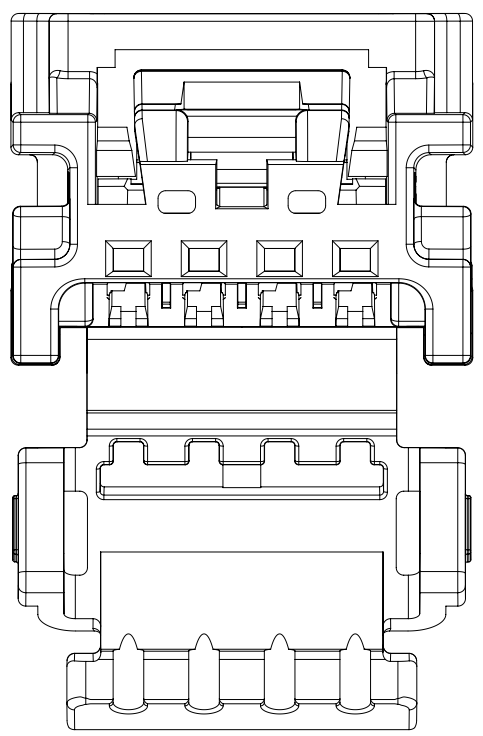
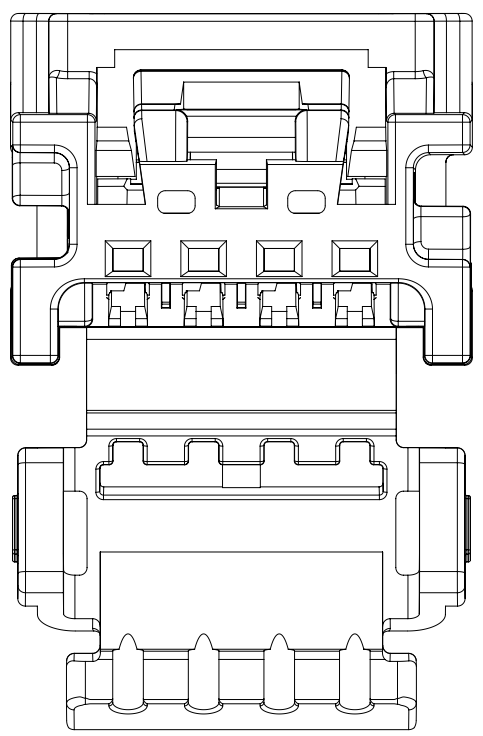


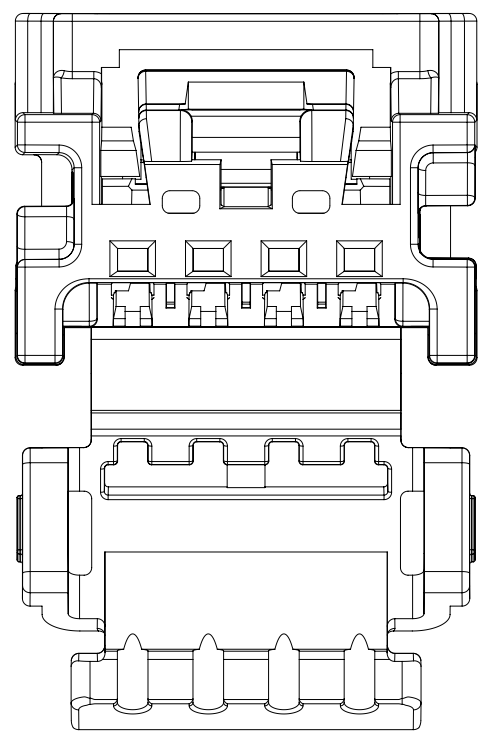
4 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION A



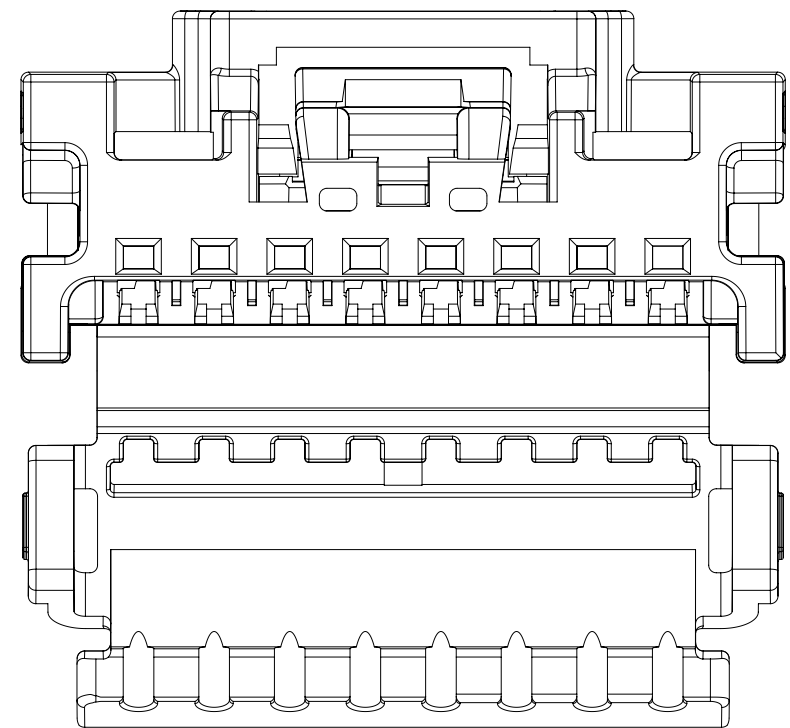
4 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION B



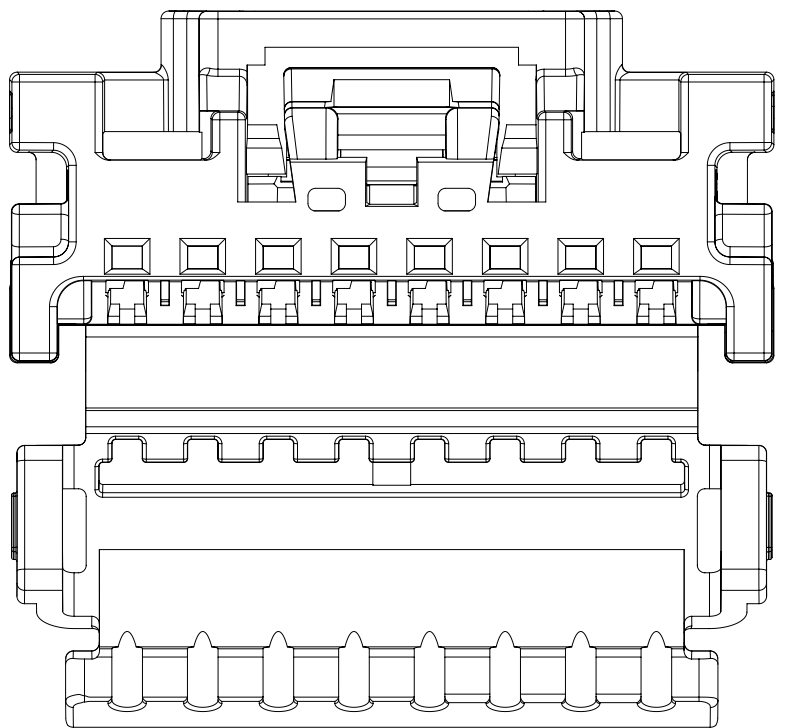
4 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION C



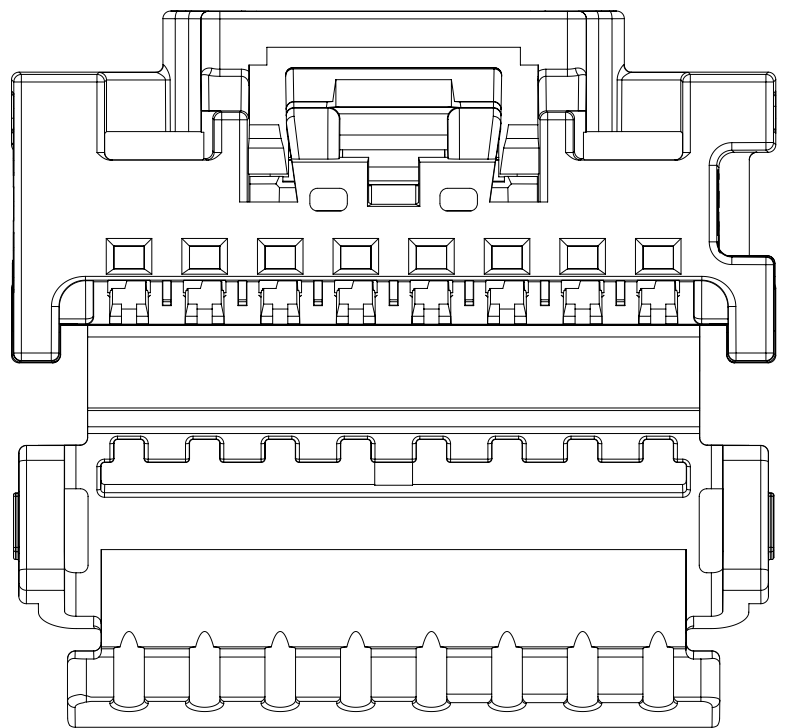
4 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION D



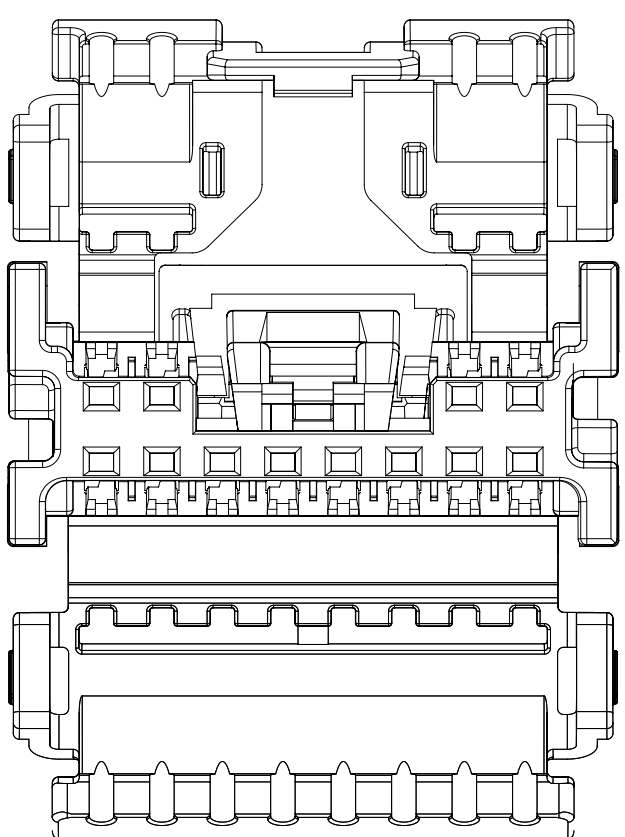
8 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION A



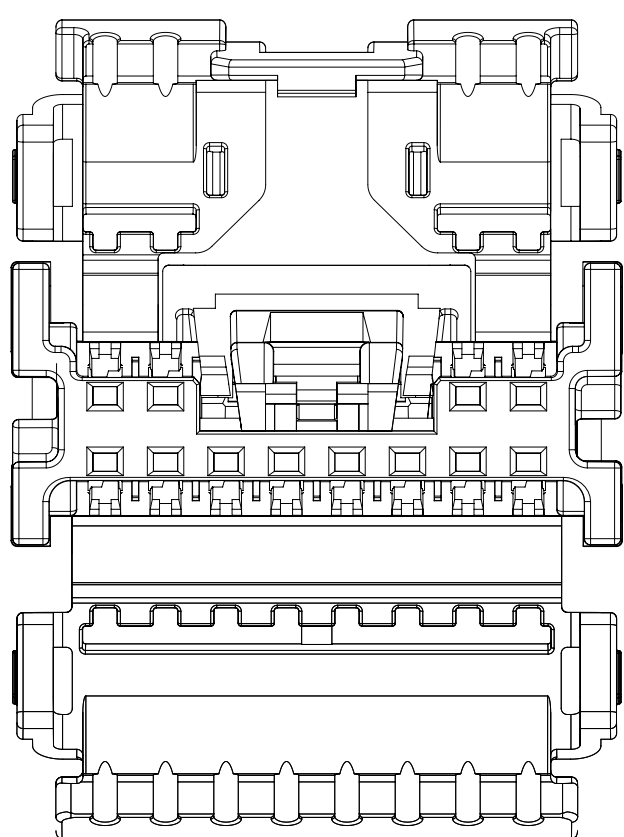
8 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION B



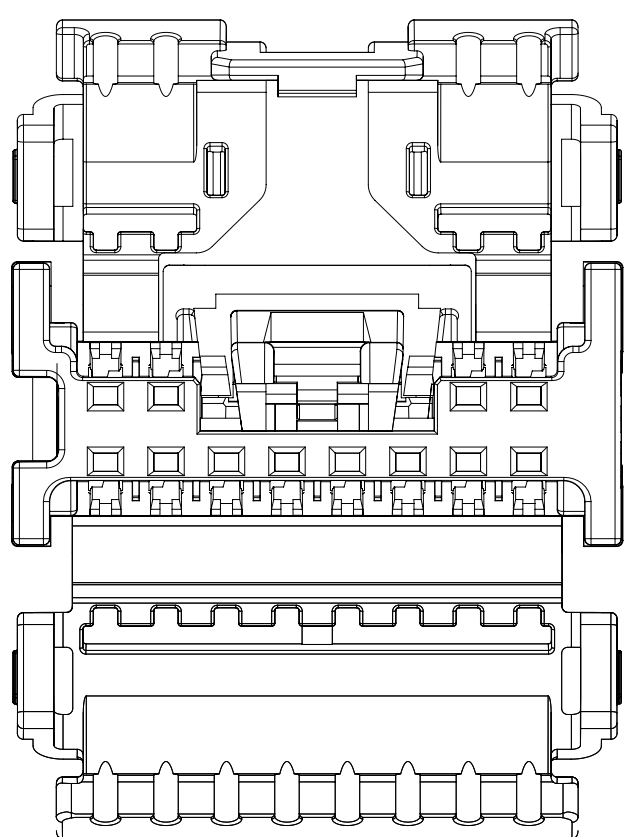
8 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION C



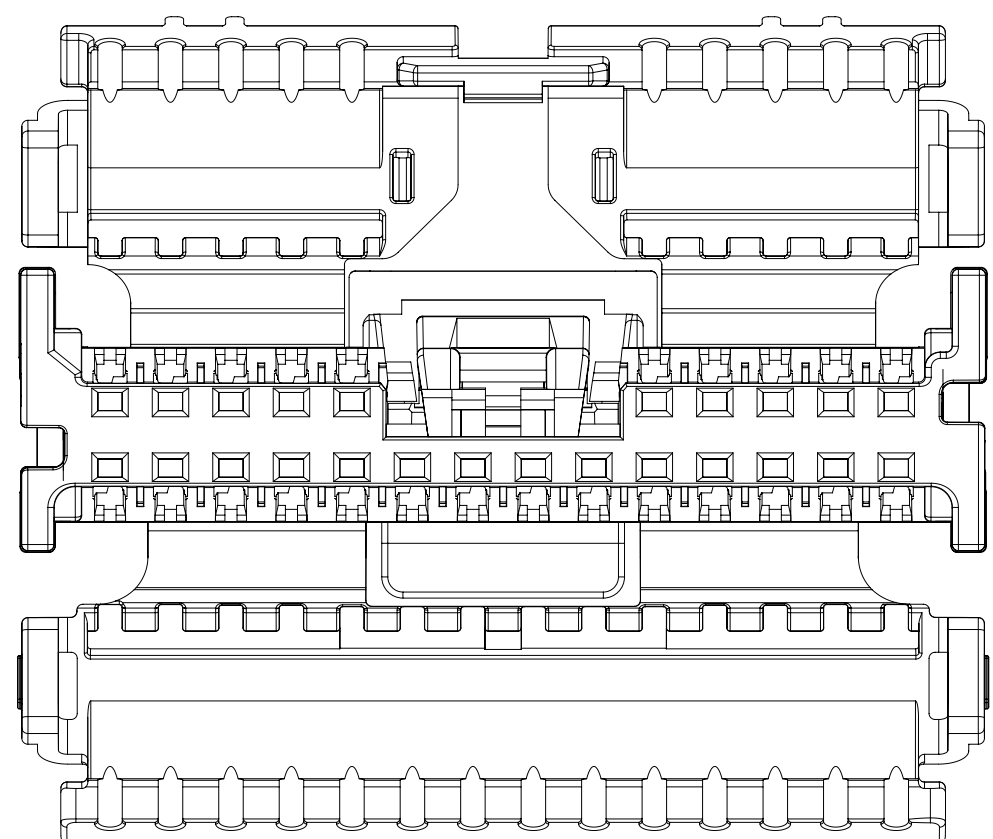
12 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION A



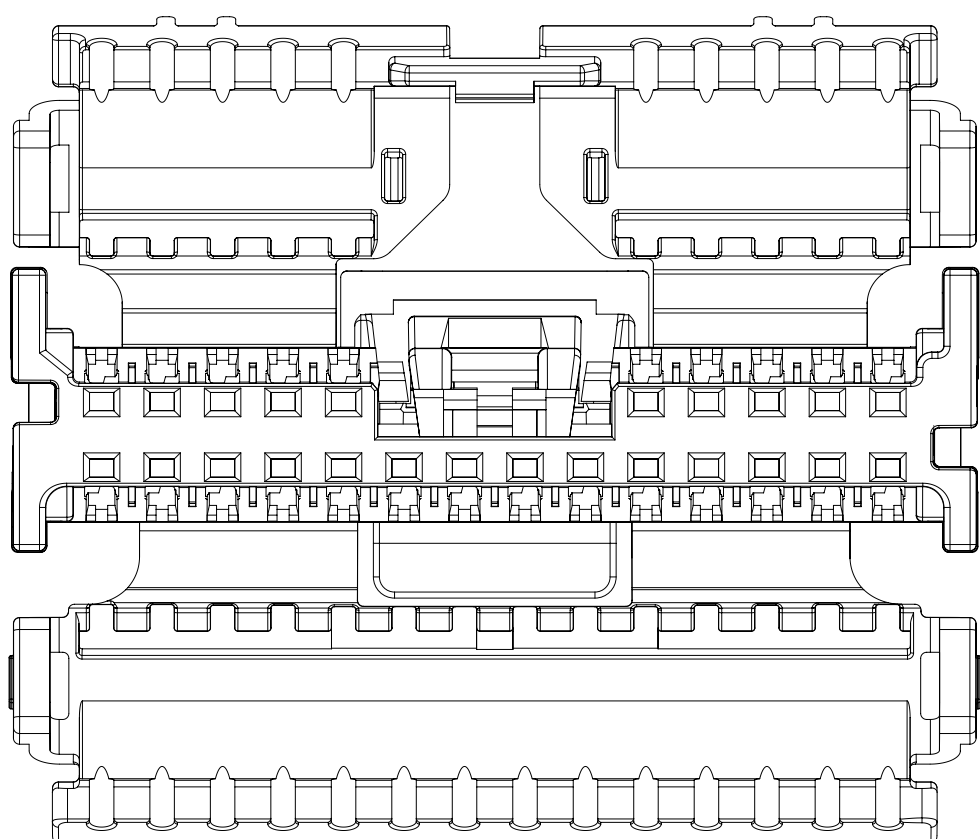
12 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION B



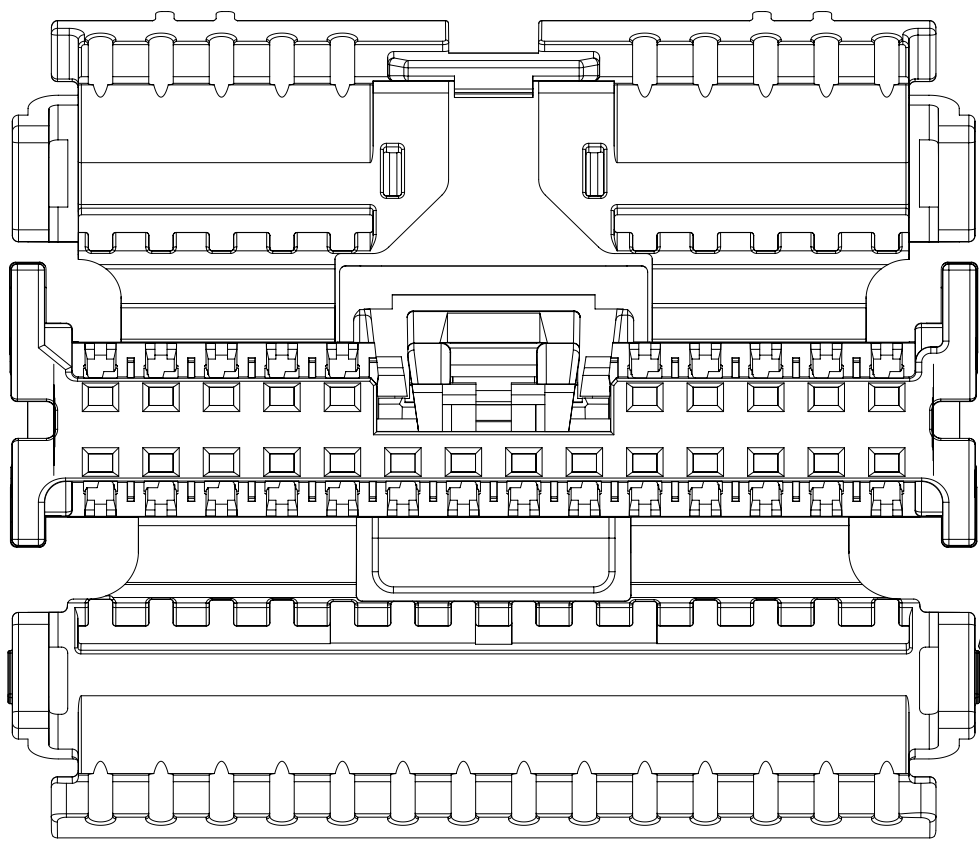
12 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION C



24 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION A



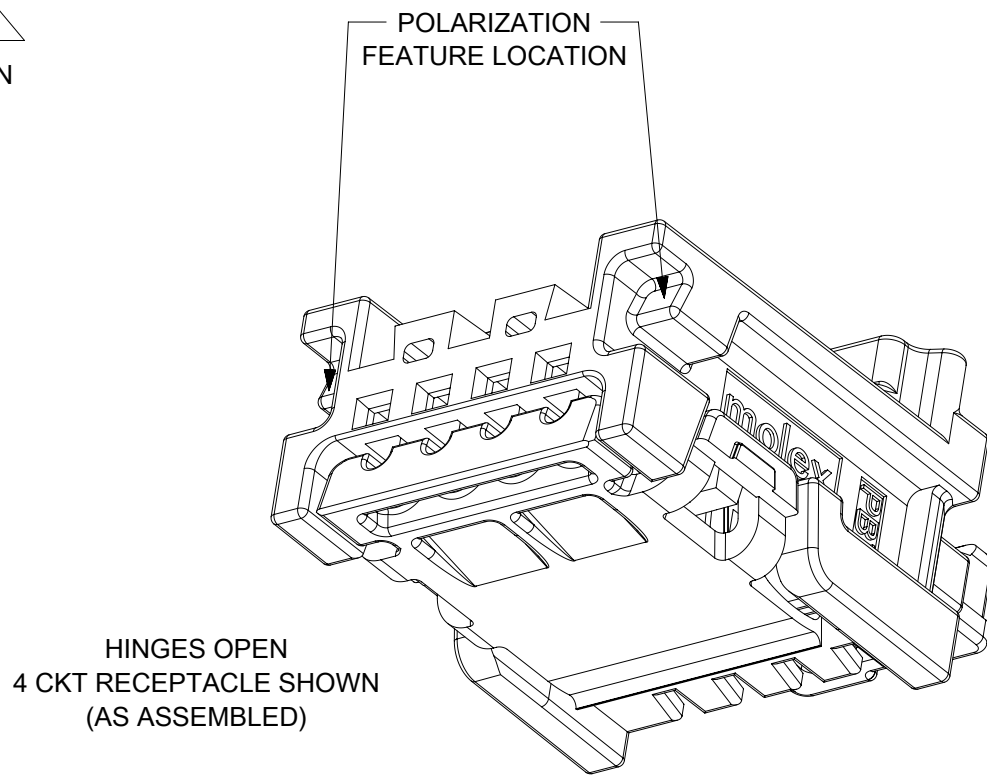
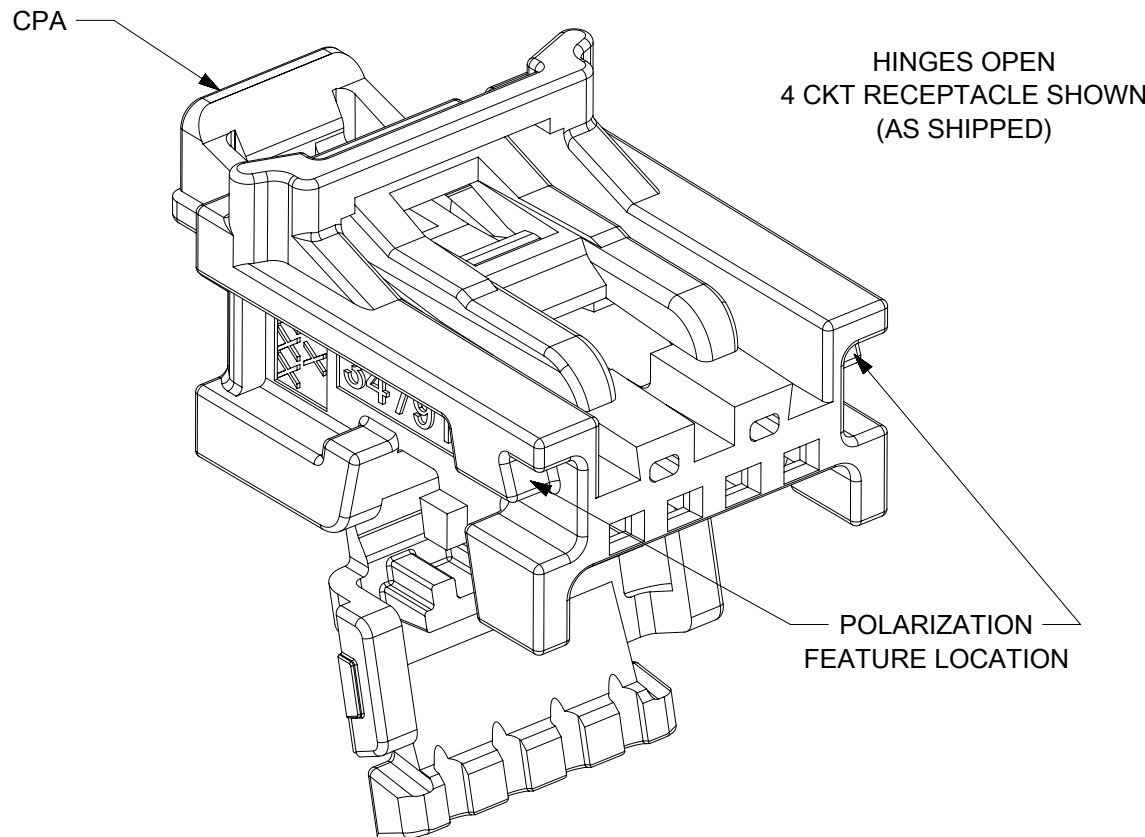
24 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION B



24 CKT BRIDGED RECEPTACLE W/CPA  
POLARIZATION OPTION C

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34791-020
  - b. PRODUCT SPECIFICATION SEE: PS-34791-020
  - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE CHART
  - 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)
  - f. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
    - 1. BURN RATE 100 mm/MIN MAXIMUM
    - 2. MATERIAL MUST BE SELF EXTINGUISHING
  - g. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
  - f. FOR TERMINAL USAGE, REFER TO MOLEX SALES DRAWING SD-560023-002
2. DESIGN - MATERIALS:
- a. MATERIAL (4,8CKT): UNFILLED PBT
  - b. MATERIAL (12,16,20,24CKT): PA410 25% GF
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 Y14.5 - 2009
  - c. GENERAL TOLERANCES:
    - LINEAR: PER DIN 16901 CODE B FOR PRECISION ENGINEERING (SEE TABLE)
    - ANGULAR:  $\pm 3^\circ$
  - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
  - e. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX
  - f. LETTERING SHALL BE 0.1 MAX RAISED IN 0.15 MAX RECESS PAD AND NOT PROTRUDE THE SURFACE. THIS INCLUDES RECYCLING CODE, PLANT ID, CAVITY ID, VENDOR ID, CIRCUIT ID, AND PART SERIES NUMBER.
  - g. DIMENSION APPLIES ONLY TO RECEPTACLES WITH LOCK BRIDGE OPTION.
4. DESIGN - FUNCTIONALITY:
- a. HINGE DOES NOT AFFECT FUNCTION OF THE PART.



PRE-RELEASE  
REFERENCE  
USE ONLY

QUALITY SYMBOLS
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0

INSPECTION BALLOON NUMBER  
PER DRAWING REVISION: M2

LAST BALLOON USED: 21

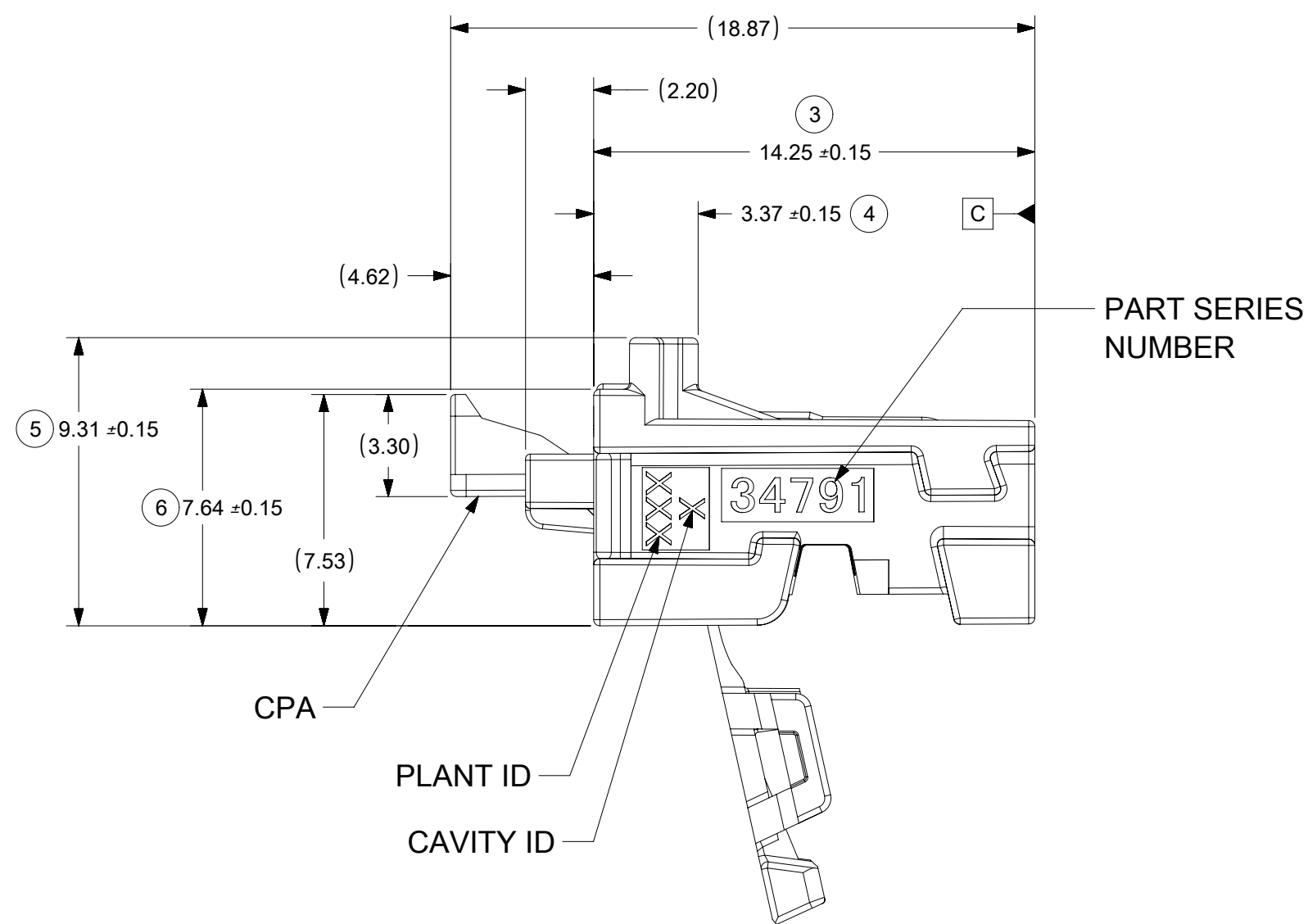
ADDED BALLOON NUMBERS:

REMOVED BALLOON NUMBERS: 22-33

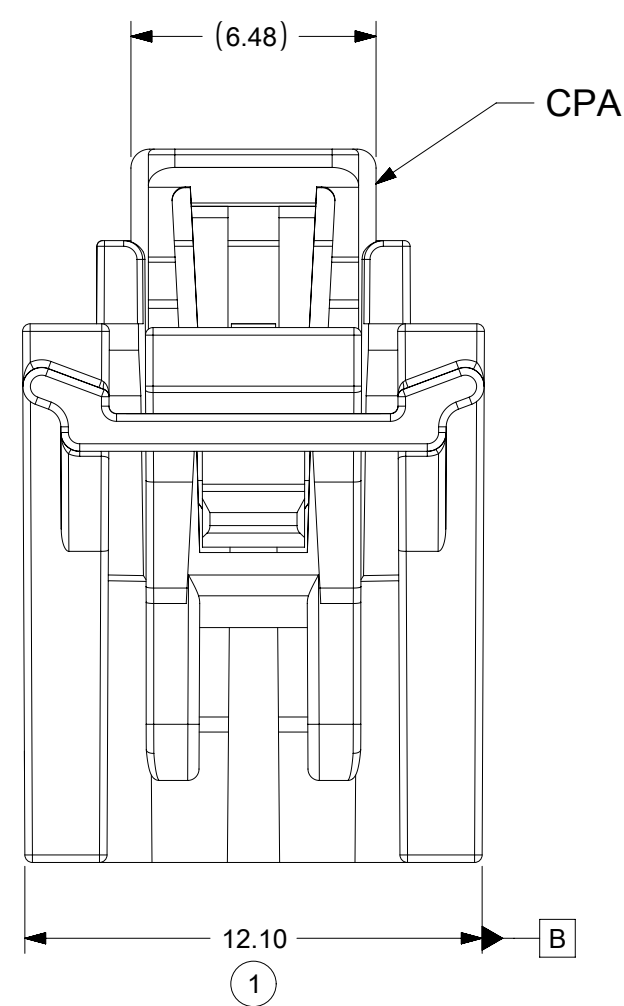
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								
EC NO: 614746 DRWN: SRUSS CHKD: REV: APPR:	2019/03/27	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS MM ONLY	SCALE 5:1																				
		ANGULAR TOL $\pm 1.0^\circ$	DRWN BY MYOUNG01	DATE 2013/01/31																				
		4 PLACES $\pm$	CHK'D BY	DATE																				
		3 PLACES $\pm$	APPR BY RBAUMAN	DATE 2013/11/13																				
		2 PLACES $\pm 0.1$	DRAWING SIZE A1	THIRD ANGLE PROJECTION																				
		1 PLACE $\pm 0.2$																						
		0 PLACES $\pm$																						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																						
<table><tr><td colspan="2">M8</td><td colspan="2">DIMENSION ADDED ON SHEET 3</td></tr><tr><td colspan="2">M6</td><td colspan="2">ADDED DATUMS AND DATUM NOTE</td></tr><tr><td colspan="2">M5</td><td colspan="2">REMASTERING DRAWING</td></tr><tr><td colspan="2">M2</td><td colspan="2">UPDATED 24 CKT</td></tr><tr><td colspan="2">REV</td><td colspan="2">DESCRIPTION</td></tr></table>					M8		DIMENSION ADDED ON SHEET 3		M6		ADDED DATUMS AND DATUM NOTE		M5		REMASTERING DRAWING		M2		UPDATED 24 CKT		REV		DESCRIPTION	
M8		DIMENSION ADDED ON SHEET 3																						
M6		ADDED DATUMS AND DATUM NOTE																						
M5		REMASTERING DRAWING																						
M2		UPDATED 24 CKT																						
REV		DESCRIPTION																						
<table><tr><td colspan="3"><b>molex</b></td></tr><tr><td colspan="3">MINI 50 SINGLE/DUAL ROW CPA-RECEPTACLE ASSEMBLY SALES DRAWING</td></tr><tr><td colspan="3">PRODUCT CUSTOMER DRAWING</td></tr><tr><td>SERIES 34824</td><td>MATERIAL NUMBER SEE TABLE</td><td>CUSTOMER GENERAL MARKET</td></tr><tr><td colspan="2">DOCUMENT NUMBER SD-34824-003</td><td>DOC TYPE PSD</td></tr><tr><td colspan="2">DOC PART 001</td><td>SHEET NUMBER 1 OF 4</td></tr></table>					<b>molex</b>			MINI 50 SINGLE/DUAL ROW CPA-RECEPTACLE ASSEMBLY SALES DRAWING			PRODUCT CUSTOMER DRAWING			SERIES 34824	MATERIAL NUMBER SEE TABLE	CUSTOMER GENERAL MARKET	DOCUMENT NUMBER SD-34824-003		DOC TYPE PSD	DOC PART 001		SHEET NUMBER 1 OF 4		
<b>molex</b>																								
MINI 50 SINGLE/DUAL ROW CPA-RECEPTACLE ASSEMBLY SALES DRAWING																								
PRODUCT CUSTOMER DRAWING																								
SERIES 34824	MATERIAL NUMBER SEE TABLE	CUSTOMER GENERAL MARKET																						
DOCUMENT NUMBER SD-34824-003		DOC TYPE PSD																						
DOC PART 001		SHEET NUMBER 1 OF 4																						

24CKT POLARIZATIONS SHOWN ARE REPRESENTATIVE FOR 16 AND 20CKT

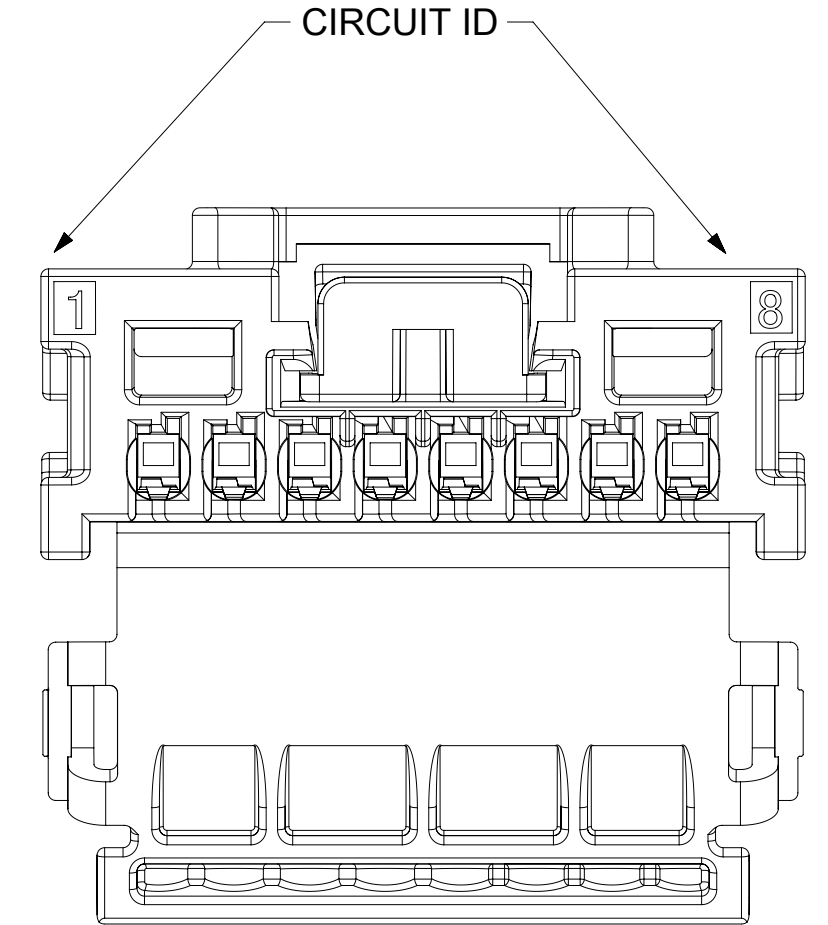
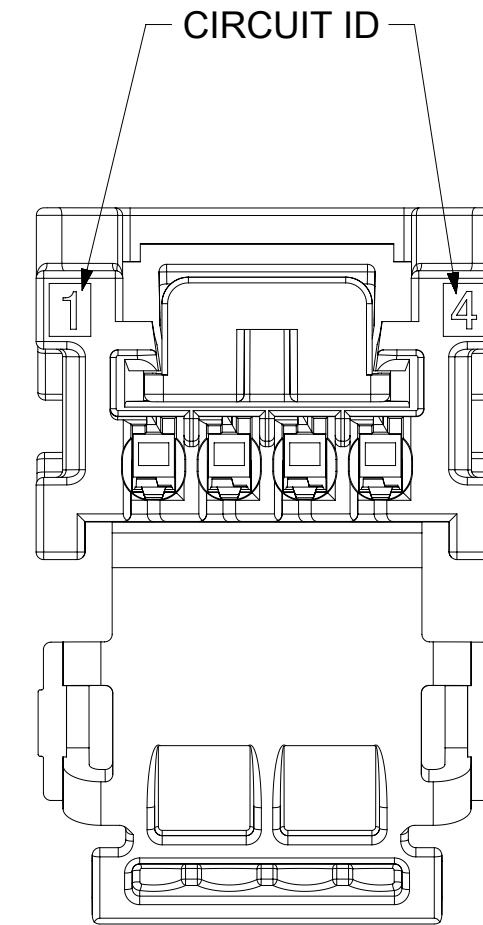
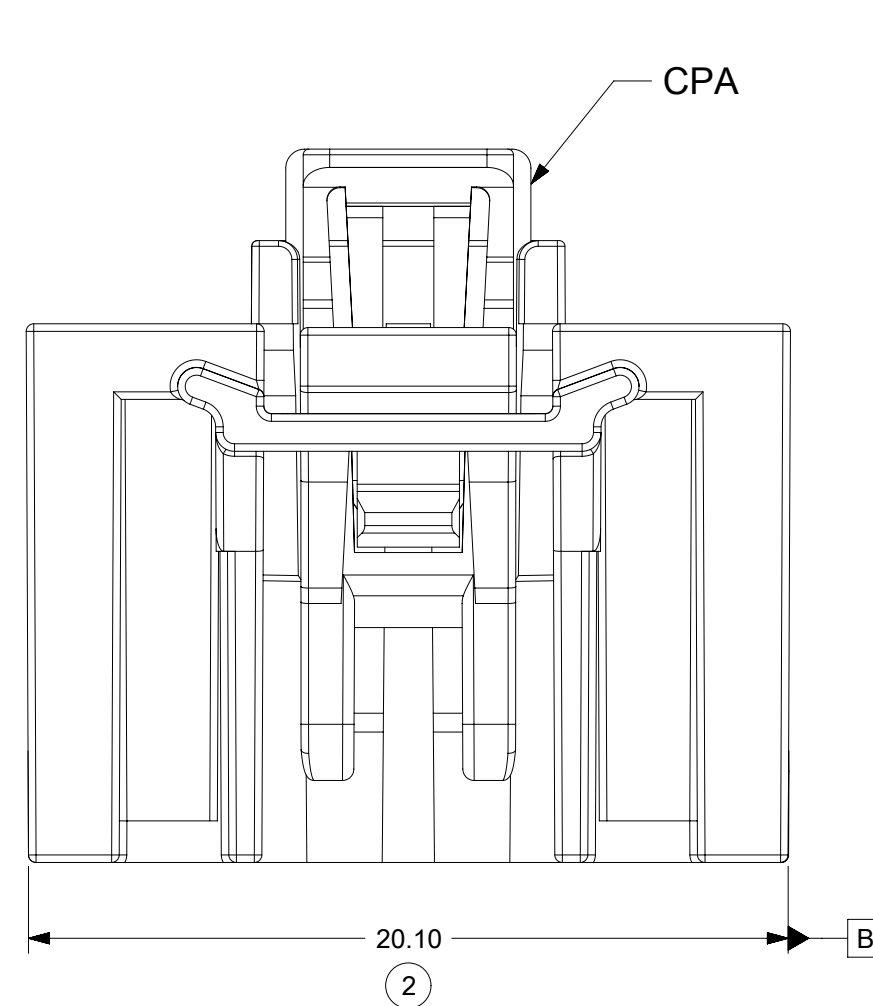
4CKT BRIDGE OPTION W/CPA IN PRE-LOCK



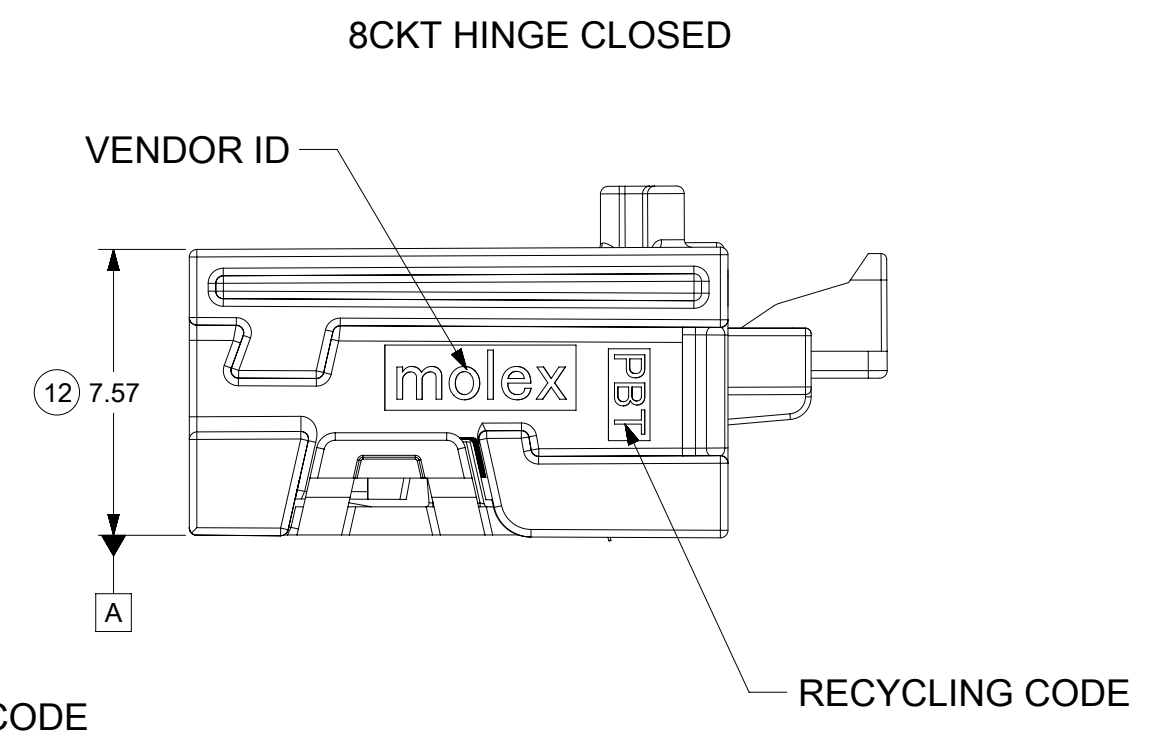
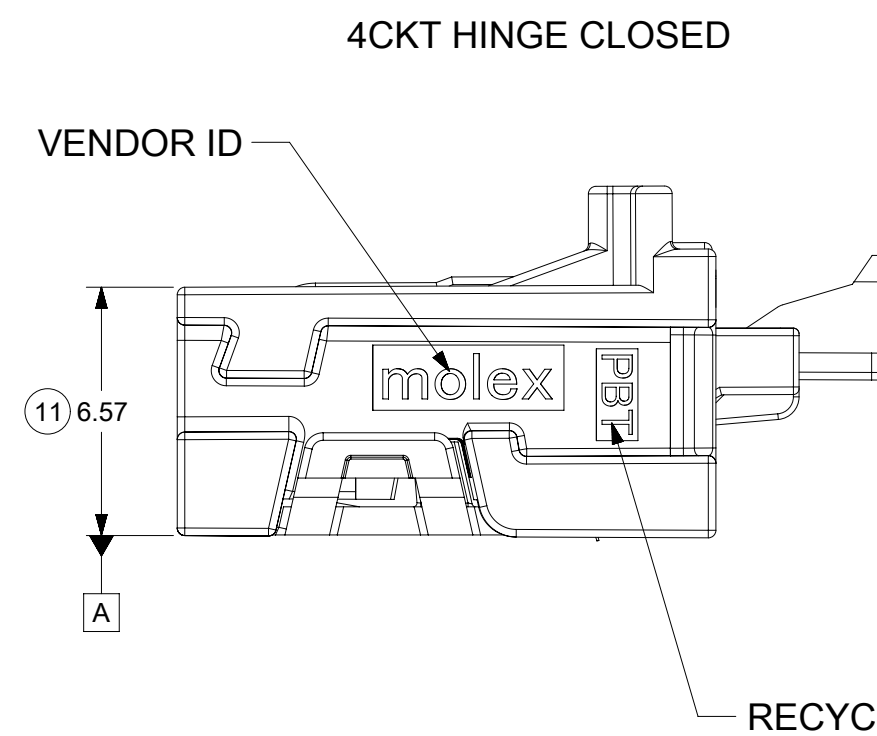
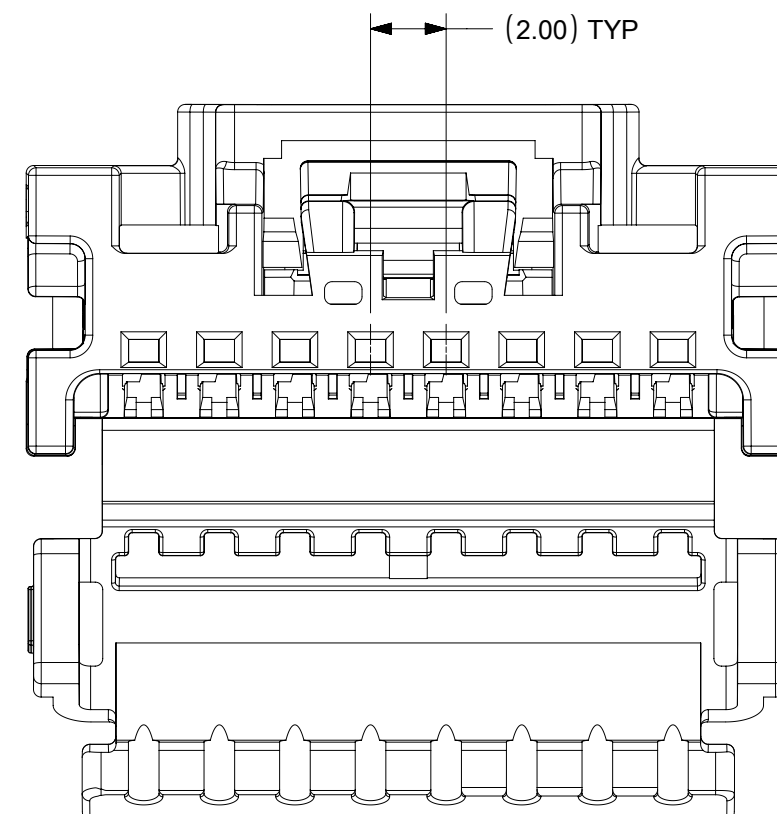
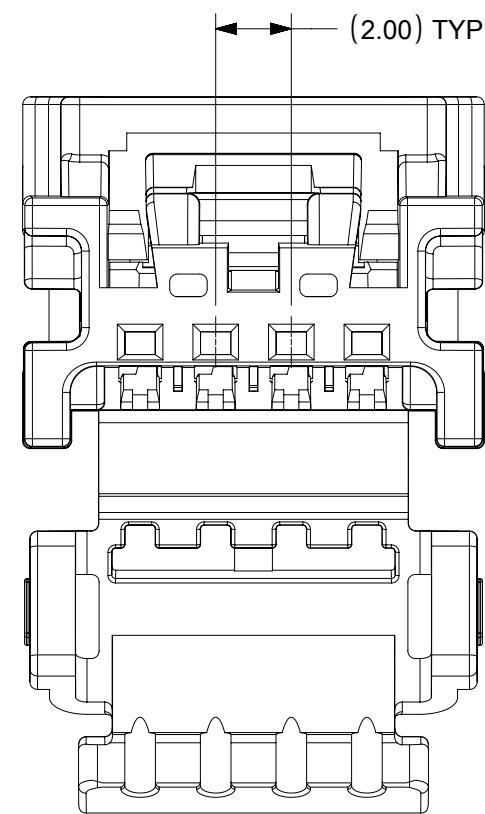
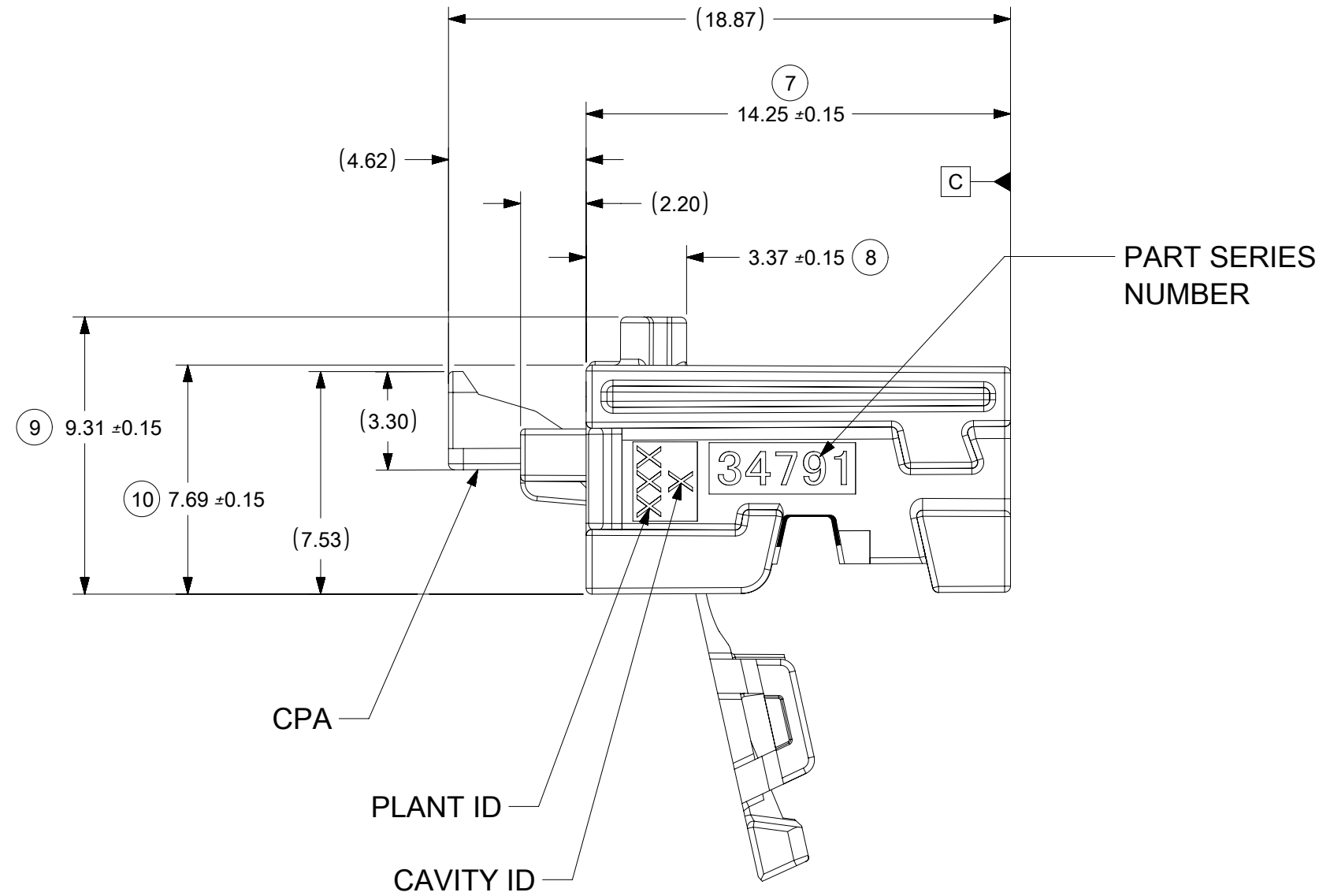
4CKT USCAR  
COMPATIBLE  
RECEPTACLE W/CPA



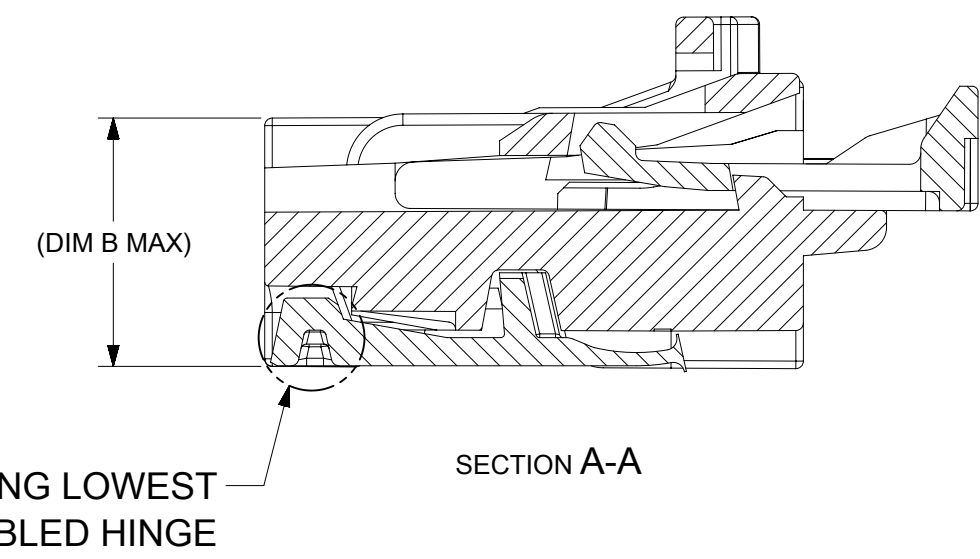
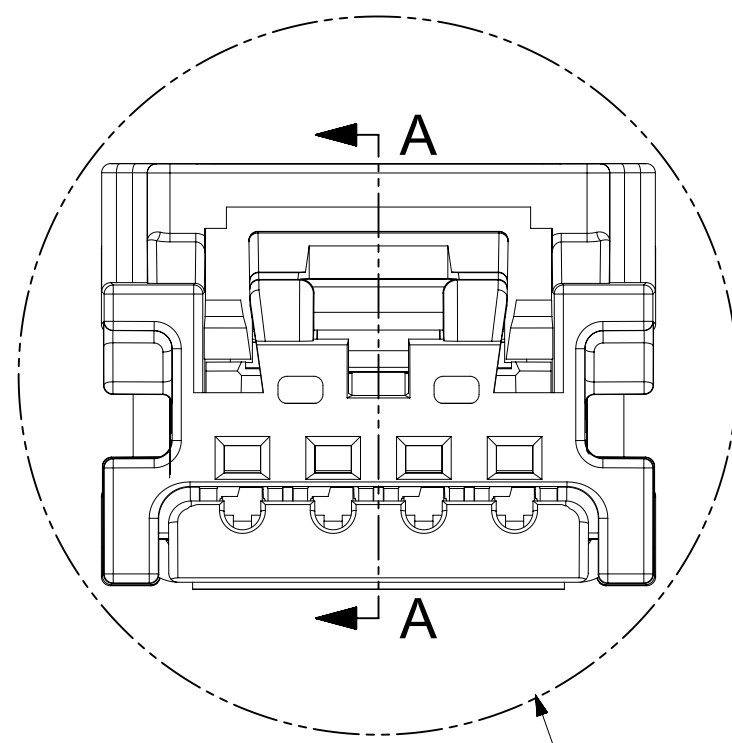
8CKT USCAR  
COMPATIBLE  
RECEPTACLE W/CPA



8CKT BRIDGE OPTION W/CPA IN PRE-LOCK



4CKT HINGE CLOSED



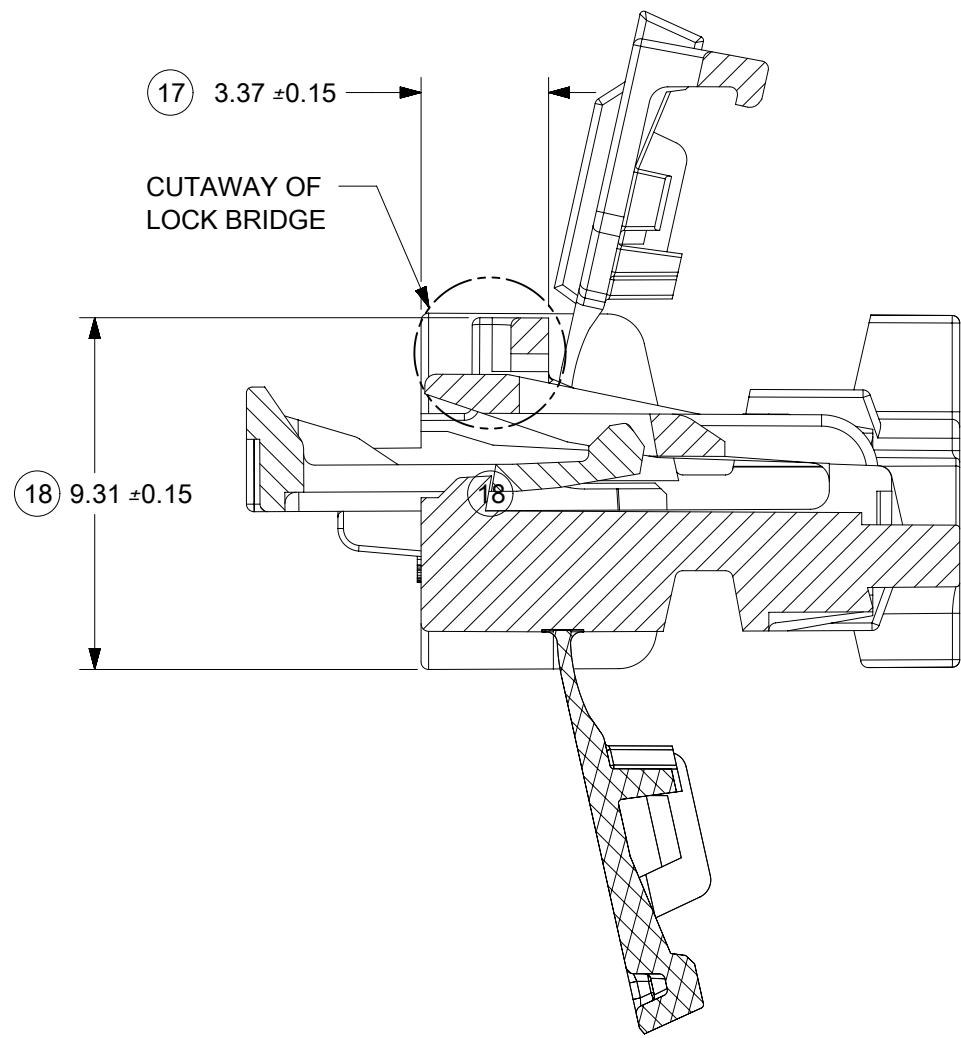
CHARTED DIMENSIONS		
DESCRIPTION	DIMENSION	
	A	B
4 CKT	16.09	6.77
8 CKT	22.52	7.77
12 CKT	23.18	8.47
16 CKT	26.87	8.47
20 CKT	30.65	8.47
24 CKT	34.47	8.47

PASS THRU DIAMETER  
Ø DIM A  
1 mm ADDITIONAL CLEARANCE  
ADDED TO TIGHTEST FIT CIRCLE

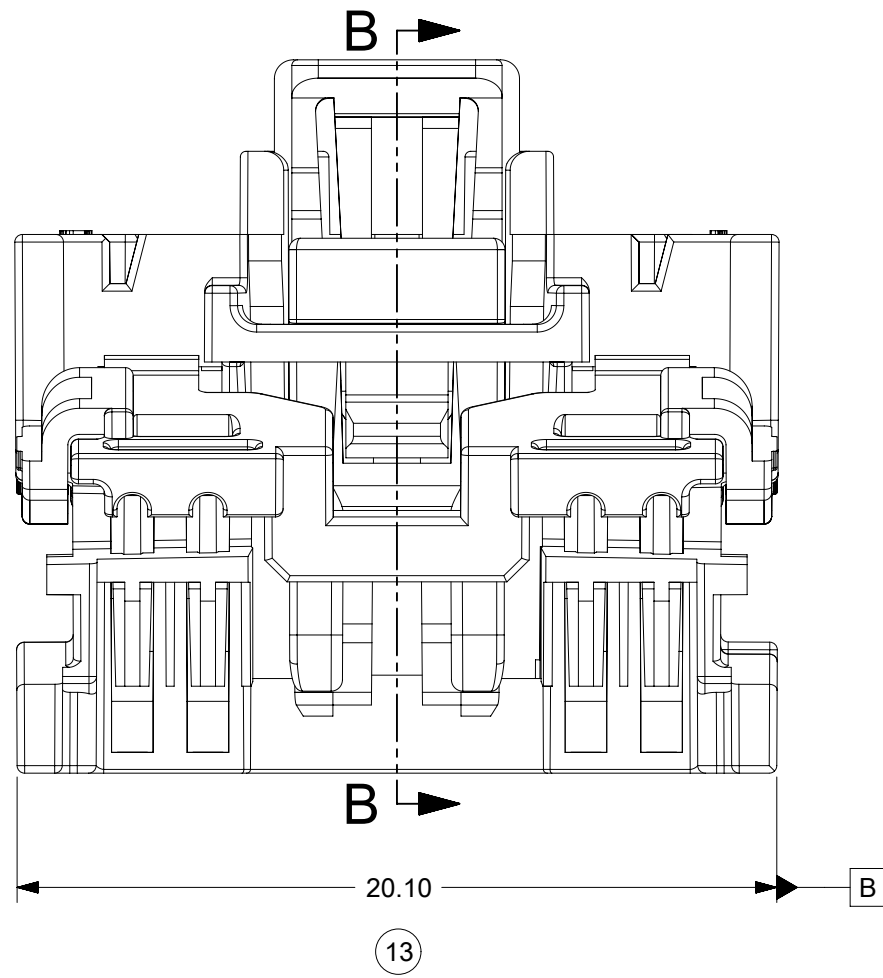
PENDING  
APPROVAL

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:				<div>molex</div> <div>MINI 50 SINGLE/DUAL ROW CPA-RECEPTACLE ASSEMBLY SALES DRAWING</div>									
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL		± 1.0 °		EC NO: 614746 DRWN: SRUSS CHK'D: APPR:													
4 PLACES		±		2019/03/27													
3 PLACES		±						PRODUCT CUSTOMER DRAWING									
2 PLACES		± 0.1		INITIAL REVISION:				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
1 PLACE		± 0.2		DRWN: TMACHUGA APPR: RBAUMAN				SD-34824-003				PSD		001		M8	
0 PLACES		±		2013/10/15 2013/11/13				MATERIAL NUMBER				CUSTOMER				SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		GENERAL MARKET				2 OF 4			
						A1-SIZE		34824									

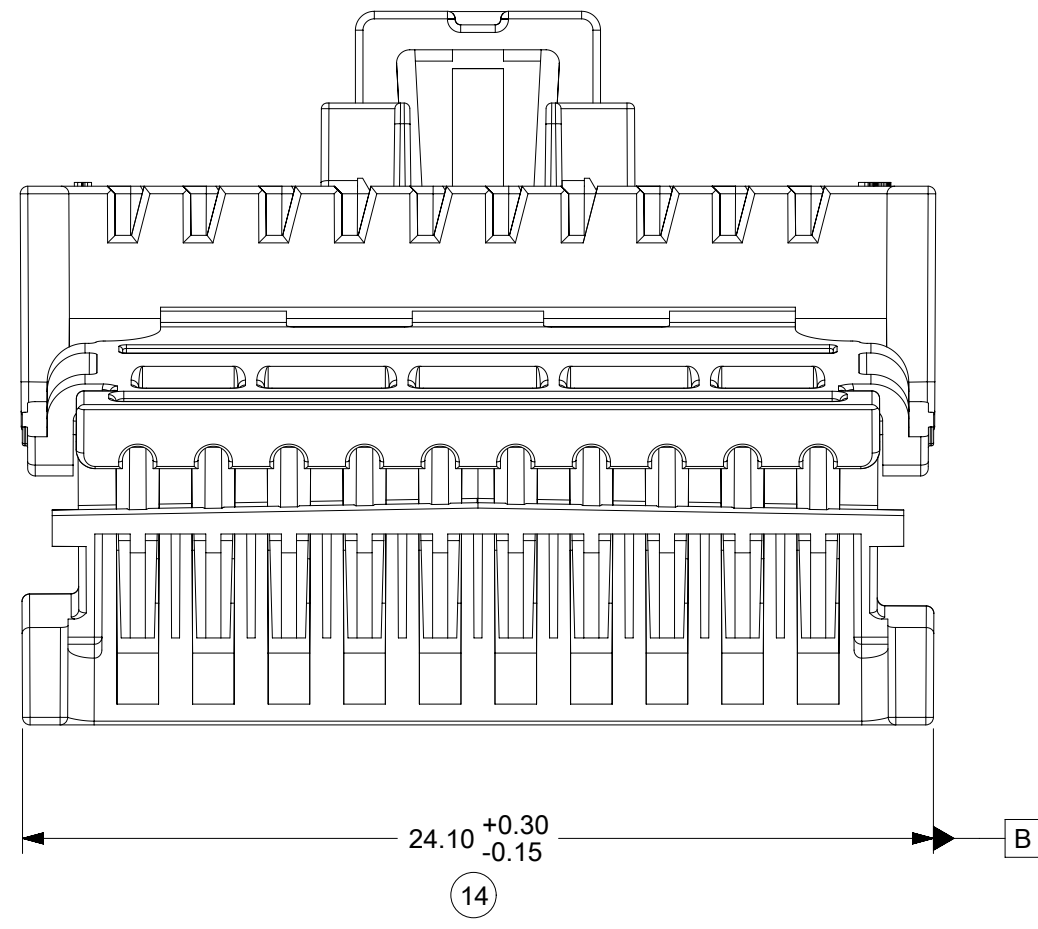
DUAL ROW LOCK BRIDGE OPTION



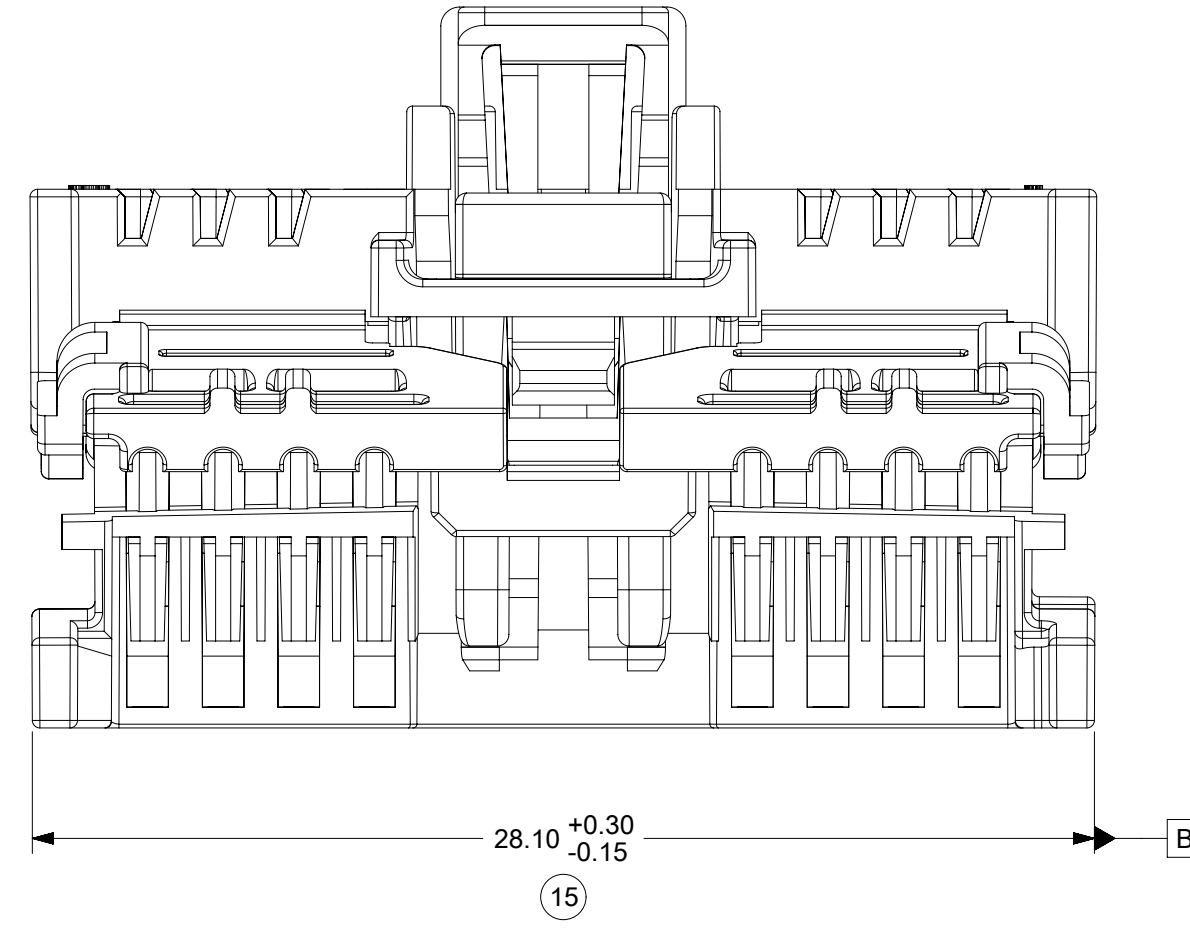
12 CKT USCAR COMPATIBLE  
RECEPTACLE W/CPA



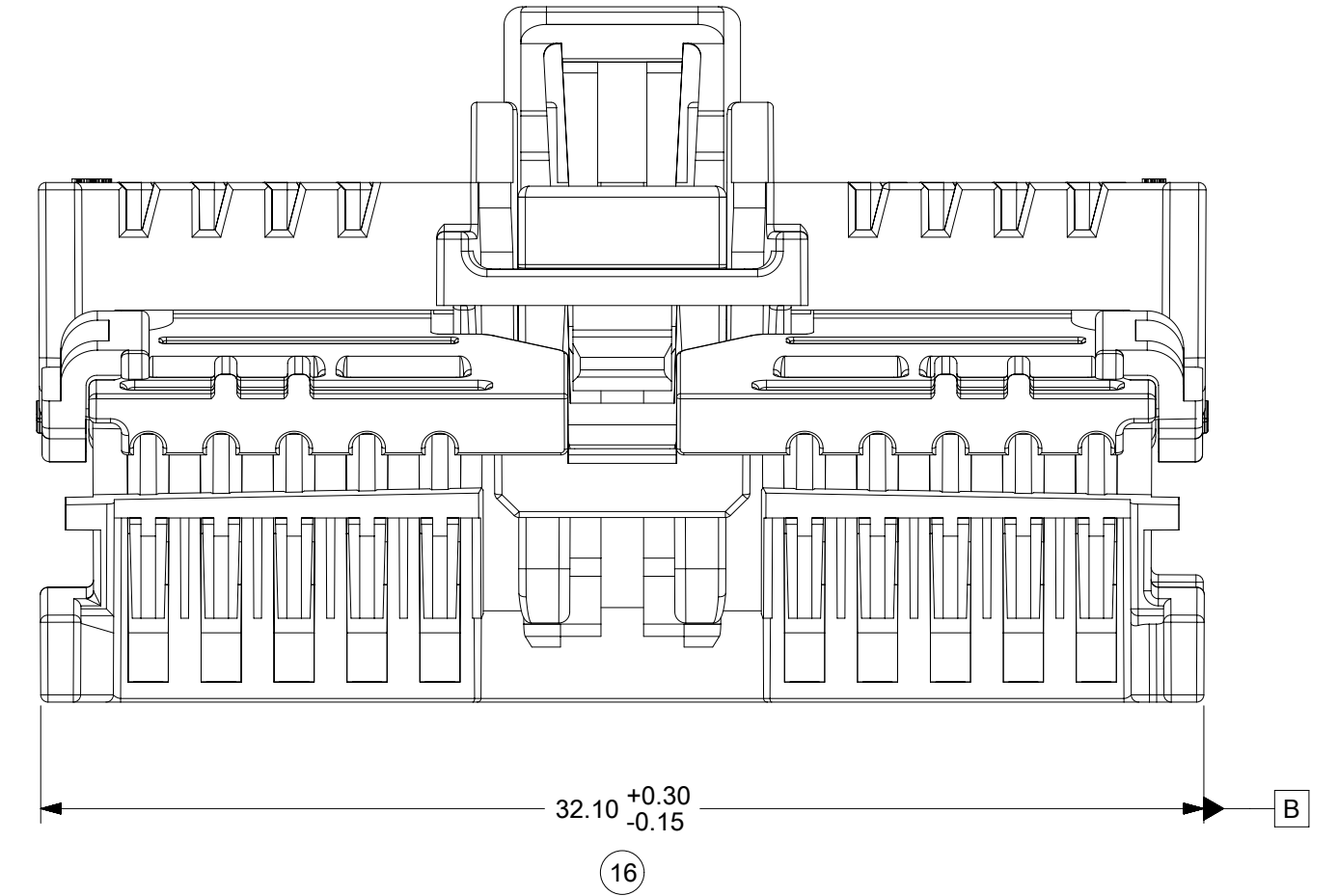
16 CKT USCAR COMPATIBLE  
RECEPTACLE W/CPA



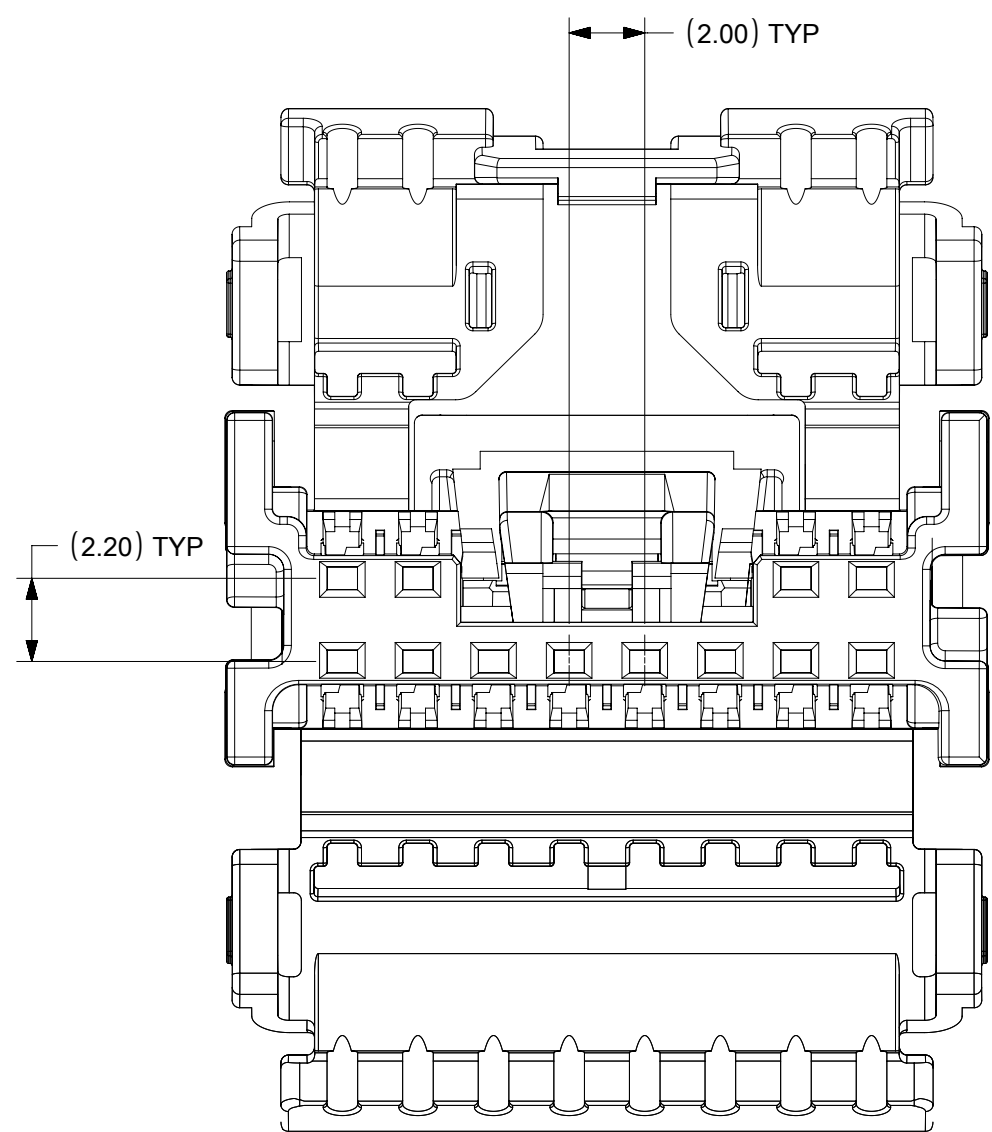
20 CKT USCAR COMPATIBLE  
RECEPTACLE W/CPA



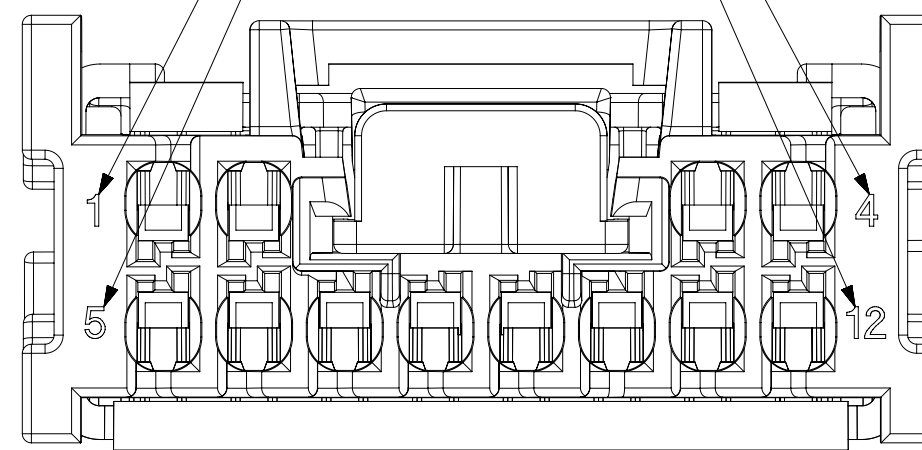
24 CKT USCAR COMPATIBLE  
RECEPTACLE W/CPA



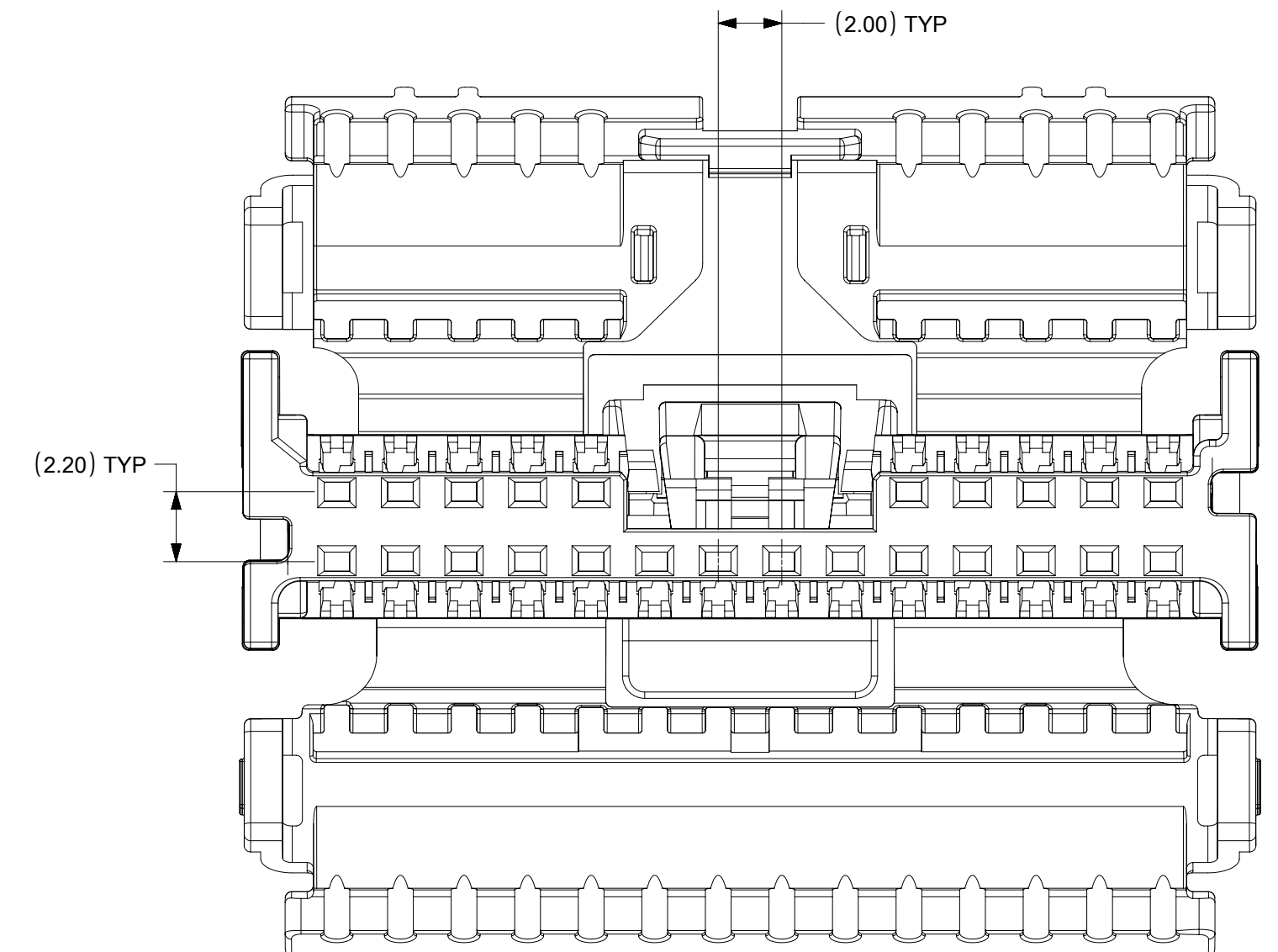
SECTION B-B



CIRCUIT ID

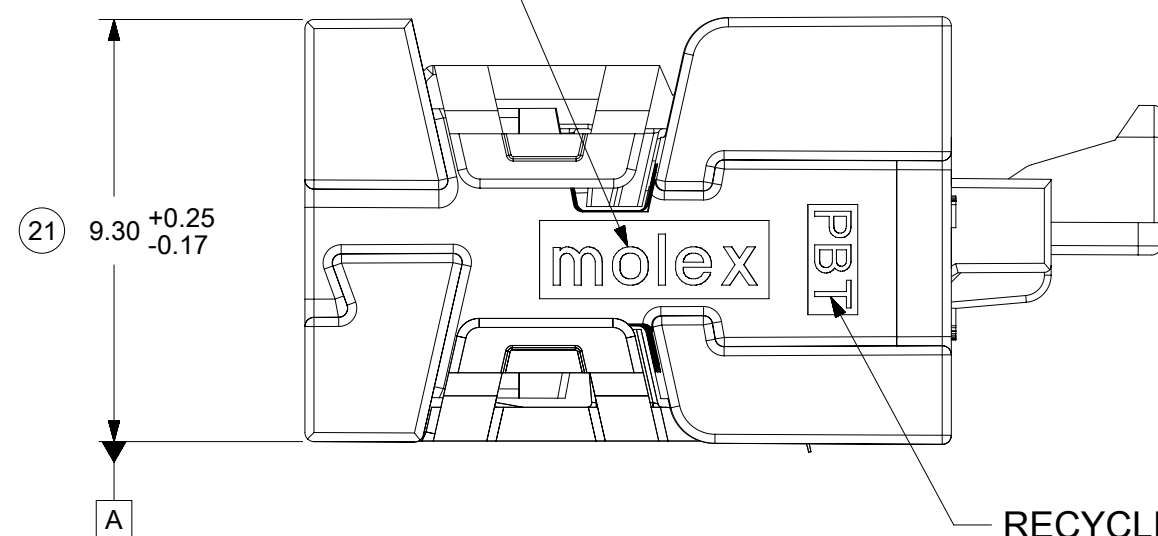


(2.20) TYP



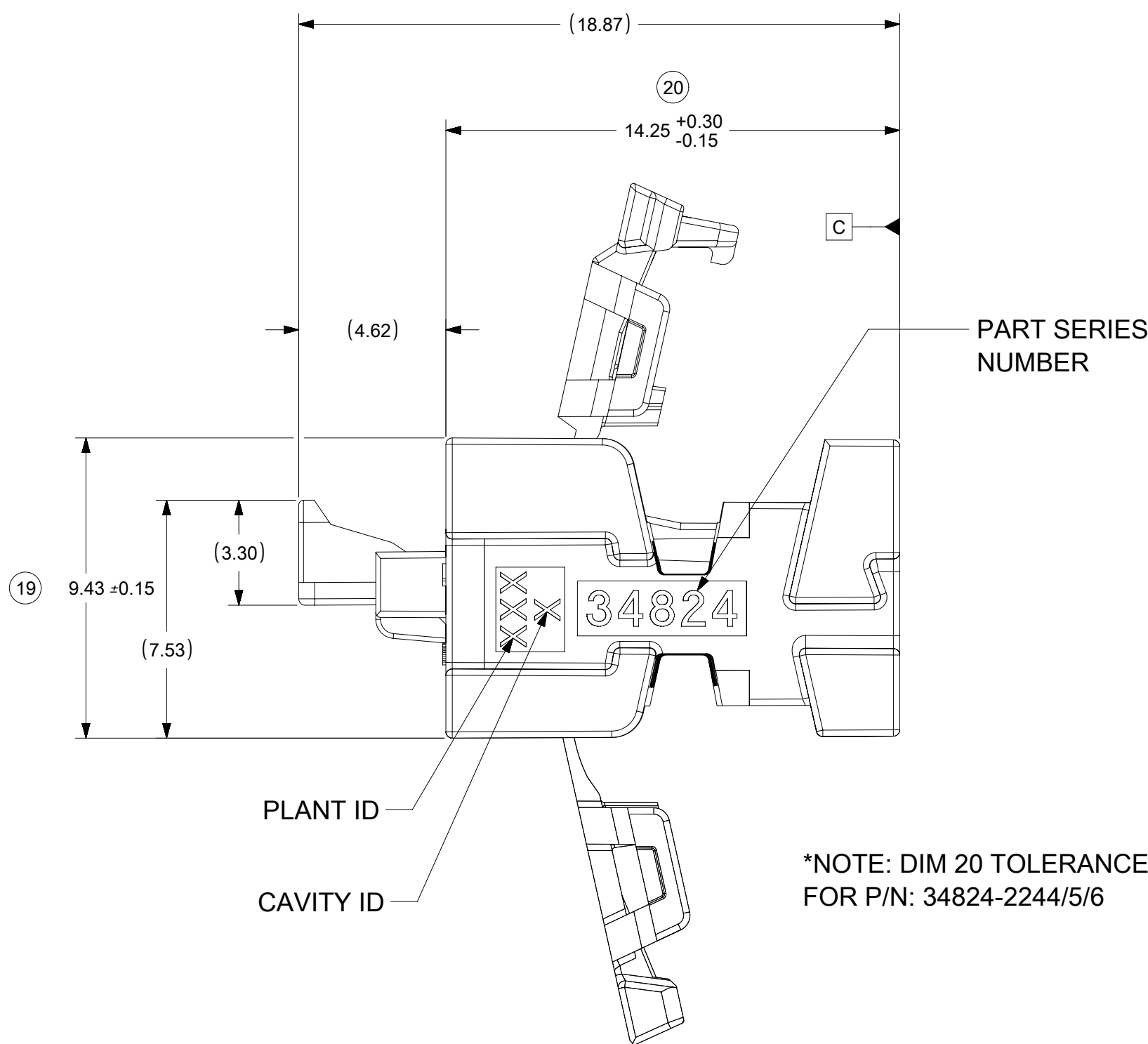
HINGES CLOSED

VENDOR ID



RECYCLING CODE

PENDING  
APPROVAL



\*NOTE: DIM 20 TOLERANCE IS +0.30/-0.15  
FOR P/N: 34824-2244/5/6

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

SYMBOLS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	= 0	mm	DIMENSION UNITS	5:1	SCALE
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	= 0	ANGULAR TOL	±	1.0 °	
	= 0	4 PLACES	±		
	= 0	3 PLACES	±		
	= 0	2 PLACES	±	0.1	
	= 0	1 PLACE	±	0.2	
	= 0	0 PLACES	±		
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
	= 0	THIRD ANGLE PROJECTION		DRAWING	A1-SIZE
			SERIES	34824	
			CURRENT REV DESC:		
			EC NO: 614746		
			DRWN: SRUSS		
			2019/03/27		
			CHK'D:		
			APPR:		
			INITIAL REVISION:		
			DRWN: TMACHUGA		
			2013/10/15		
			2013/11/13		
			APPR: RBAUMAN		
			SD-34824-003		
			PSD		
			001		
			M8		
			GENERAL MARKET		
			3 OF 4		

DOCUMENT STATUS	RQ	RELEASE DATE



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	TAPE AND REEL PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TAPE AND REEL PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688
34791-5140	13507113	USCAR	PBT	4	A	BLACK	34912-8040	34912-9040	34792-0040	34792-9040	34793-0040	34793-9040
34791-5141	13507115	USCAR		4	B	LIGHT GRAY	34912-8041	34912-9041	34792-0041	34792-9041	34793-0041	34793-9041
34791-5142	13507116	USCAR		4	C	DARK GRAY	34912-8042	34912-9042	34792-0042	34792-9042	34793-0042	34793-9042
34791-5143	13507117	USCAR		4	D	GREEN	34912-8043	34912-9043	34792-0043	34792-9043	34793-0043	34793-9043
34791-5180	13507118	USCAR		8	A	BLACK	34912-8080	34912-9080	34792-0080	34792-9080	34793-0080	34793-9080
34791-5181	13507119	USCAR		8	B	LIGHT GRAY	34912-8081	34912-9081	34792-0081	34792-9081	34793-0081	34793-9081
34791-5182	13507120	USCAR		8	C	DARK GRAY	34912-8082	34912-9082	34792-0082	34792-9082	34793-0082	34793-9082

	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	TAPE AND REEL PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TAPE AND REEL PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688
	34824-2164	N/A	USCAR	ECOPAXX	16	A	BLACK	34897-8160	34897-9160	34825-0160	34825-9160	34826-0160	34826-9160
	34824-2165	N/A	USCAR		16	B	LIGHT GRAY	34897-8161	34897-9161	34825-0161	34825-9161	34826-0161	34826-9161
	34824-2166	N/A	USCAR		16	C	DARK GRAY	34897-8162	34897-9162	34825-0162	34825-9162	34826-0162	34826-9162
	34824-2204	13596105	USCAR		20	A	BLACK	34897-8200	34897-9200	34825-0200	34825-9200	34826-0200	34826-9200
	34824-2205	13596106	USCAR		20	B	LIGHT GRAY	34897-8201	34897-9201	34825-0201	34825-9201	34826-0201	34826-9201
	34824-2206	13596107	USCAR		20	C	DARK GRAY	34897-8202	34897-9202	34825-0202	34825-9202	34826-0202	34826-9202
	34824-2244	N/A	USCAR		24	A	BLACK	34897-8240	34897-9240	34825-0240	34825-9240	34826-0240	34826-9240
	34824-2245	N/A	USCAR		24	B	LIGHT GRAY	34897-8241	34897-9241	34825-0241	34825-9241	34826-0241	34826-9241
	34824-2246	N/A	USCAR		24	C	DARK GRAY	34897-8242	34897-9242	34825-0242	34825-9242	34826-0242	34826-9242
	34824-5124	13507121	USCAR	PBT	12	A	BLACK	34897-8120	34897-9120	34825-0124	34825-9124	34826-0124	34826-9124
	34824-5125	13507122	USCAR		12	B	LIGHT GRAY	34897-8121	34897-9121	34825-0125	34825-9125	34826-0125	34826-9125
	34824-5126	13507114	USCAR		12	C	DARK GRAY	34897-8122	34897-9122	34825-0126	34825-9126	34826-0126	34826-9126
	34824-2160	N/A	USCAR		16	A	BLACK	34897-8160	34897-9160	34825-0160	34825-9160	34826-0160	34826-9160
	34824-2161	N/A	USCAR		16	B	LIGHT GRAY	34897-8161	34897-9161	34825-0161	34825-9161	34826-0161	34826-9161
	34824-2162	N/A	USCAR		16	C	DARK GRAY	34897-8162	34897-9162	34825-0162	34825-9162	34826-0162	34826-9162
	34824-2200	13596105	USCAR		20	A	BLACK	34897-8200	34897-9200	34825-0200	34825-9200	34826-0200	34826-9200
	34824-2201	13596106	USCAR		20	B	LIGHT GRAY	34897-8201	34897-9201	34825-0201	34825-9201	34826-0201	34826-9201
	34824-2202	13596107	USCAR		20	C	DARK GRAY	34897-8202	34897-9202	34825-0202	34825-9202	34826-0202	34826-9202
	34824-2240	N/A	USCAR		24	A	BLACK	34897-8240	34897-9240	34825-0240	34825-9240	34826-0240	34826-9240
	34824-2241	N/A	USCAR		24	B	LIGHT GRAY	34897-8241	34897-9241	34825-0241	34825-9241	34826-0241	34826-9241
	34824-2242	N/A	USCAR		24	C	DARK GRAY	34897-8242	34897-9242	34825-0242	34825-9242	34826-0242	34826-9242
*NOTE: MOLEX CONFIGURATION CONSISTS OF AN EXPANSION OF THE 12CKT USCAR-COMPATIBLE CONFIGURATION TO ALLOW FOR 16, 20, AND 24 CIRCUITS													

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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
<div>▽ = 0</div> <div>▽ = 0</div> <div>▽ = 0</div> <div>▽ = 0</div> <div>▽ = 0</div> <div>▽ = 0</div> <div>▽ = 0</div> <div>▽ = 0</div> <div>▽ = 0</div>	DIMENSION UNITS		SCALE		CURRENT REV DESC:			<div>molex</div> <div>MINI 50 SINGLE/DUAL ROW CPA-RECEPTACLE ASSEMBLY SALES DRAWING</div>		
	mm		1:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 614746 DRWN: SRUSS 2019/03/27 CHK'D: APPR:			<div>PRODUCT CUSTOMER DRAWING</div> <div>DOCUMENT NUMBER</div> <div>DOC TYPE</div> <div>DOC PART</div> <div>REVISION</div> <div>SD-34824-003</div> <div>PSD</div> <div>001</div> <div>M8</div>		
	ANGULAR TOL ± 1.0°									
	4 PLACES		±		INITIAL REVISION: DRWN: TMACHUGA 2013/10/15 APPR: RBAUMAN 2013/11/13			<div>MATERIAL NUMBER</div> <div>CUSTOMER</div> <div>SHEET NUMBER</div> <div>GENERAL MARKET</div> <div>4 OF 4</div>		
	3 PLACES		±							
	2 PLACES		± 0.1							
	1 PLACE		± 0.2							
	0 PLACES		±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			<div>THIRD ANGLE PROJECTION</div> <div>DRAWING</div> <div>SERIES</div> <div>A1-SIZE</div> <div>34824</div>		

PART NUMBER		MATERIAL	WIRE GAGE (mm <sup>2</sup> )	GRIP
D-WIND (LEFT PAYOFF)	B-WIND (RIGHT PAYOFF)			
560023-0448	560023-0450	COPPER ALLOY	0.35	LARGE
560023-0421	560023-0423	COPPER ALLOY	0.22	MEDIUM
560023-0422	560023-0424	COPPER ALLOY	0.13	SMALL

[illegible]