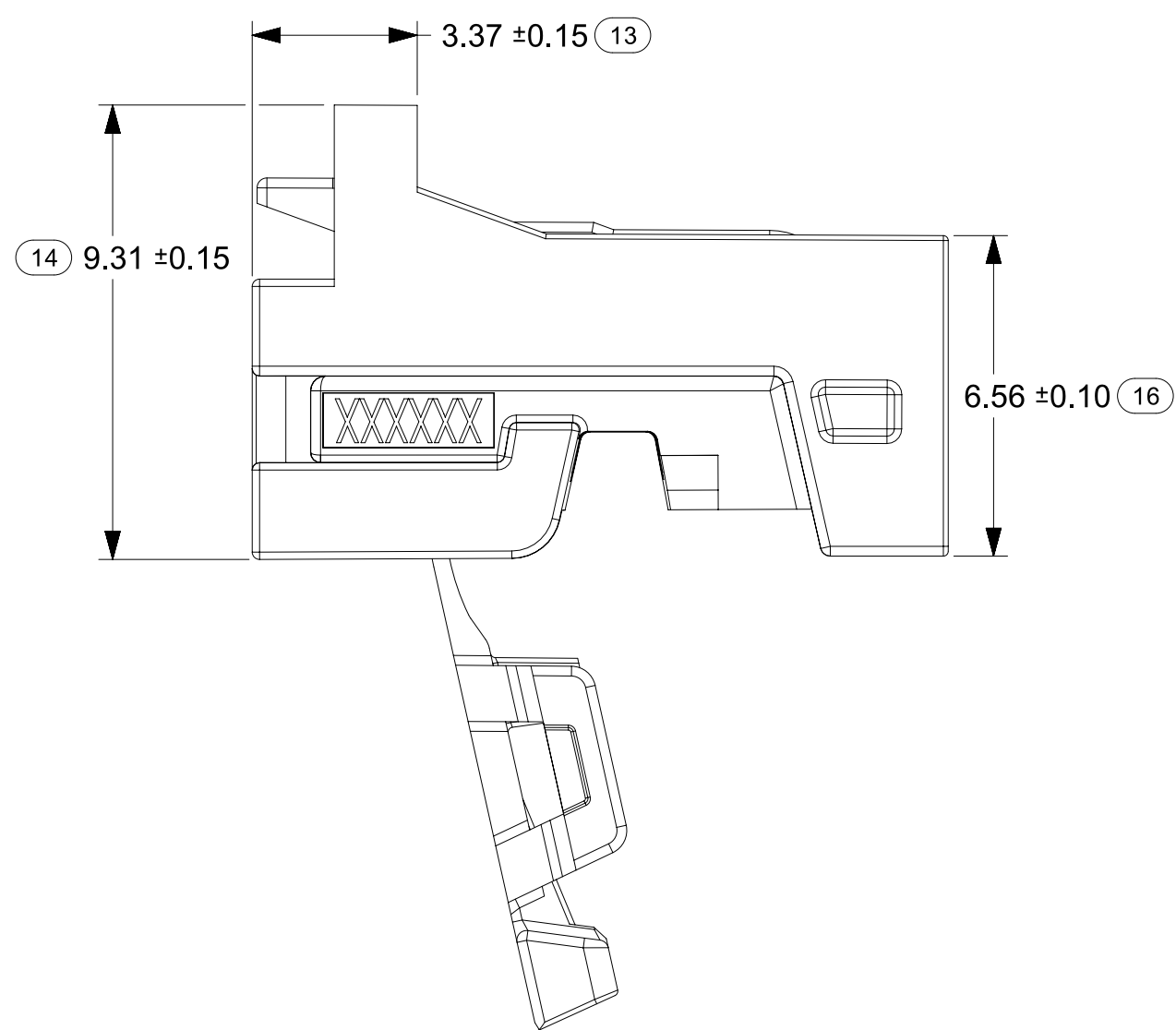
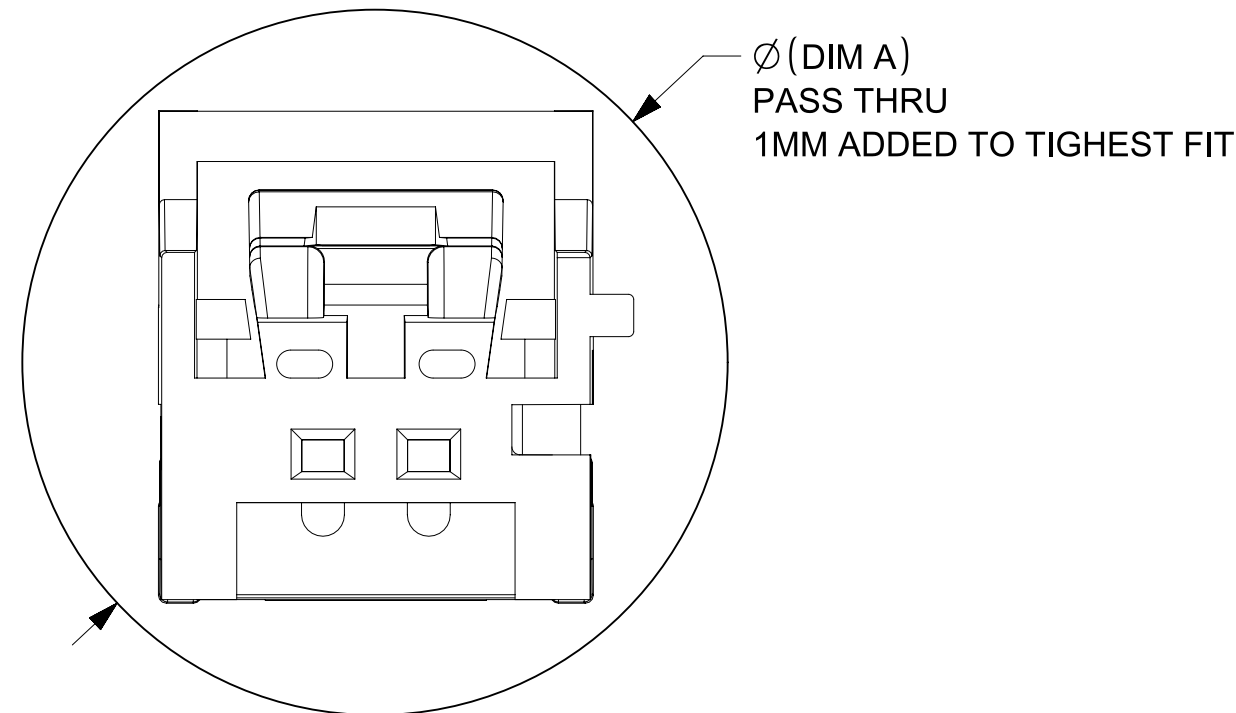
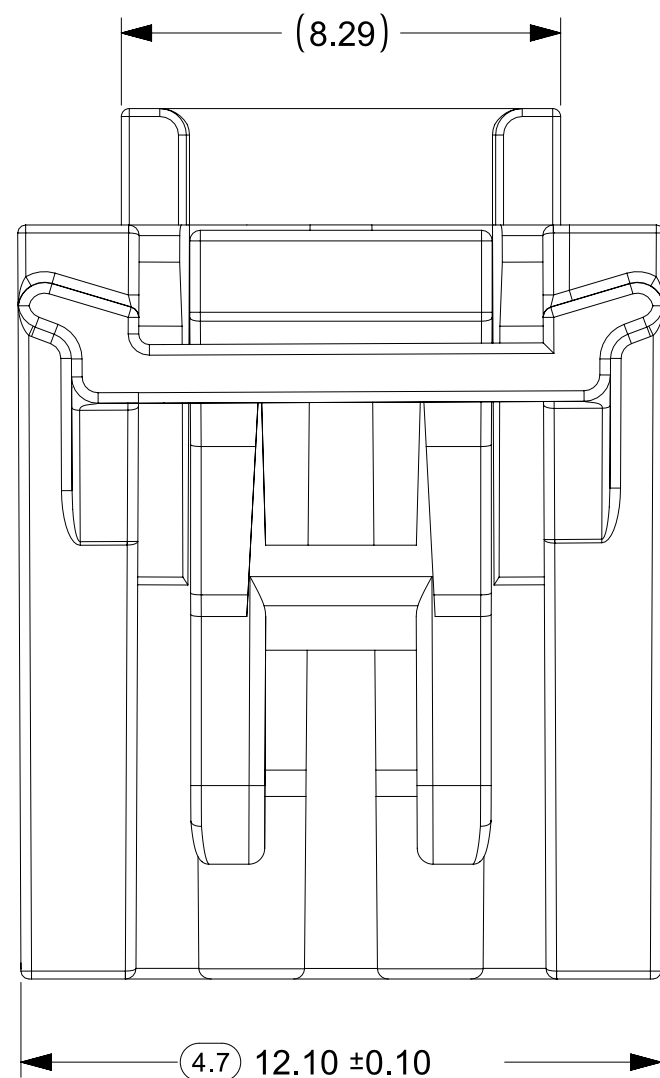
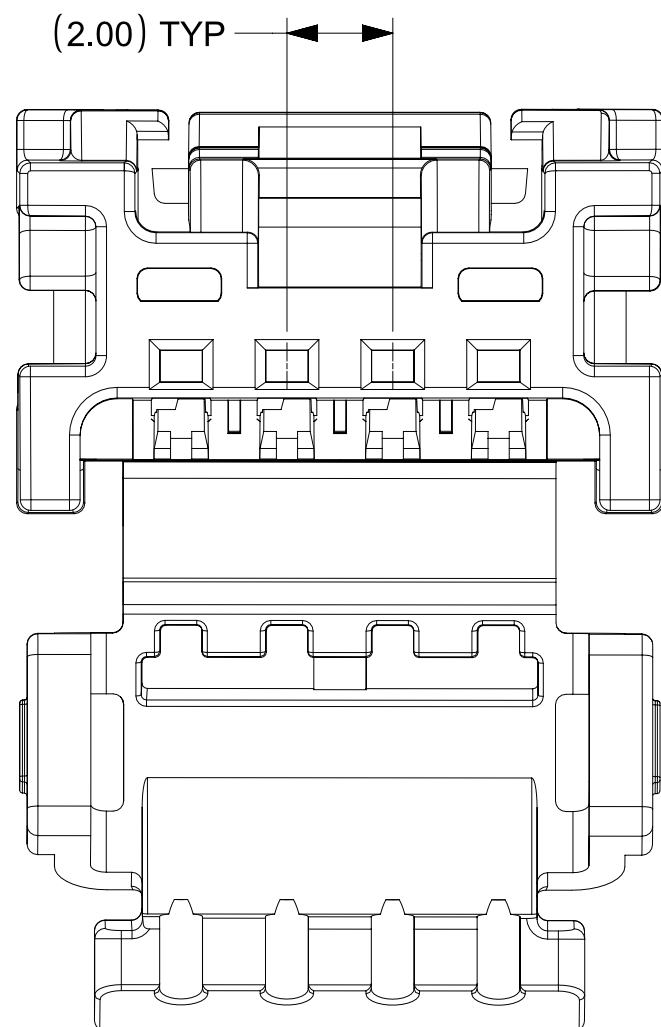
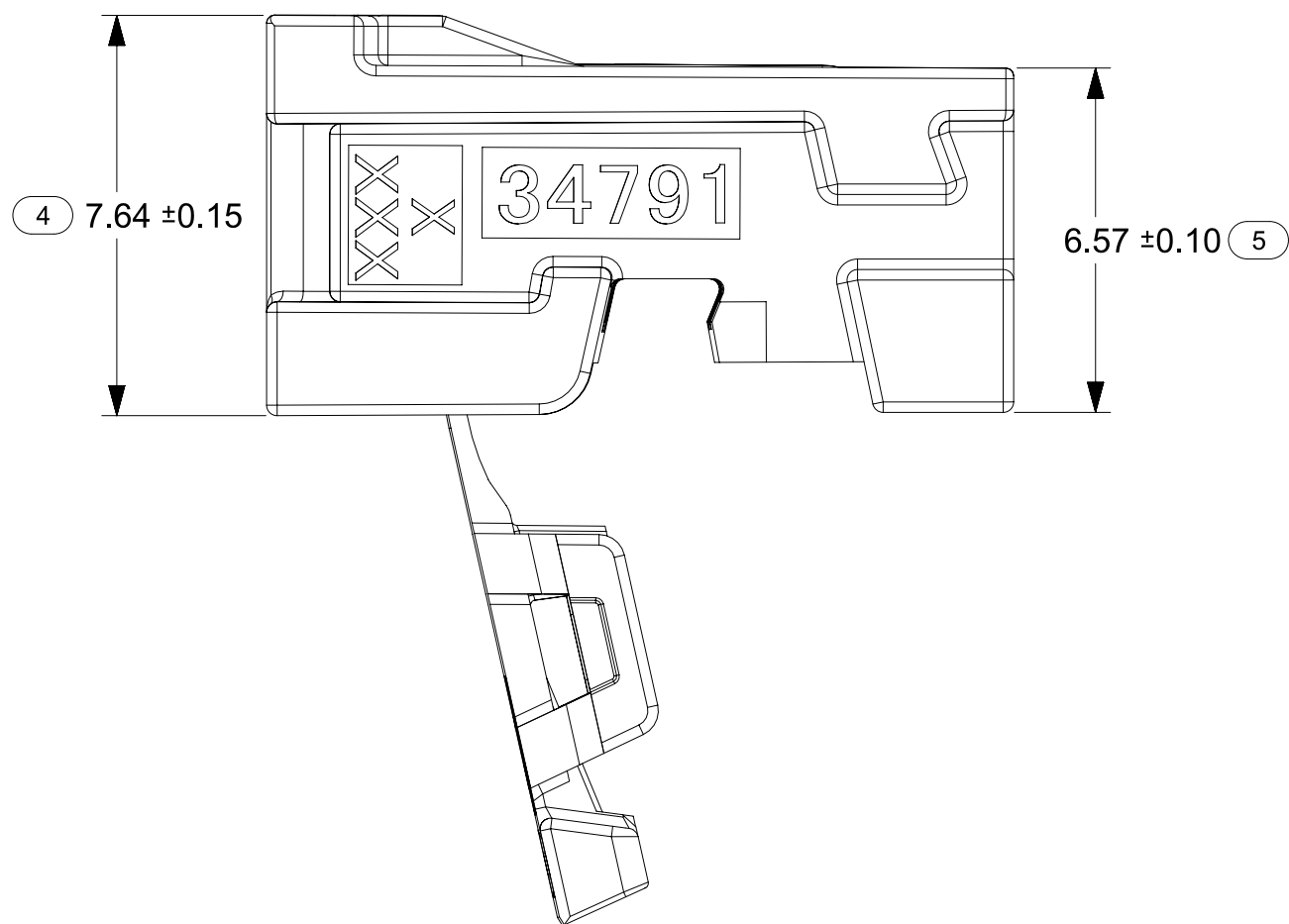
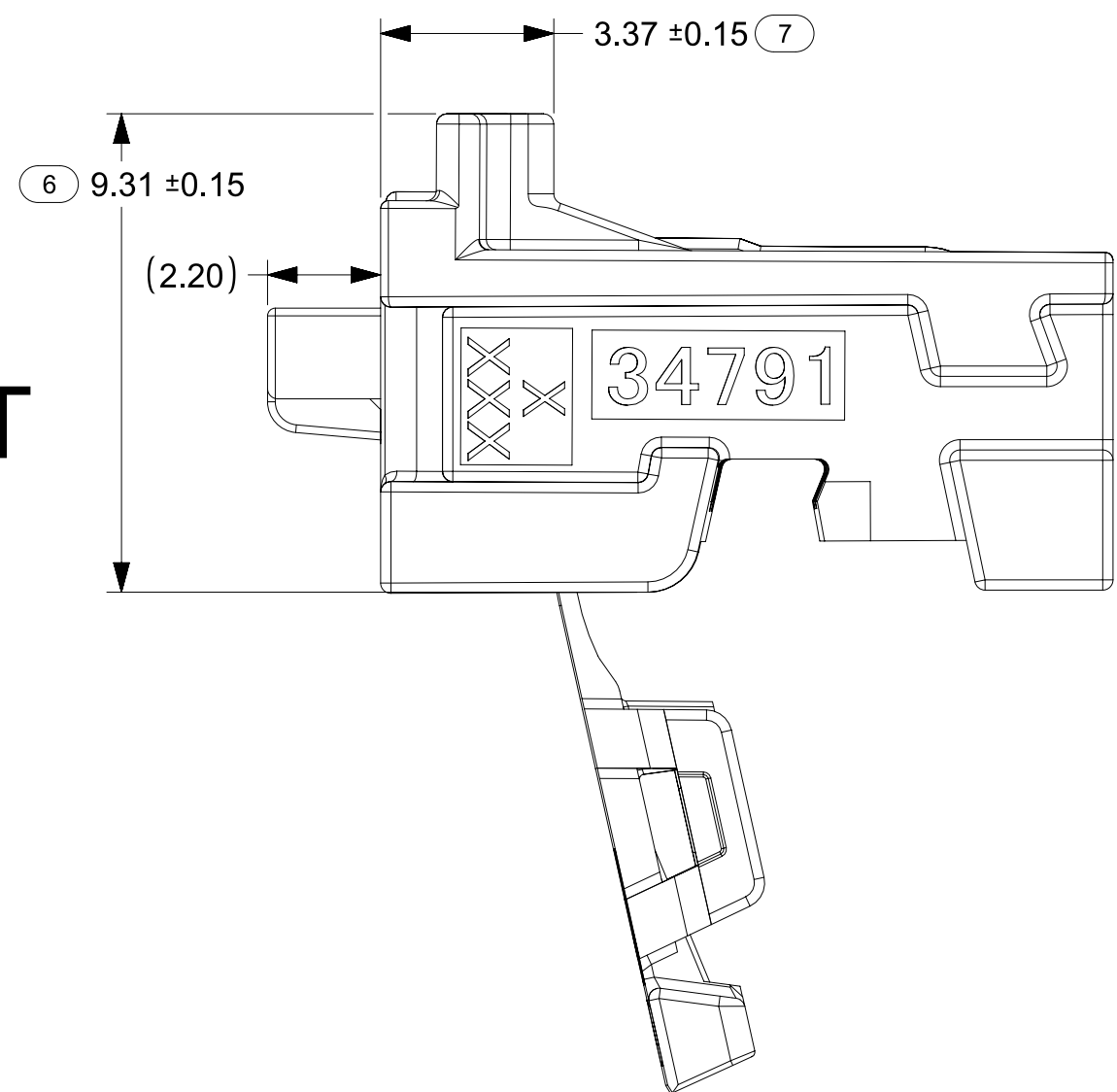
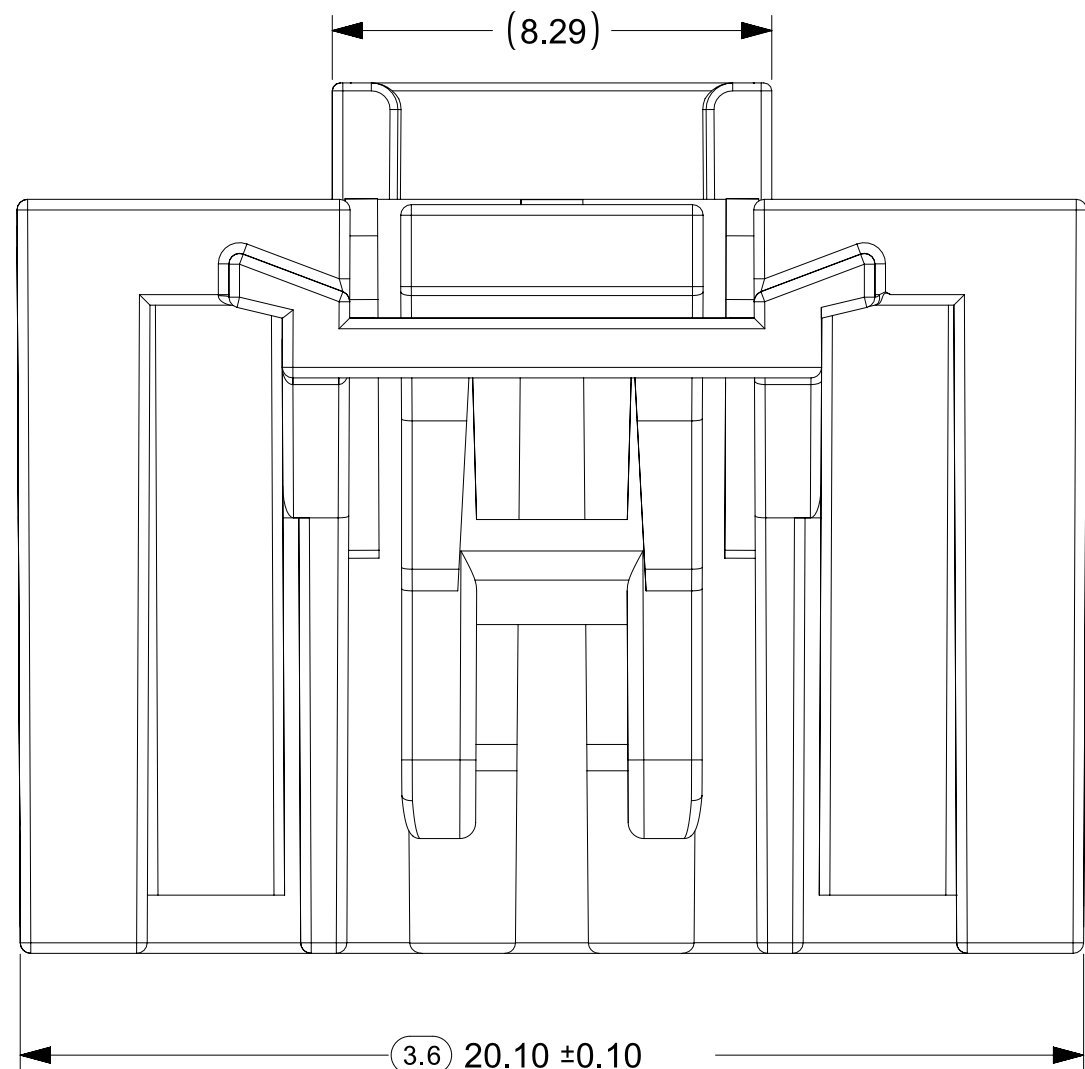
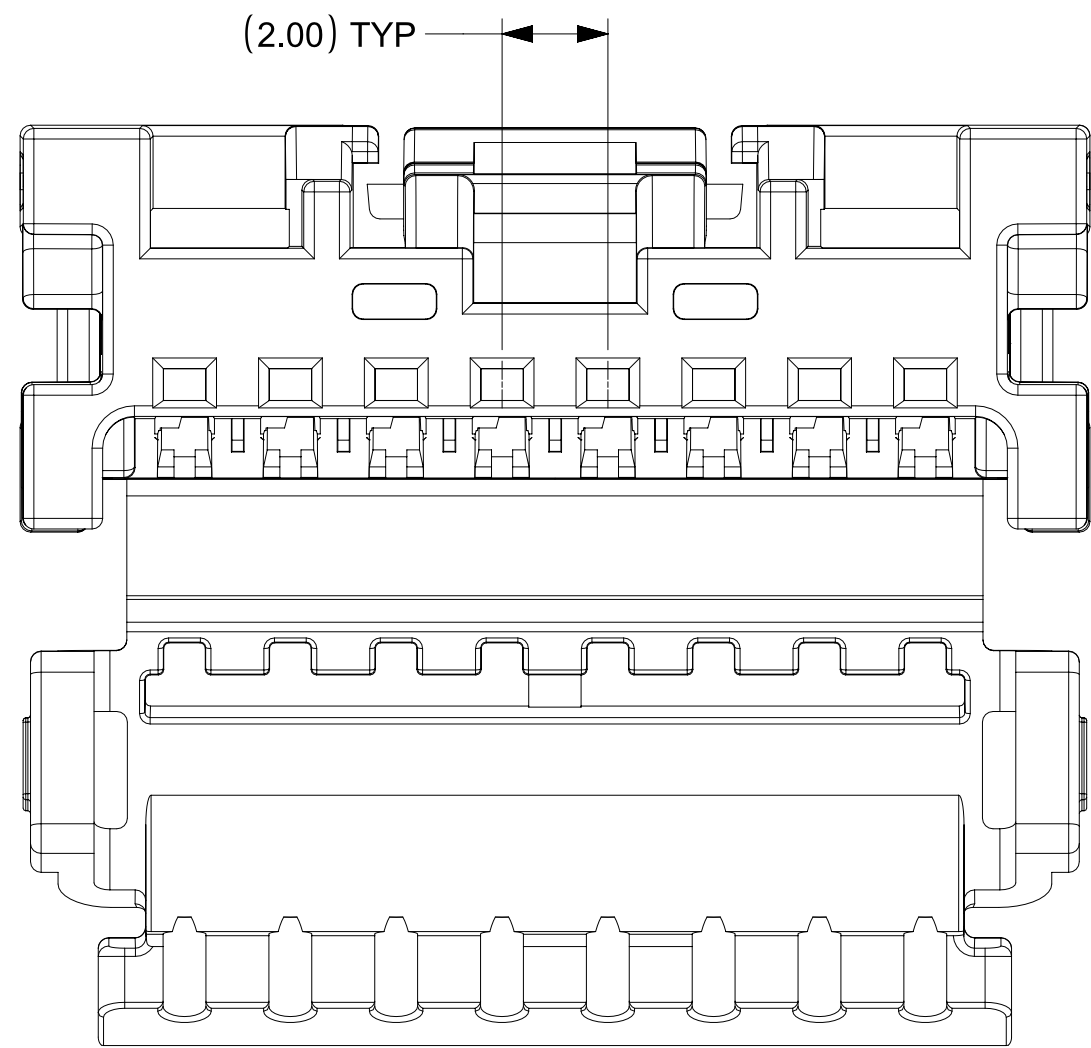
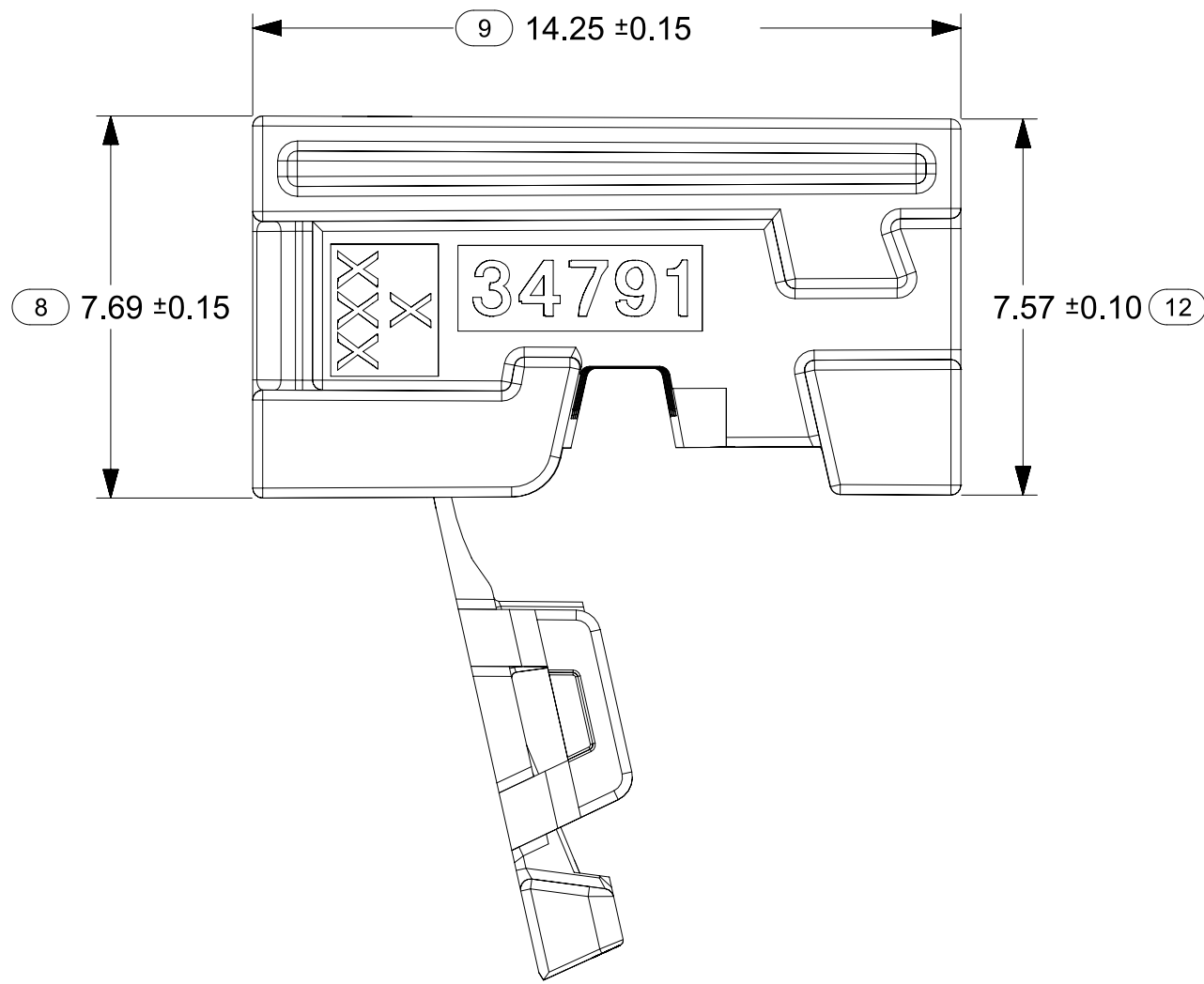
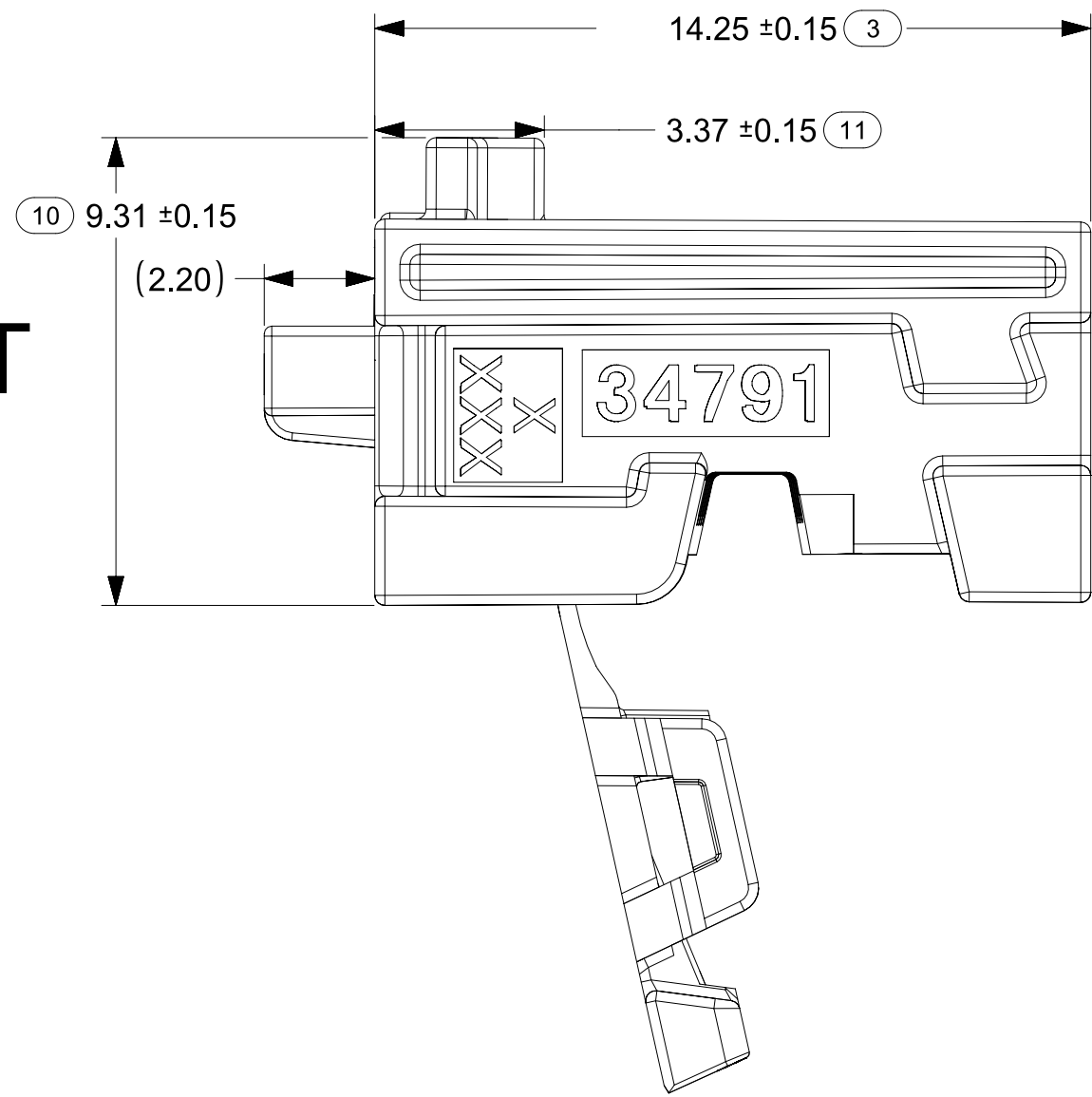
SCALE 7:1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FUNCTIONAL SYMBOLS A = 0 C = 0 P = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex MINI50 SINGLE ROW RECEPTACLE SALES DWG							
	MM		5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT SALES DRAWING										
	ANGULAR TOL ± 0.5°				DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION					
	4 PLACES		±		SD-34791-001		PSD		000		L8				
	3 PLACES		±												
	2 PLACES		±												
	1 PLACE		±												
0 PLACES		±		STATUS: Production		2023-10-20		2023-10-25		2023-10-30					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		34791				GENERAL MARKET		2 OF 4	

8 CIRCUIT

4 CIRCUIT

2 CIRCUIT



FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
F = 0 F = 0 F P = 0 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: 					

MINI50 RECEPTACLES

MATERIAL NUMBER BULK PACKAGING PK-31301-538	LOCK BRIDGE OPTION	CONFIGURATION	CIRCUIT	POL	COLOR	DIM A	MATING COMPONENT									
							SURFACE MOUNT TECHNOLOGY (SMT) HEADER-TIN		SURFACE MOUNT TECHNOLOGY (SMT) HEADER-GOLD		VERTICAL THRU HOLE HEADER			RIGHT ANGLE THRU HOLE HEADERS		
							TAPE AND REEL PACKAGING PK-31301-786	TUBE PACKAGING PK-31301-688	TAPE AND REEL PACKAGING PK-31301-786	TUBE PACKAGING PK-31301-688	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TAPE AND REEL PACKAGING PK-47799-0001	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TAPE AND REEL PACKAGING PK-47799-0001
34791-0040	NO	USCAR COMPATIBLE	4	A	BLACK	15.26	34912-8040	34912-9040	34912-6040	34912-5040	34792-0040	34792-9040	34792-8040	34793-0040	34793-9040	34793-8040
34791-0041	NO	USCAR COMPATIBLE	4	B	GRAY		34912-8041	34912-9041	34912-6041	34912-5041	34792-0041	34792-9041	34792-8041	34793-0041	34793-9041	34793-8041
34791-0042	NO	USCAR COMPATIBLE	4	C	DARK GRAY		34912-8042	34912-9042	34912-6042	34912-5042	34792-0042	34792-9042	34792-8042	34793-0042	34793-9042	34793-8042
34791-0043	NO	USCAR COMPATIBLE	4	D	GREEN		34912-8043	34912-9043	34912-6043	34912-5043	34792-0043	34792-9043	34792-8043	34793-0043	34793-9043	34793-8043
34791-0080	NO	USCAR COMPATIBLE	8	A	BLACK	22.52	34912-8080	34912-9080	34912-6080	34912-5080	34792-0080	34792-9080	34792-8080	34793-0080	34793-9080	34793-8080
34791-0081	NO	USCAR COMPATIBLE	8	B	GRAY		34912-8081	34912-9081	34912-6081	34912-5081	34792-0081	34792-9081	34792-8081	34793-0081	34793-9081	34793-8081
34791-0082	NO	USCAR COMPATIBLE	8	C	DARK GRAY		34912-8082	34912-9082	34912-6082	34912-5082	34792-0082	34792-9082	34792-8082	34793-0082	34793-9082	34793-8082
34791-0140	YES	USCAR COMPATIBLE	4	A	BLACK		34912-8040	34912-9040	34912-6040	34912-5040	34792-0040	34792-9040	34792-8040	34793-0040	34793-9040	34793-8040
34791-0141	YES	USCAR COMPATIBLE	4	B	GRAY	16.09	34912-8041	34912-9041	34912-6041	34912-5041	34792-0041	34792-9041	34792-8041	34793-0041	34793-9041	34793-8041
34791-0142	YES	USCAR COMPATIBLE	4	C	DARK GRAY		34912-8042	34912-9042	34912-6042	34912-5042	34792-0042	34792-9042	34792-8042	34793-0042	34793-9042	34793-8042
34791-0143	YES	USCAR COMPATIBLE	4	D	GREEN		34912-8043	34912-9043	34912-6043	34912-5043	34792-0043	34792-9043	34792-8043	34793-0043	34793-9043	34793-8043
34791-0180	YES	USCAR COMPATIBLE	8	A	BLACK		34912-8080	34912-9080	34912-6080	34912-5080	34792-0080	34792-9080	34792-8080	34793-0080	34793-9080	34793-8080
34791-0181	YES	USCAR COMPATIBLE	8	B	GRAY	22.52	34912-8081	34912-9081	34912-6081	34912-5081	34792-0081	34792-9081	34792-8081	34793-0081	34793-9081	34793-8081
34791-0182	YES	USCAR COMPATIBLE	8	C	DARK GRAY		34912-8082	34912-9082	34912-6082	34912-5082	34792-0082	34792-9082	34792-8082	34793-0082	34793-9082	34793-8082
34791-0020	YES	MOLEX	2	A	BLACK		34912-8020	34912-9020	34912-6020	34912-5020	N/A	N/A	N/A	N/A	N/A	N/A
34791-0021	YES	MOLEX	2	B	GRAY		34912-8021	34912-9021	34912-6021	34912-5021	N/A	N/A	N/A	N/A	N/A	N/A
34791-0022	YES	MOLEX	2	C	DARK GRAY	13.33	34912-8022	34912-9022	34912-6022	34912-5022	N/A	N/A	N/A	N/A	N/A	N/A
34791-0023	YES	MOLEX	2	D	GREEN		34912-8023	34912-9023	34912-6023	34912-5023	N/A	N/A	N/A	N/A	N/A	N/A

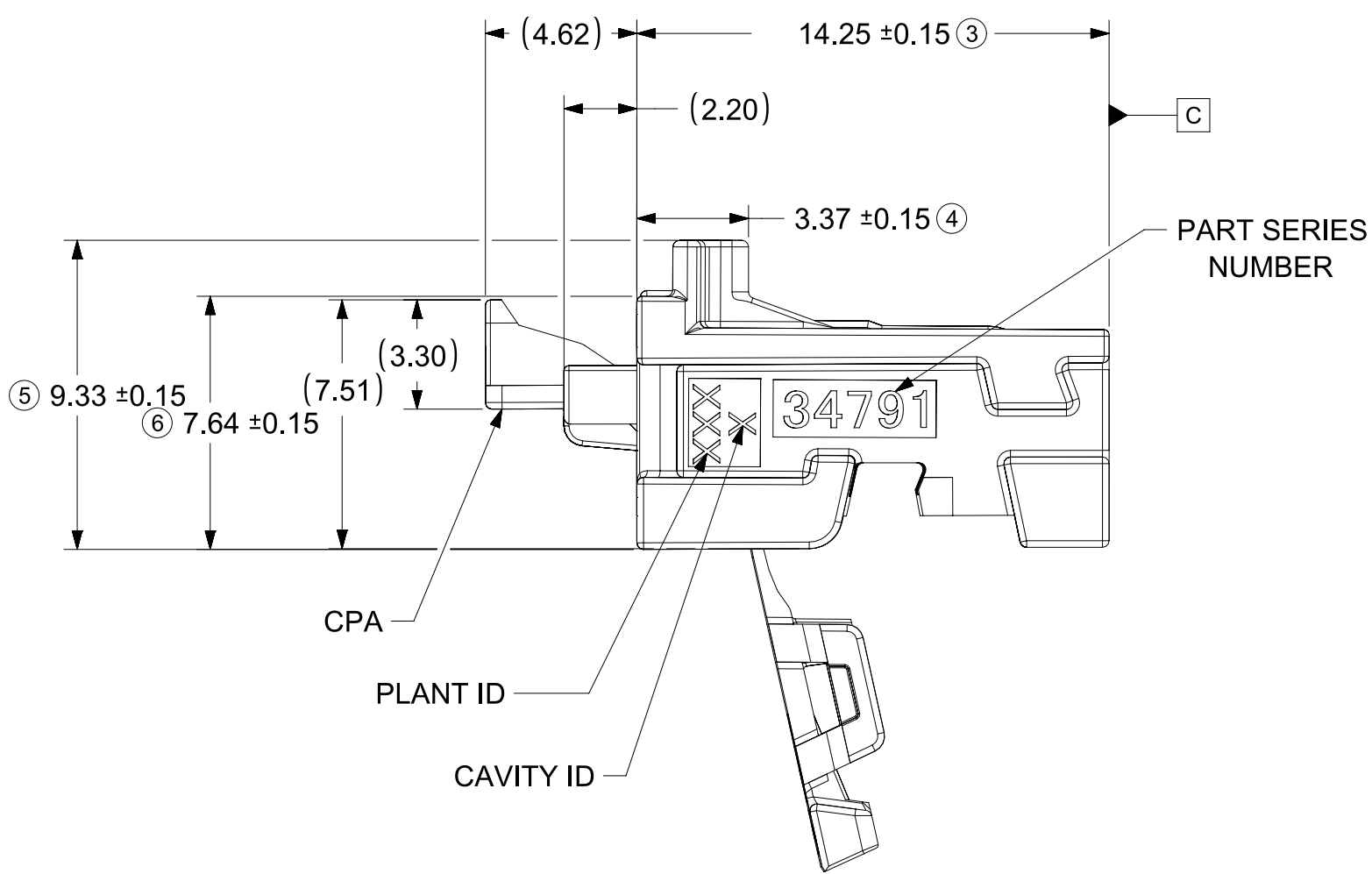
CTX50 UNSEALED RECEPTACLE TERMINALS

PART NUMBER		MATERIAL	WIRE GAGE (mm²)	GRIP	STATUS
D-WIND (LEFT PAYOFF)	B-WIND (RIGHT PAYOFF)				
560023-0448	560023-0450	COPPER ALLOY	0.35	LARGE	PLAN OBSOLESCENCE IN 2024
560023-0421	560023-0423	COPPER ALLOY	0.22	MEDIUM	PLAN OBSOLESCENCE IN 2024
560023-0444	560023-0445	COPPER ALLOY	0.13	SMALL	PLAN OBSOLESCENCE IN 2024
560023-0748	560023-0750	COPPER ALLOY	0.35	LARGE	SALEABLE
560023-0721	560023-0723	COPPER ALLOY	0.22	MEDIUM	SALEABLE
560023-0744	560023-0745	COPPER ALLOY	0.13	SMALL	SALEABLE

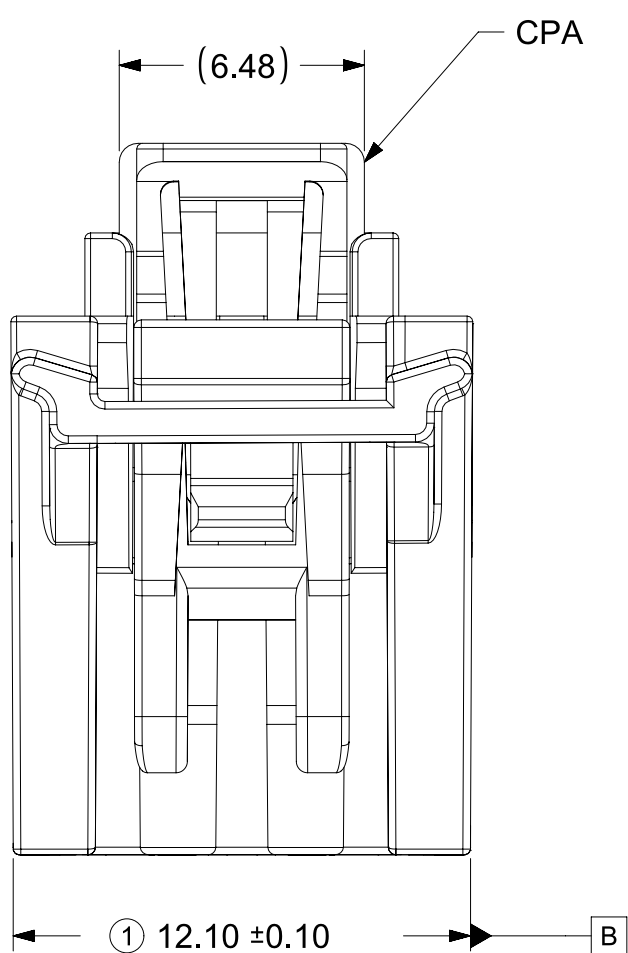
L8

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex MINI50 SINGLE ROW RECEPTACLE SALES DWG							
	MM		7:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL		± 0.5°												
	4 PLACES		±					PRODUCT SALES DRAWING							
	3 PLACES		±												
	2 PLACES		±												
	1 PLACE		±												
	0 PLACES		±												
	STATUS: Production							2023-10-20		DOCUMENT NUMBER		DOC TYPE		DOC PART	
DRWN: Yann Chen				2023-10-25		SD-34791-001		PSD		000		L8			
CHK'D: Gang Li				2023-10-30											
APPR: Colin Zhang															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		34791				GENERAL MARKET		4 OF 4	

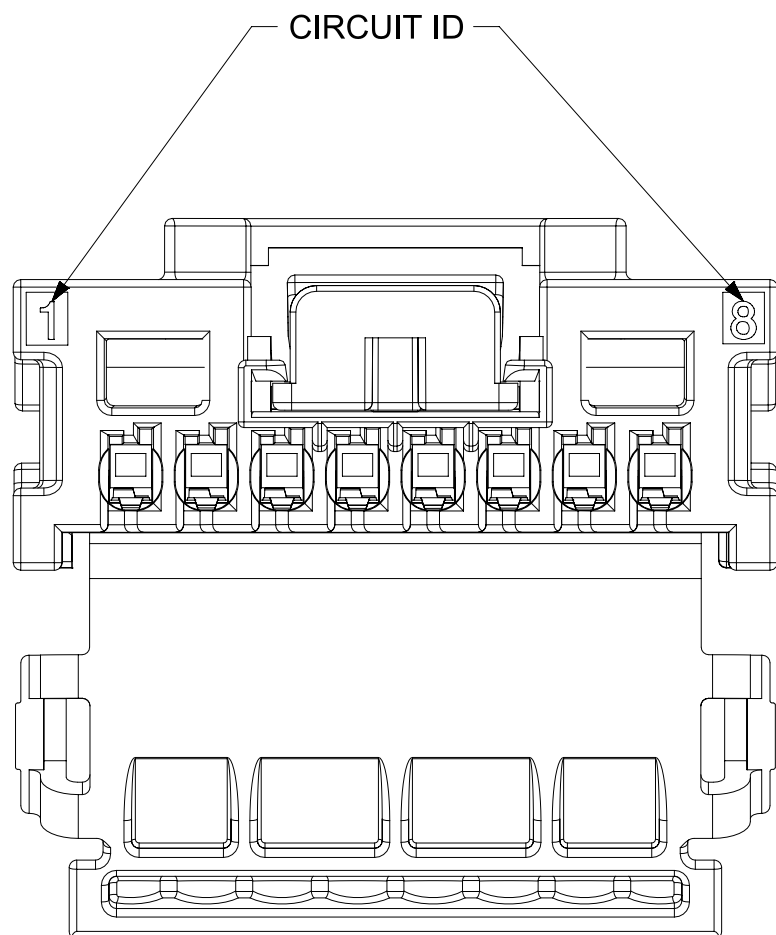
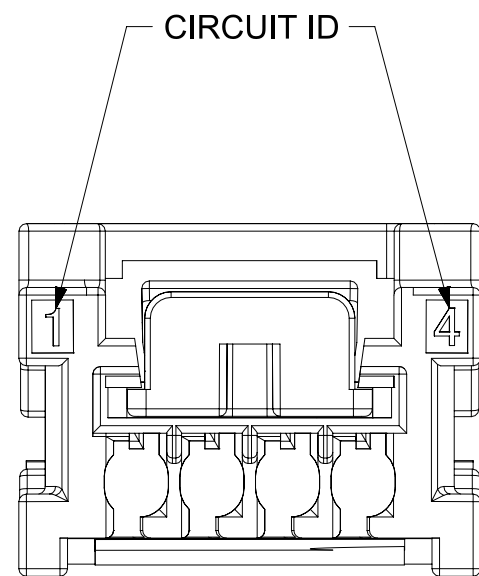
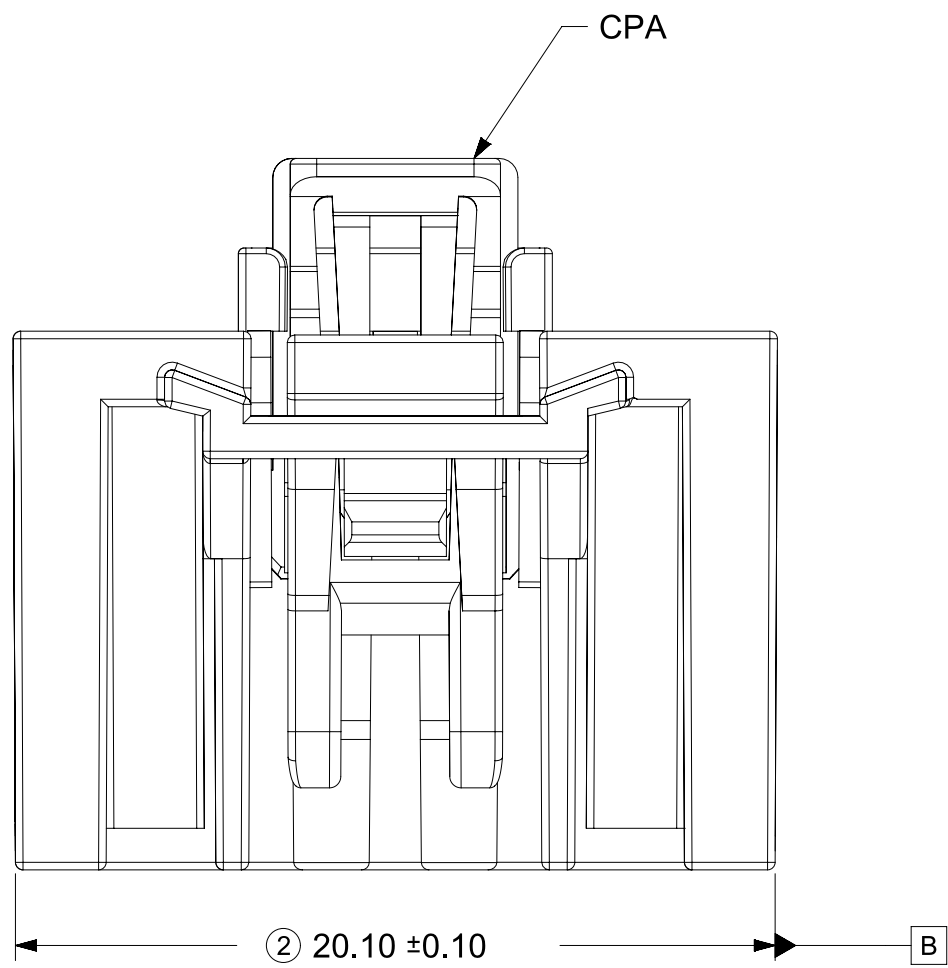
4CKT BRIDGE OPTION WITH CPA IN PRE-LOCK



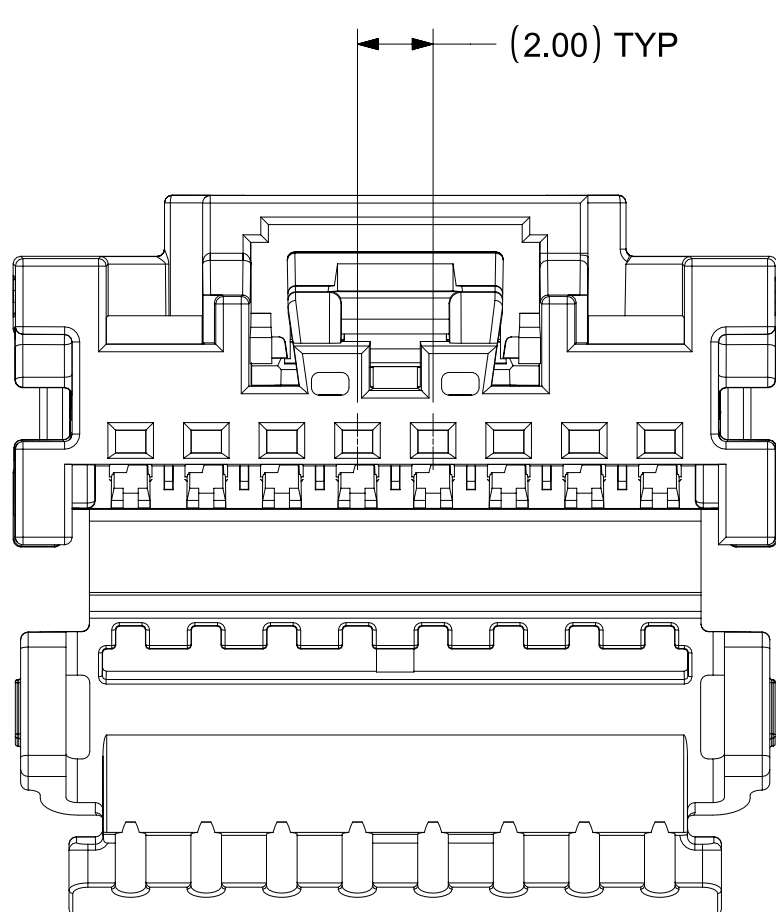
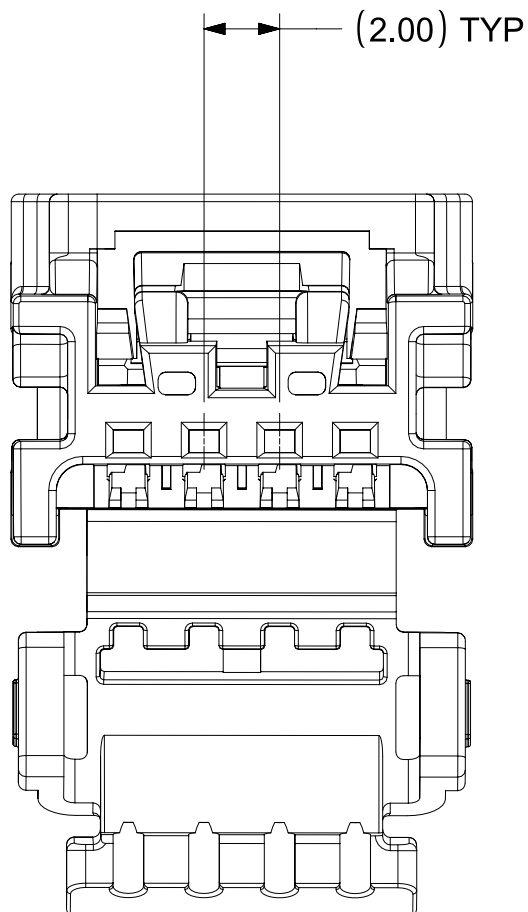
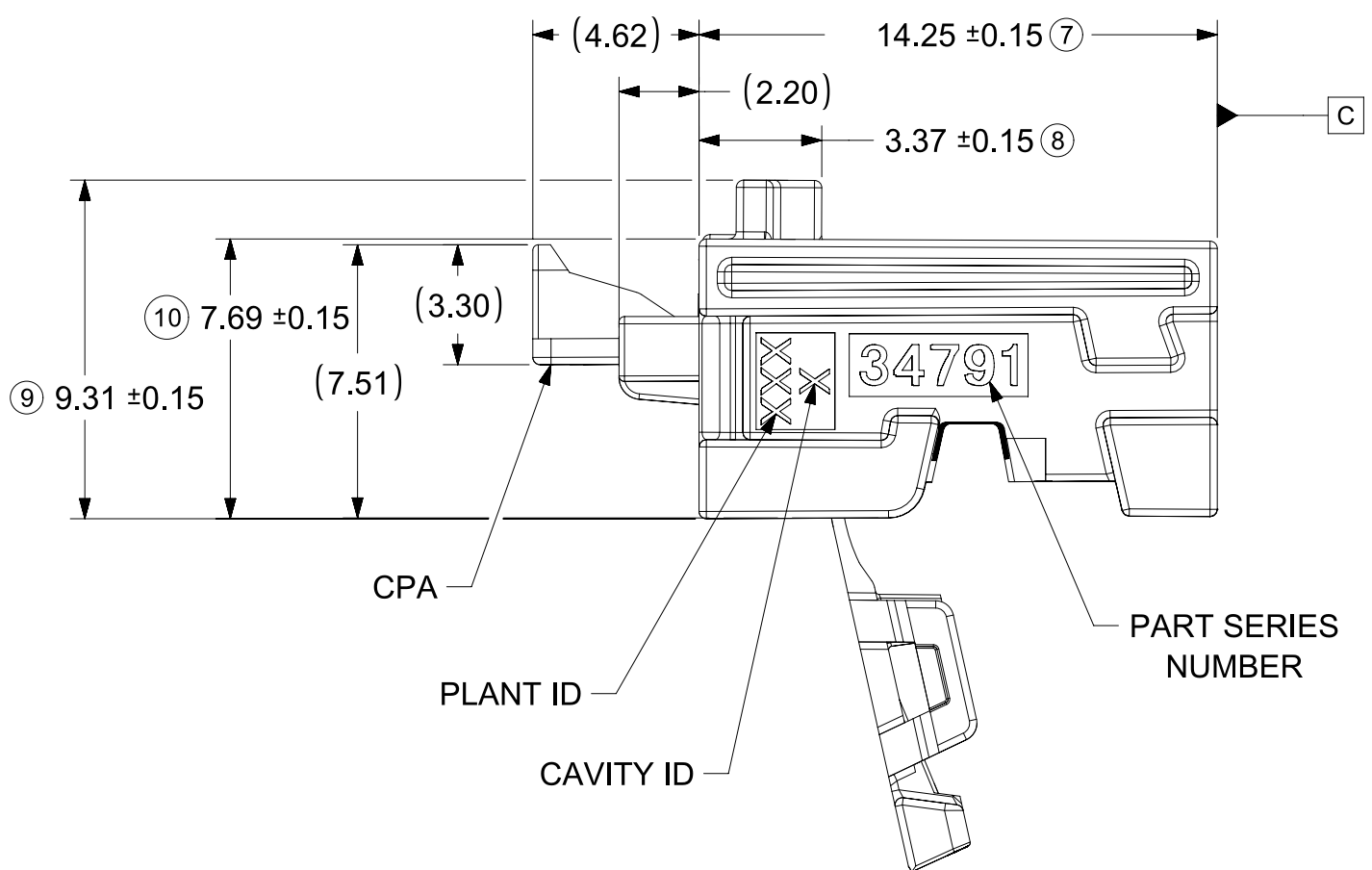
4CKT USCAR
COMPATIBLE
RECEPTACLE WITH CPA



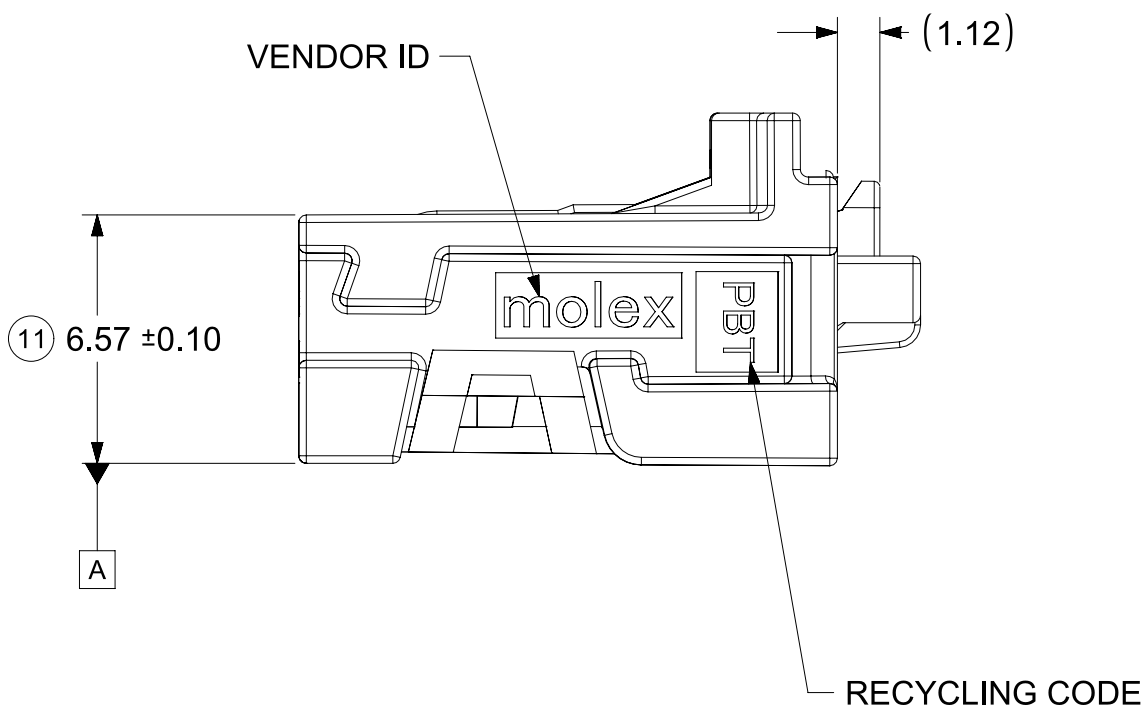
8CKT USCAR
COMPATIBLE
RECEPTACLE WITH CPA



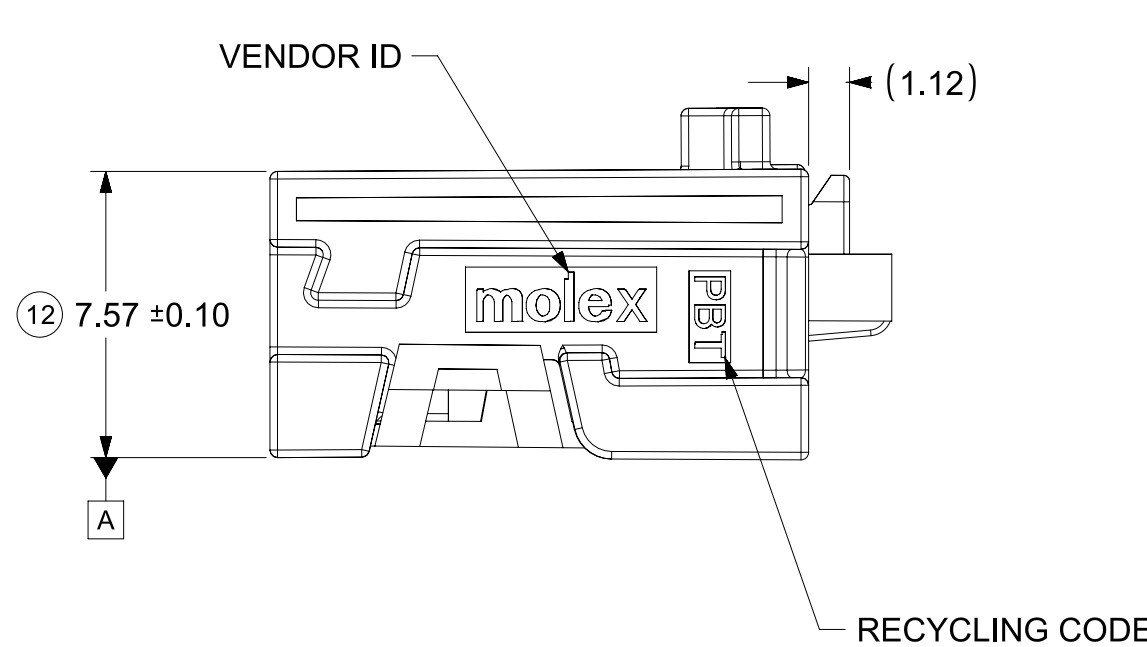
8CKT BRIDGE OPTION WITH CPA IN PRE-LOCK



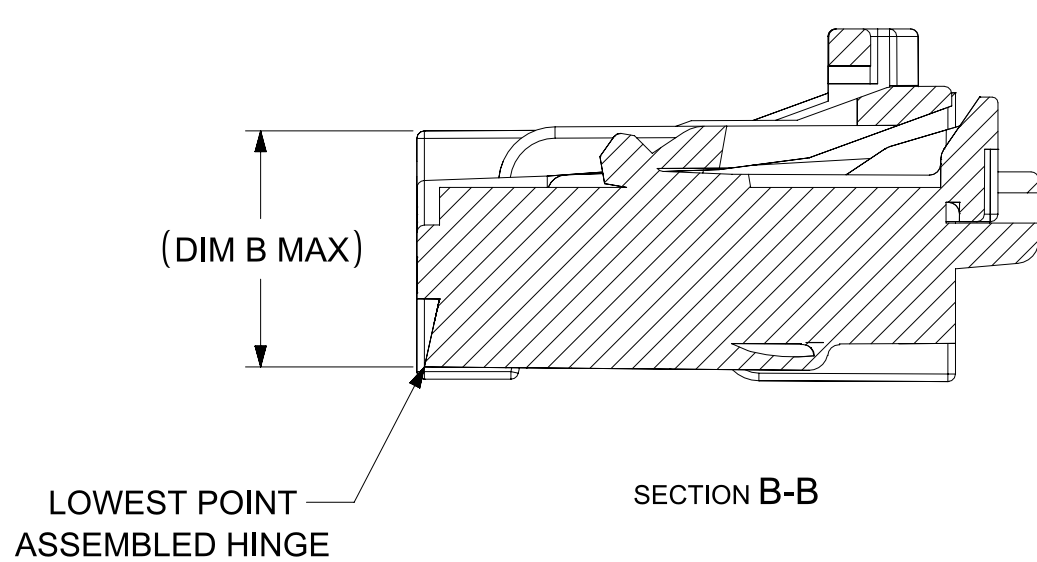
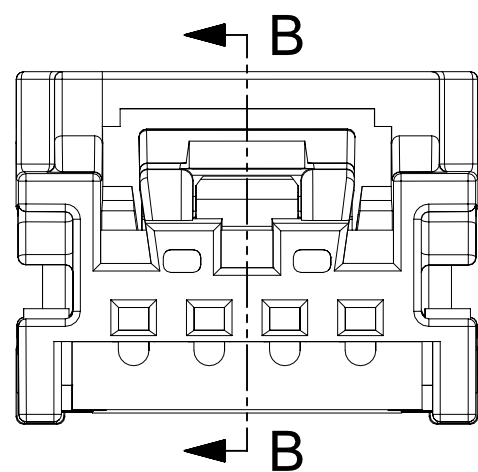
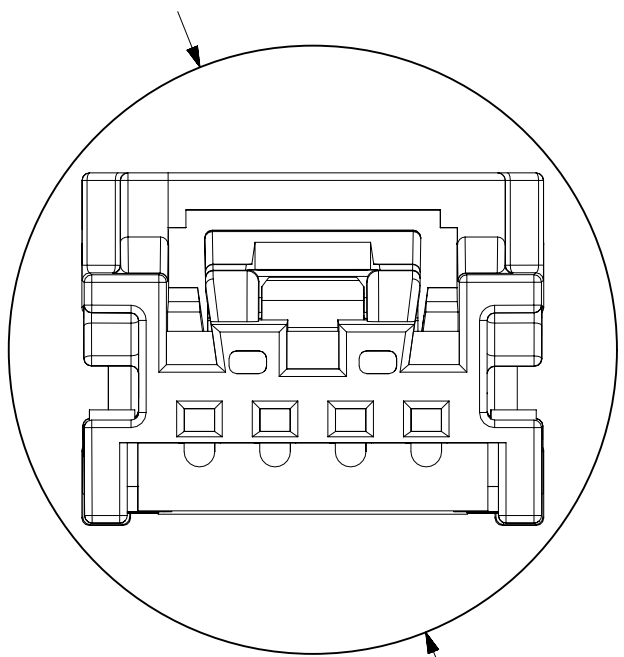
4CKT HINGE CLOSED
CPA IN FINAL POSITION



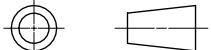
8CKT HINGE CLOSED
CPA IN FINAL POSITION



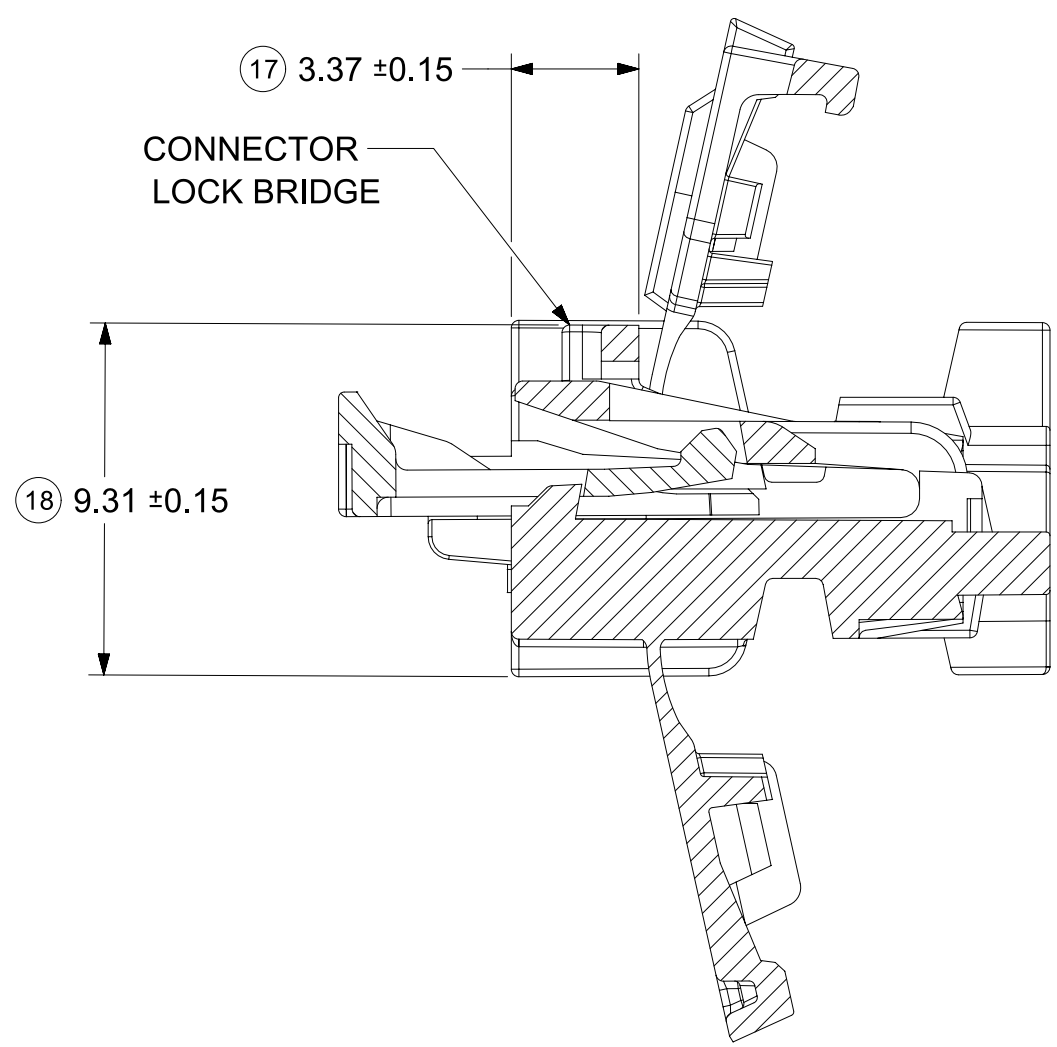
4CKT HINGE CLOSED



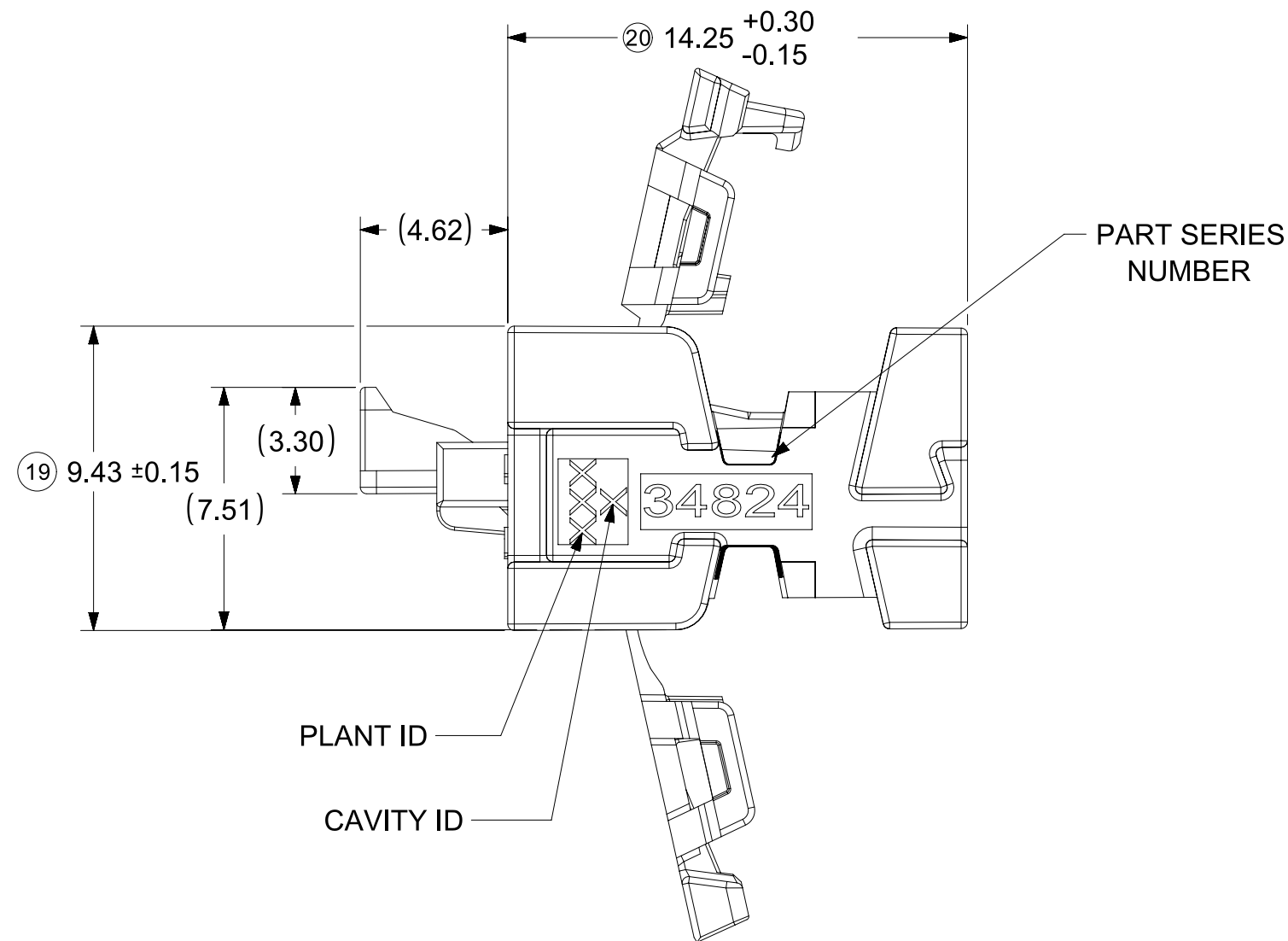
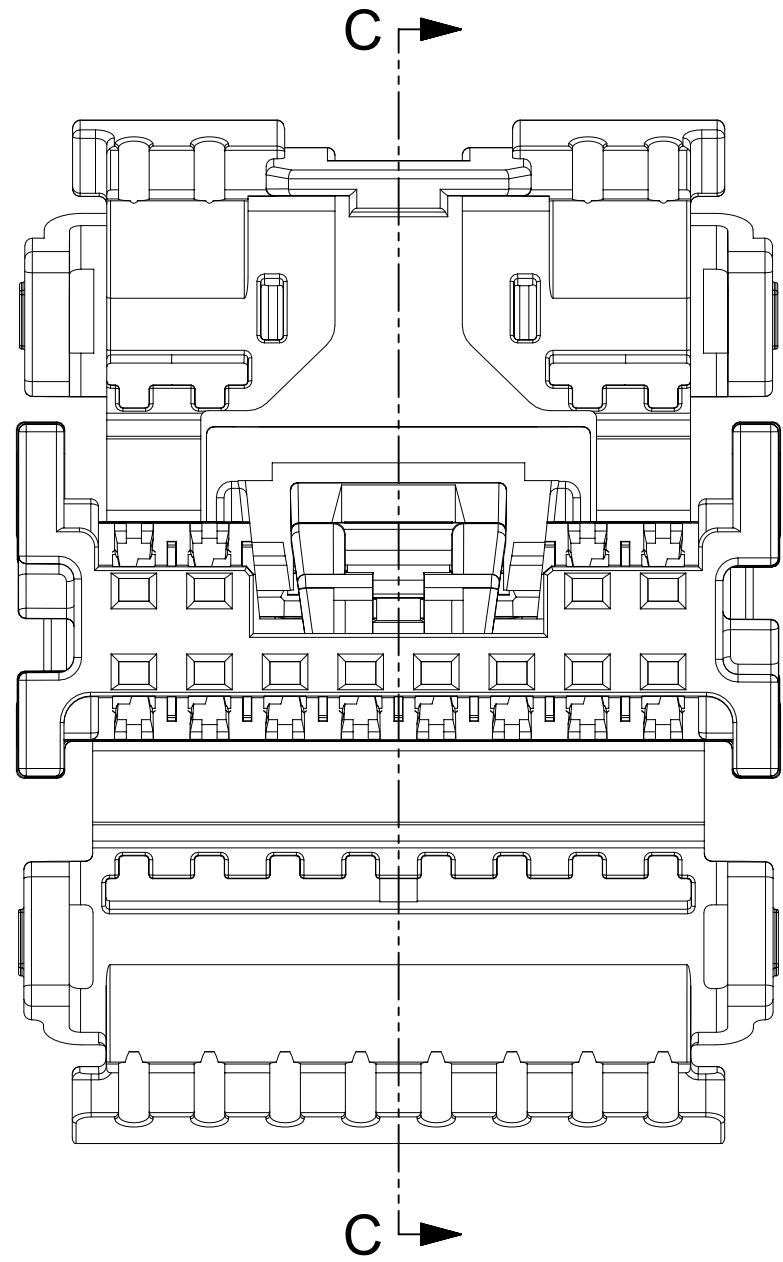
CHARTED DIMENSIONS		
DESCRIPTION	DIMENSION	
	A	B
4 CKT	16.09	6.77
8 CKT	22.52	7.77
12 CKT	23.18	8.47
16 CKT	26.87	8.47
20 CKT	30.65	8.47
24 CKT	34.47	8.47

FUNCTIONAL SYMBOLS FA = 0 FC = 0 FD = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
	DIMENSION UNITS		SCALE		CURRENT REV DESC:												
	MM		5:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
	ANGULAR TOL ± 1°																
	4 PLACES		±		STATUS: Production DRWN: Yann Chen CHK'D: Gang Li APPR: Colin Zhang												
	3 PLACES		±														
	2 PLACES		± 0.100														
	1 PLACE		± 0.20														
	0 PLACES		±		2023-10-20		2023-10-25		2023-10-30								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A1-SIZE		34824		SD-34824-003		PSD		001		M16	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
												GENERAL MARKET				2 OF 4	

DUAL ROW LOCK BRIDGE OPTION

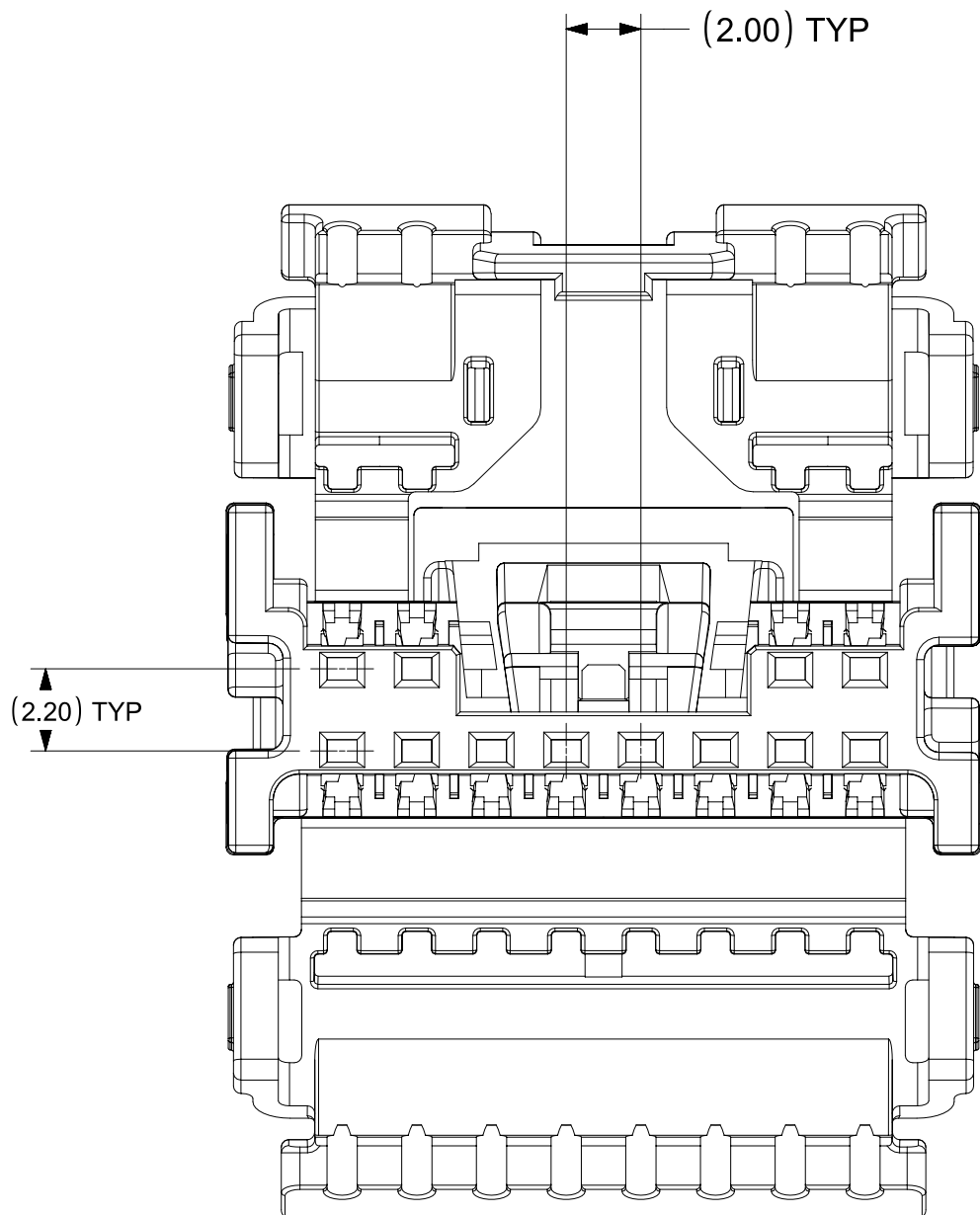
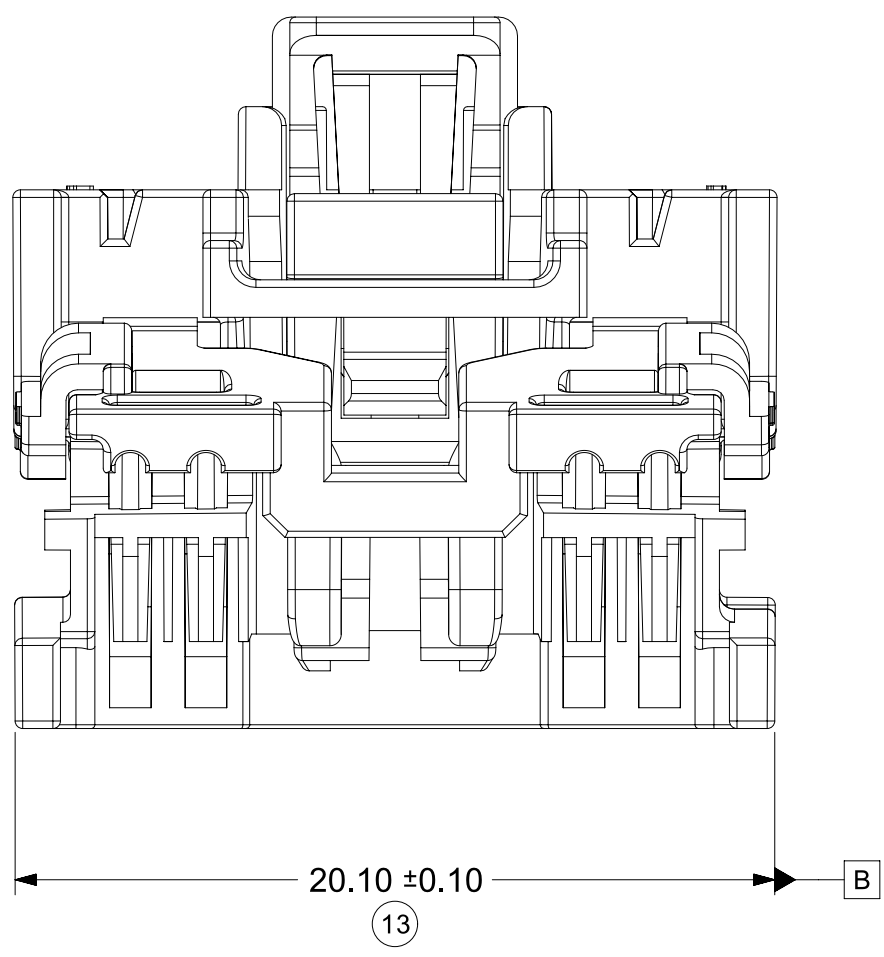


SECTION C-C

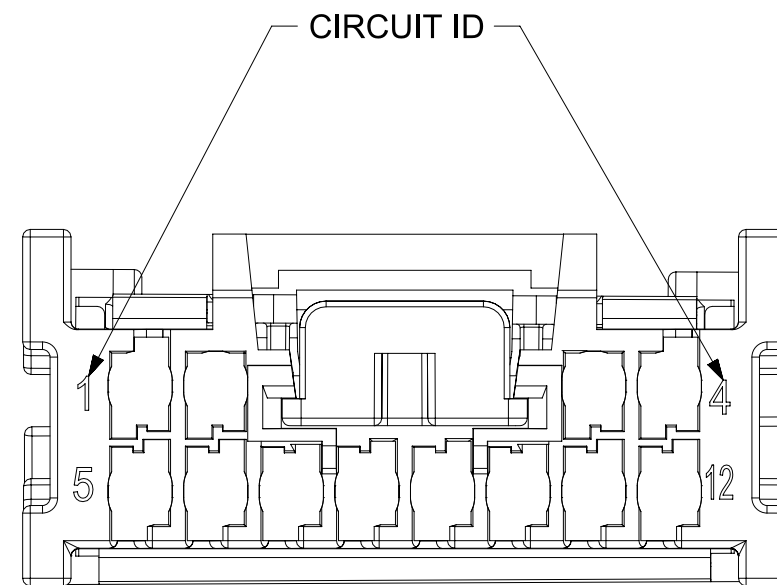
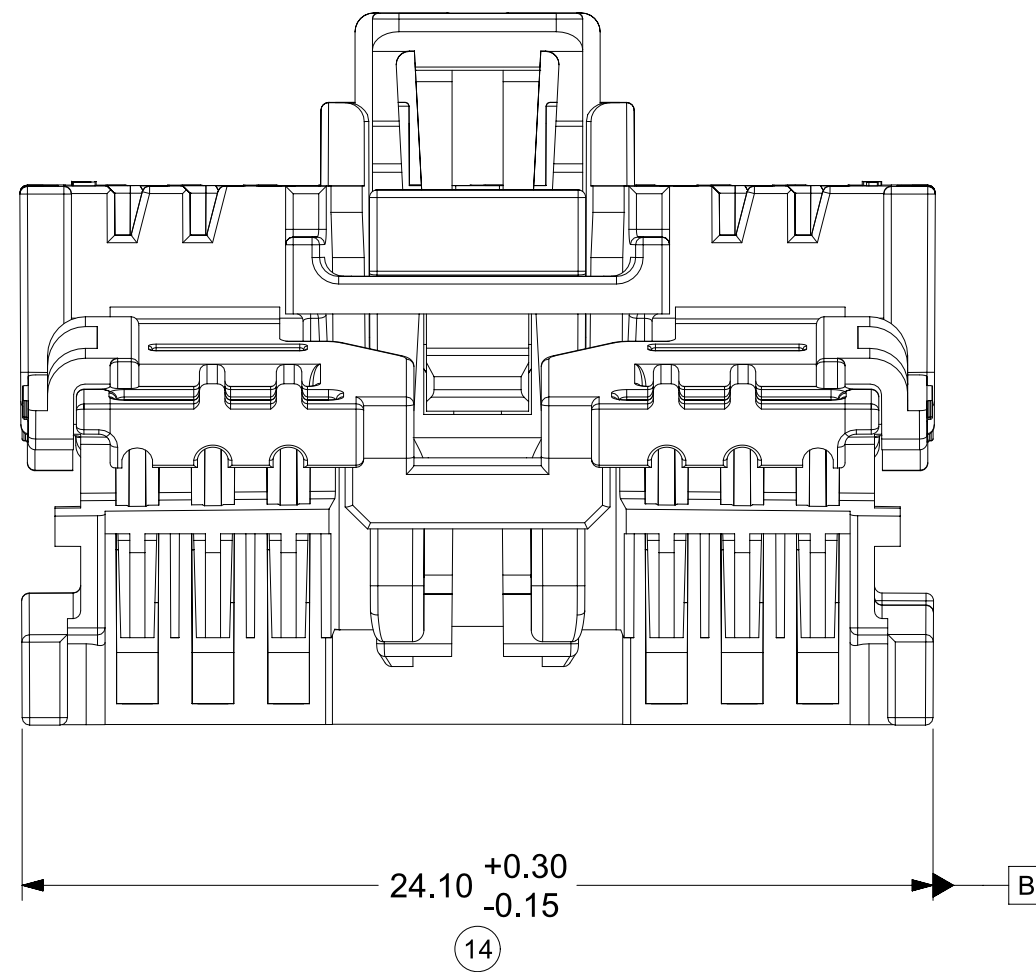


*NOTE: DIM 20 TOLERANCE IS +0.20/-0.15 FOR P/N 34824-2244/5/6

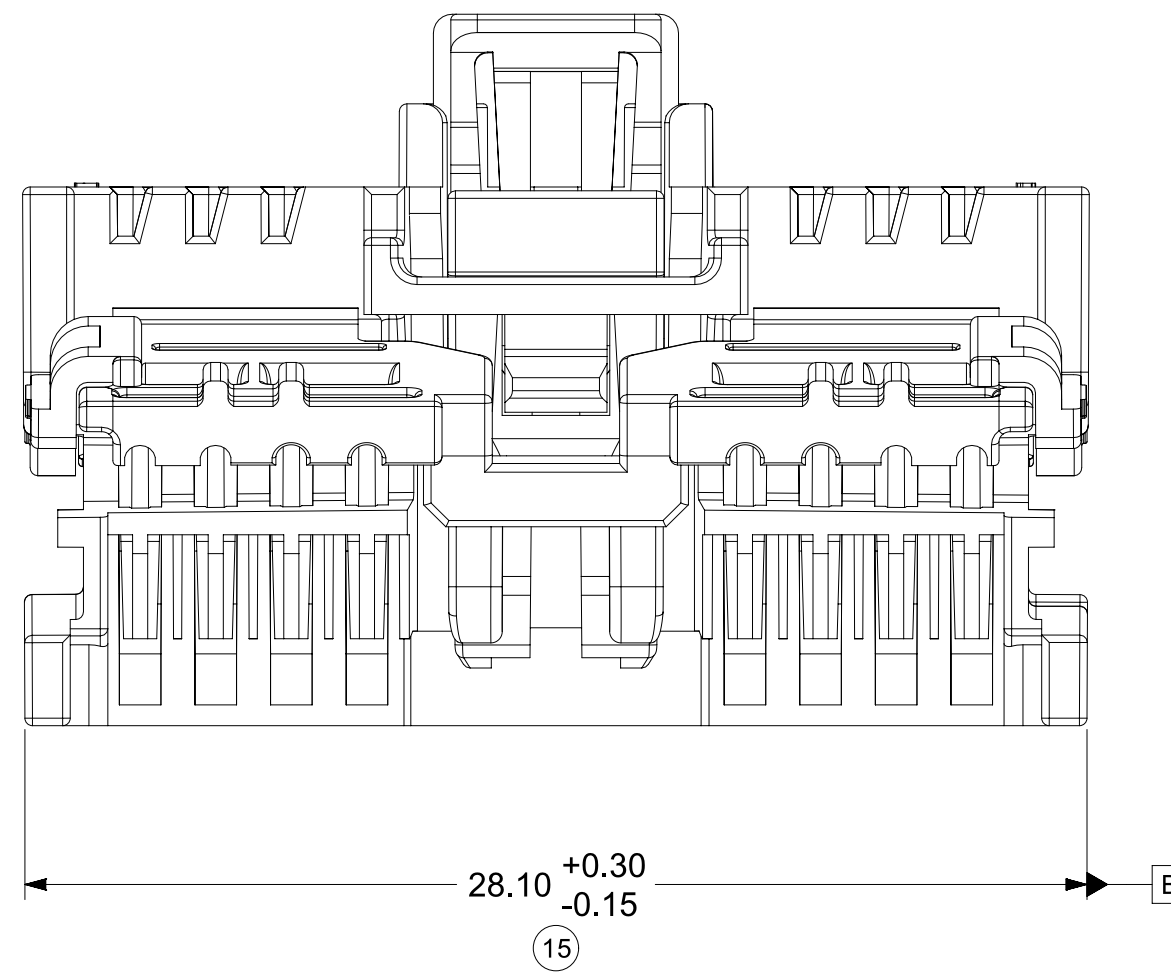
12CKT USCAR COMPATIBLE RECEPTACLE WITH CPA



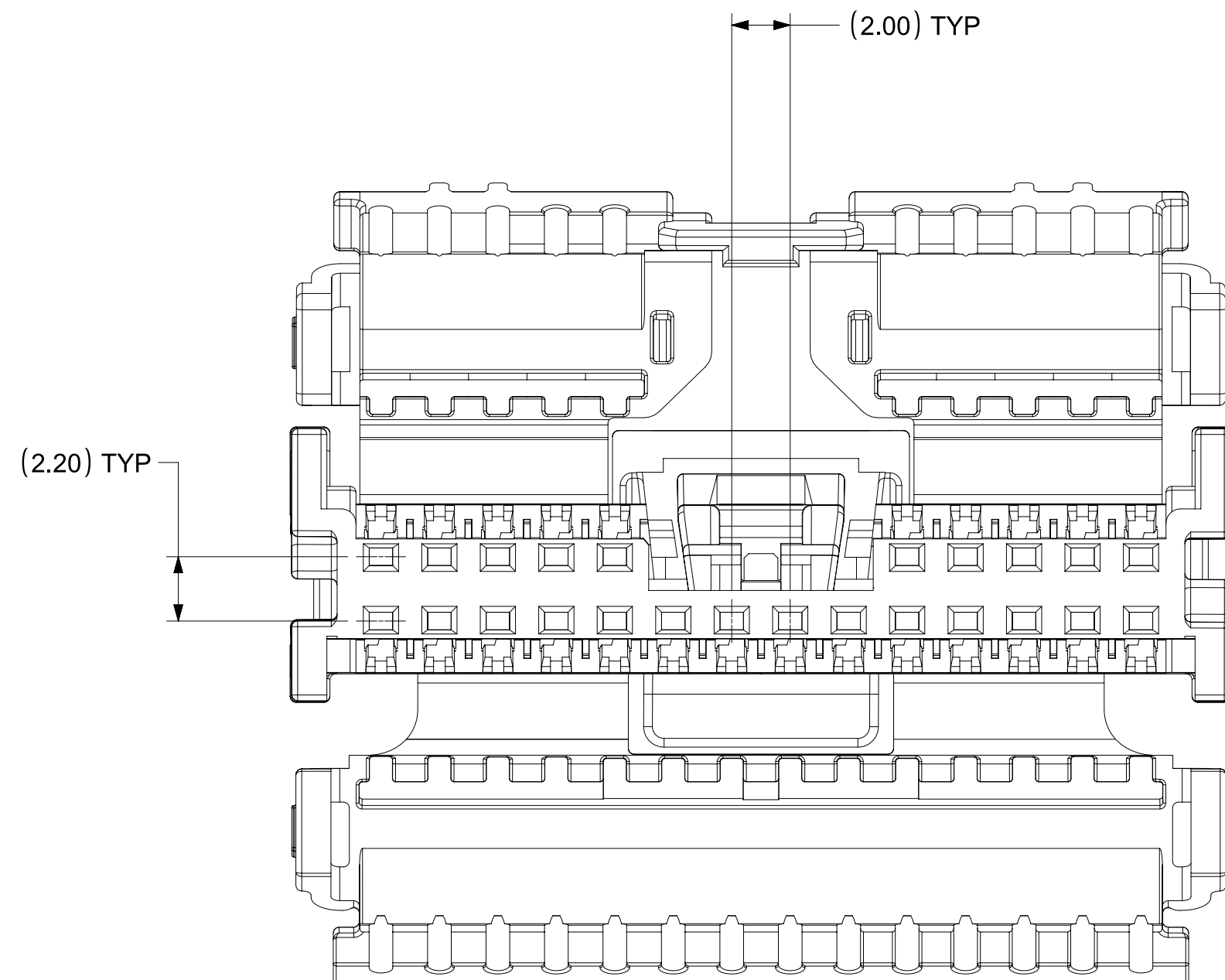
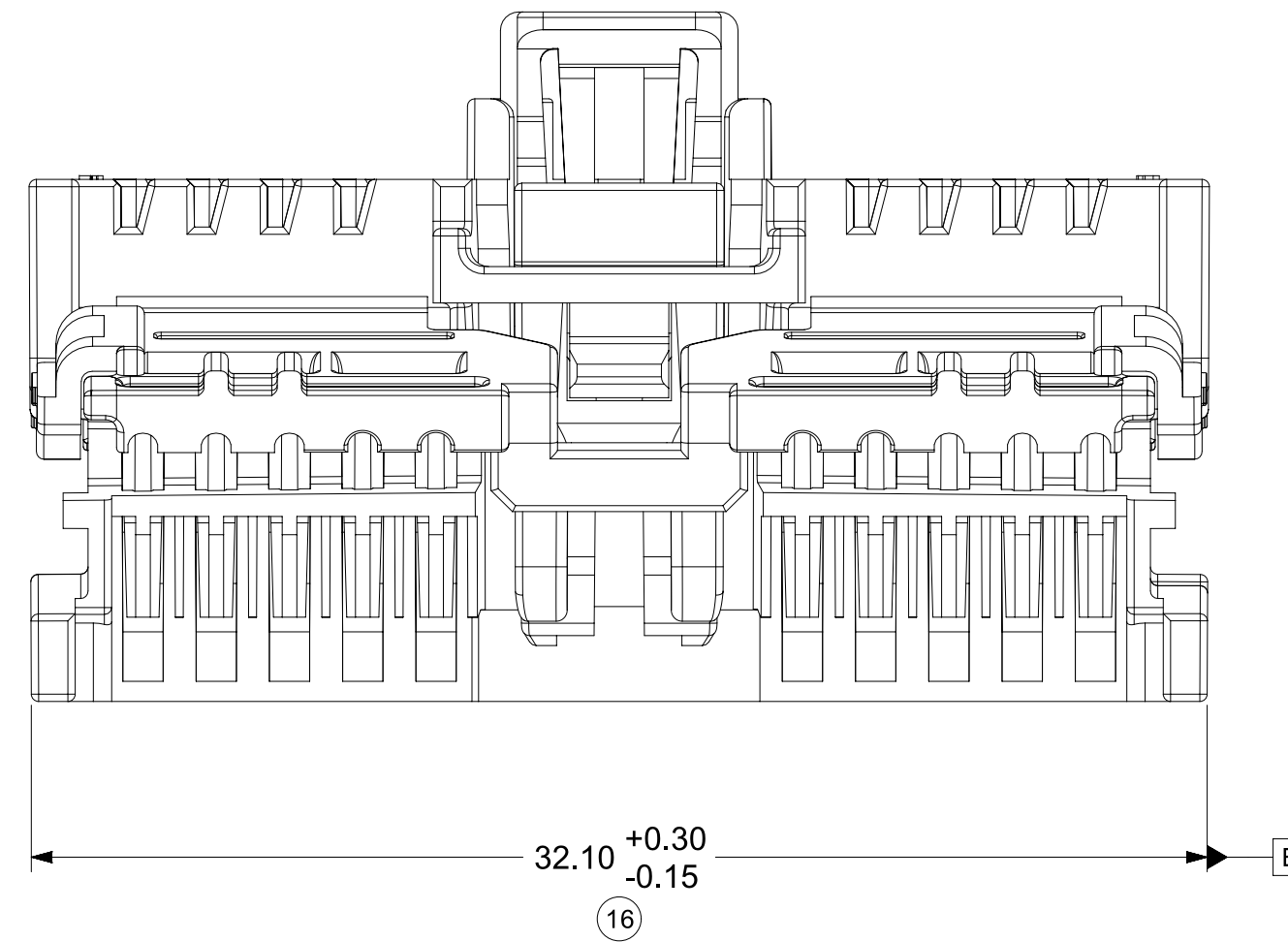
16CKT USCAR COMPATIBLE RECEPTACLE WITH CPA



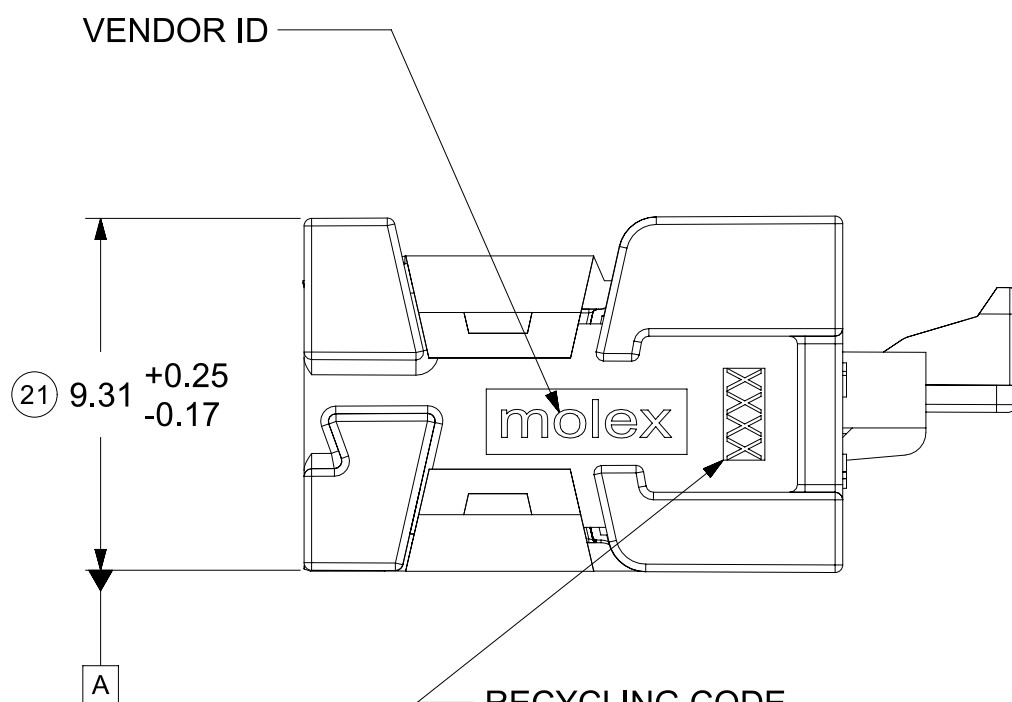
20CKT USCAR COMPATIBLE RECEPTACLE WITH CPA



24CKT USCAR COMPATIBLE RECEPTACLE WITH CPA



HINGES CLOSED



*NOTE: DATUMS A AND C ARE SIMILAR FOR 12-24CKT CONNECTORS

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex							
	IFIER = 0	MM	5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				MINI50 RECEPTACLE WITH CPA SALES DRAWING										
	ANGULAR TOL ± 1°														
	4 PLACES ±		PRODUCT SALES DRAWING												
	3 PLACES ±														
	2 PLACES ± 0.100		STATUS: Production		2023-10-20		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		
	1 PLACE ± 0.20														
	0 PLACES ±														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A1-SIZE		34824				GENERAL MARKET		3 OF 4	
				DRWN: Yann Chen		2023-10-20		SD-34824-003		PSD		001		M16	
				CHK'D: Gang Li		2023-10-25									
				APPR: Colin Zhang		2023-10-30									

SINGLE ROW ASSEMBLY (RECEPTACLE WITH CPA)

MOLEX MATERIAL NUMBER BULK PACKAGING PK-31301-538	GENERAL MOTORS PART NUMBER	CONFIGURATION	MATERIAL TYPE	CIRCUIT	POL	COLOR	MATING COMPONENT							
							SURFACE MOUNT TECHNOLOGY (SMT) HEADER		VERTICAL THRU HOLE HEADER			RIGHT ANGLE THRU HOLE HEADER		
							TAPE AND REEL PACKAGING PK-31301-786	TUBE PACKAGING PK-31301-688	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TAPE AND REEL PACKAGING PK-47799-0001	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TAPE AND REEL PACKAGING PK-47799-0001
34791-5140	13507113	USCAR	PBT	4	A	BLACK	34912-8040	34912-9040	34792-0040	34792-9040	34792-8040	34793-0040	34793-9040	34793-8040
34791-5141	13507115	USCAR		4	B	LIGHT GRAY	34912-8041	34912-9041	34792-0041	34792-9041	34792-8041	34793-0041	34793-9041	34793-8041
34791-5142	13507116	USCAR		4	C	DARK GRAY	34912-8042	34912-9042	34792-0042	34792-9042	34792-8042	34793-0042	34793-9042	34793-8042
34791-5143	13507117	USCAR		4	D	GREEN	34912-8043	34912-9043	34792-0043	34792-9043	34792-8043	34793-0043	34793-9043	34793-8043
34791-5180	13507118	USCAR		8	A	BLACK	34912-8080	34912-9080	34792-0080	34792-9080	34792-8080	34793-0080	34793-9080	34793-8080
34791-5181	13507119	USCAR		8	B	LIGHT GRAY	34912-8081	34912-9081	34792-0081	34792-9081	34792-8081	34793-0081	34793-9081	34793-8081
34791-5182	13507120	USCAR		8	C	DARK GRAY	34912-8082	34912-9082	34792-0082	34792-9082	34792-8082	34793-0082	34793-9082	34793-8082

DUAL ROW ASSEMBLY (RECEPTACLE WITH CPA)

MOLEX MATERIAL NUMBER BULK PACKAGING PK-31301-538	GENERAL MOTORS PART NUMBER	CONFIGURATION	MATERIAL TYPE	CIRCUIT	POL	COLOR	MATING COMPONENT							
							SURFACE MOUNT TECHNOLOGY (SMT) HEADER		VERTICAL THRU HOLE HEADER			RIGHT ANGLE THRU HOLE HEADER		
							TAPE AND REEL PACKAGING PK-31301-786	TUBE PACKAGING PK-31301-688	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TAPE AND REEL PACKAGING PK-47799-0001	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TAPE AND REEL PACKAGING PK-47799-0001
34824-2164	N/A	USCAR	ECOPAXX	16	A	BLACK	34897-8160	34897-9160	34825-0160	34825-9160	34825-8160	34826-0160	34826-9160	34826-8160
34824-2165	N/A	USCAR		16	B	LIGHT GRAY	34897-8161	34897-9161	34825-0161	34825-9161	34825-8161	34826-0161	34826-9161	34826-8161
34824-2166	N/A	USCAR		16	C	DARK GRAY	34897-8162	34897-9162	34825-0162	34825-9162	34825-8162	34826-0162	34826-9162	34826-8162
34824-2204	13544280	USCAR		20	A	BLACK	34897-8200	34897-9200	34825-0200	34825-9200	34825-8200	34826-0200	34826-9200	34826-8200
34824-2205	13544281	USCAR		20	B	LIGHT GRAY	34897-8201	34897-9201	34825-0201	34825-9201	34825-8201	34826-0201	34826-9201	34826-8201
34824-2206	13544282	USCAR		20	C	DARK GRAY	34897-8202	34897-9202	34825-0202	34825-9202	34825-8202	34826-0202	34826-9202	34826-8202
34824-2244	N/A	USCAR		24	A	BLACK	34897-8240	34897-9240	34825-0240	34825-9240	34825-8240	34826-0240	34826-9240	34826-8240
34824-2245	N/A	USCAR		24	B	LIGHT GRAY	34897-8241	34897-9241	34825-0241	34825-9241	34825-8241	34826-0241	34826-9241	34826-8241
34824-2246	N/A	USCAR	24	C	DARK GRAY	34897-8242	34897-9242	34825-0242	34825-9242	34825-8242	34826-0242	34826-9242	34826-8242	
34824-5124	13507121	USCAR	PBT	12	A	BLACK	34897-8120	34897-9120	34825-0124	34825-9124	34825-8124	34826-0124	34826-9124	34826-8124
34824-5125	13507122	USCAR		12	B	LIGHT GRAY	34897-8121	34897-9121	34825-0125	34825-9125	34825-8125	34826-0125	34826-9125	34826-8125
34824-5126	13507114	USCAR		12	C	DARK GRAY	34897-8122	34897-9122	34825-0126	34825-9126	34825-8126	34826-0126	34826-9126	34826-8126
*NOTE: CONFIGURATION CONSISTS OF AN EXPANSION OF THE 12CKT USCAR-COMPATIBLE CONFIGURATION TO ALLOW FOR 16, 20, AND 24 CIRCUITS														

MINI50 CPA (APPLIED TO SINGLE & DUAL ROW BRIDGED RECEPTACLES)

MATERIAL NUMBER	COLOR	MATING COMPONENT
34824-7000	NATURAL	SEE CHARTS ABOVE

CTX50 UNSEALED RECEPTACLE TERMINALS

PART NUMBER		MATERIAL	WIRE GAGE (mm ²)	GRIP	STATUS
D-WIND (LEFT PAYOFF)	B-WIND (RIGHT PAYOFF)				
560023-0448	560023-0450	COPPER ALLOY	0.35	LARGE	PLAN OBSOLESCENCE IN 2024
560023-0421	560023-0423	COPPER ALLOY	0.22	MEDIUM	PLAN OBSOLESCENCE IN 2024
560023-0444	560023-0445	COPPER ALLOY	0.13	SMALL	PLAN OBSOLESCENCE IN 2024
560023-0748	560023-0750	COPPER ALLOY	0.35	LARGE	SALEABLE
560023-0721	560023-0723	COPPER ALLOY	0.22	MEDIUM	SALEABLE
560023-0744	560023-0745	COPPER ALLOY	0.13	SMALL	SALEABLE

FUNCTIONAL SYMBOLS = 0 = 0 = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						
	DIMENSION UNITS			SCALE			CURRENT REV DESC:									molex							
	MM			1:1																			
	GENERAL TOLERANCES (UNLESS SPECIFIED)						MINI50 RECEPTACLE WITH CPA SALES DRAWING																
	ANGULAR TOL ± 1°																						
	4 PLACES			±																			
	3 PLACES			±																			
	2 PLACES			± 0.100																			
	1 PLACE			± 0.20			PRODUCT SALES DRAWING																
	0 PLACES			±																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						DOCUMENT NUMBER										DOC TYPE		DOC PART		REVISION			
STATUS: Production						2023-10-20			SD-34824-003						PSD		001		M16				
DRWN: Yann Chen						2023-10-25																	
CHK'D: Gang Li						2023-10-30																	
APPR: Colin Zhang						THIRD ANGLE PROJECTION			DRAWING			SERIES			MATERIAL NUMBER			CUSTOMER			SHEET NUMBER		
						A1-SIZE			34824						GENERAL MARKET			4 OF 4					