

CIRCUIT CONFIGURATIONS

RECEPTACLE ASSEMBLY

RECEPTACLE ASSEMBLY
WITH KEY AND WITHOUT CPA

RECEPTACLE ASSEMBLY
WITH KEY AND CPA

2CKT
NOT AVAILABLE

RECEPTACLE ASSEMBLY
WITHOUT KEY

RECEPTACLE ASSEMBLY
WITH KEY AND WITHOUT CPA

RECEPTACLE ASSEMBLY
WITH KEY AND CPA

2 CKT

4 CKT

6 CKT

8 CKT

10 CKT

COLOR REPRESENTATION

HOUSING
(BLACK)

REAR SEAL CAP
(BLACK)

HOUSING
(NATURAL)
SEE NOTE 10

REAR SEAL CAP WITH KEY
(COLORED)

HOUSING
(NATURAL)
SEE NOTE 10

CPA
(RED)

REAR SEAL CAP WITH KEY
(COLORED)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
FUNCTIONAL SYMBOLS FA = 0 FE = 0 FP = 0 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 833145 DRWN: SUAIFR 2025/08/29 CHK'D: SUAIFR 2025/08/29 APPR: GANESY 2025/08/29 INITIAL REVISION: DRWN: TGREGORI 2017/04/26 APPR: RHODGE 2018/01/26			molex RECEPTACLE ASSEMBLY SQUBA 1.8 PRODUCT CUSTOMER DRAWING								
		mm		4:1													
		GENERAL TOLERANCES (UNLESS SPECIFIED)															
		ANGULAR TOL ± 0.5 °							DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		
		4 PLACES		±					2042200000-SD				PSD		000		C5
3 PLACES		±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
2 PLACES		± 0.1				D-SIZE		204220		SEE TABLE		GENERAL MARKET		1 OF 6			
1 PLACE		± 0.2															
0 PLACES		±															

molex

RECEPTACLE ASSEMBLY
SQUBA 1.8

PRODUCT CUSTOMER DRAWING

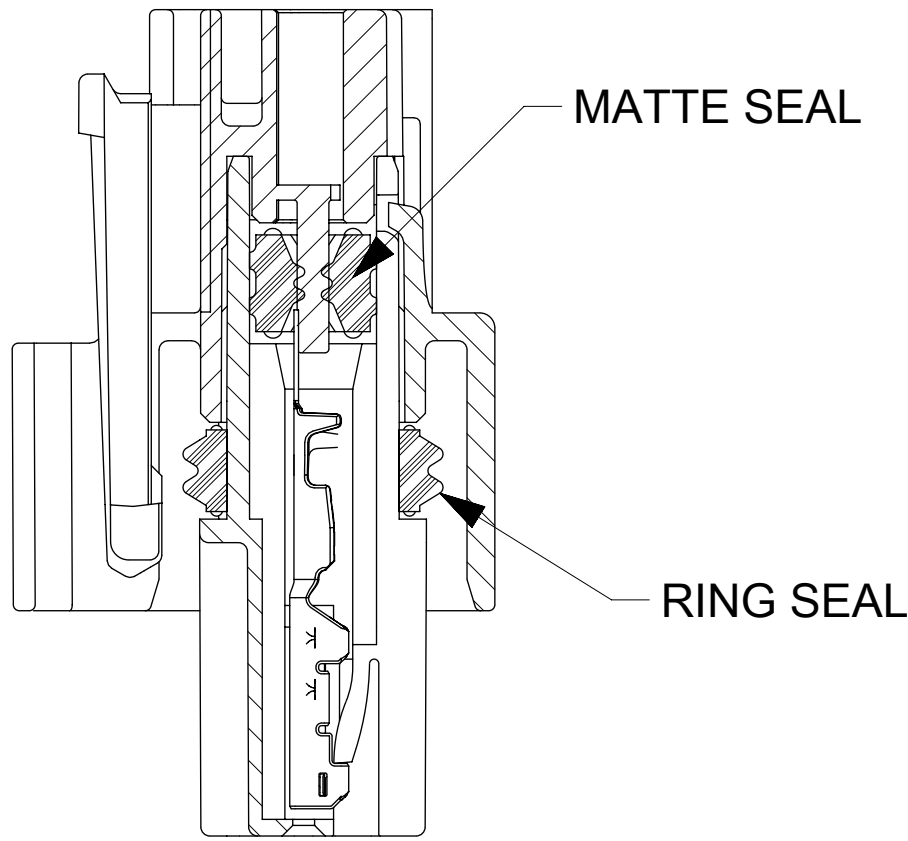
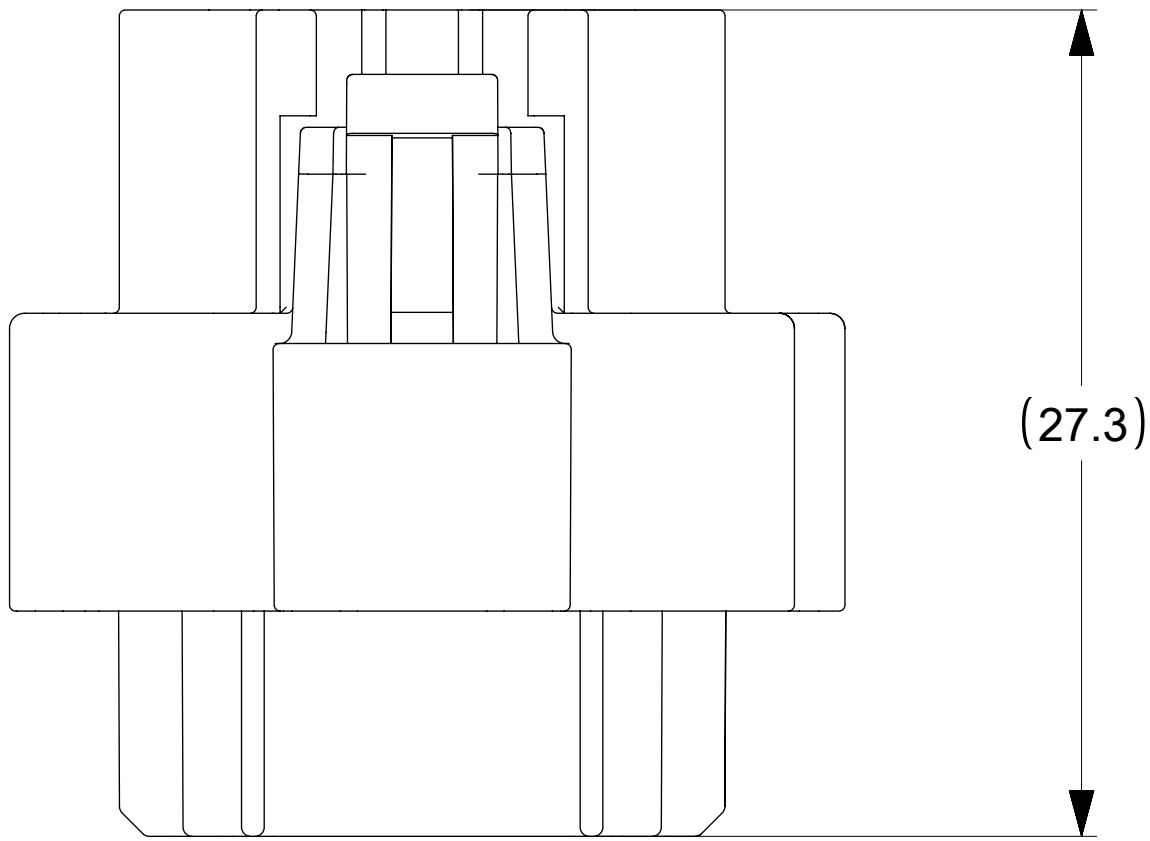
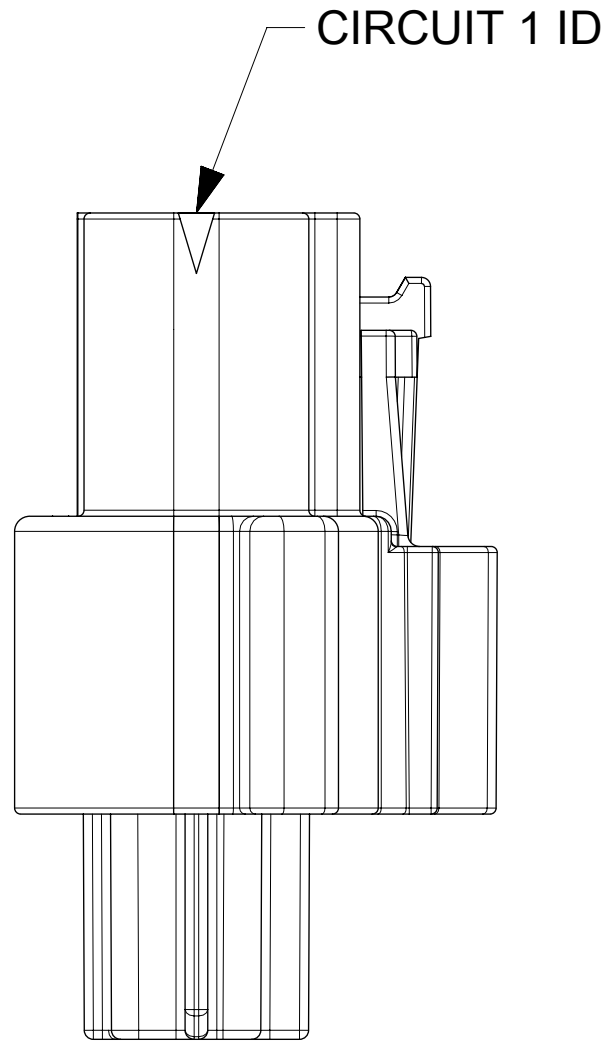
DOCUMENT NUMBER
2042200000-SD

DOC TYPE
PSD

DOC PART
000

REVISION
C5

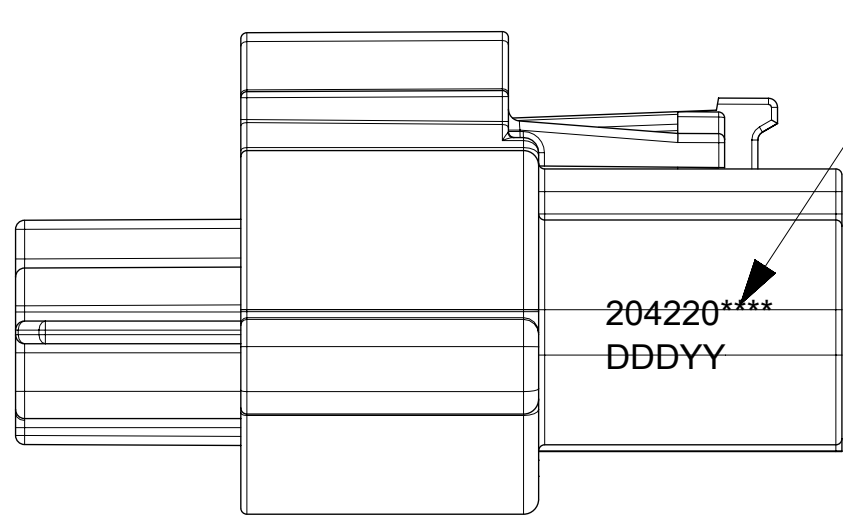
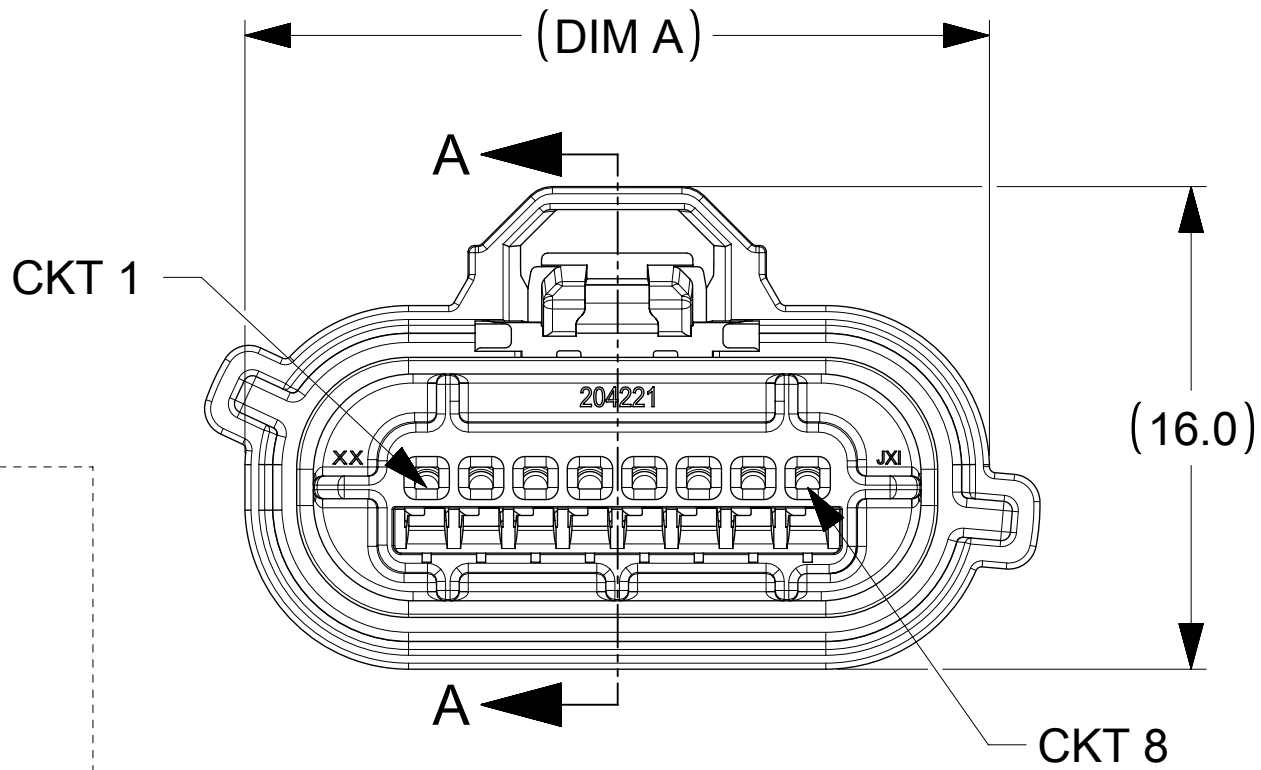
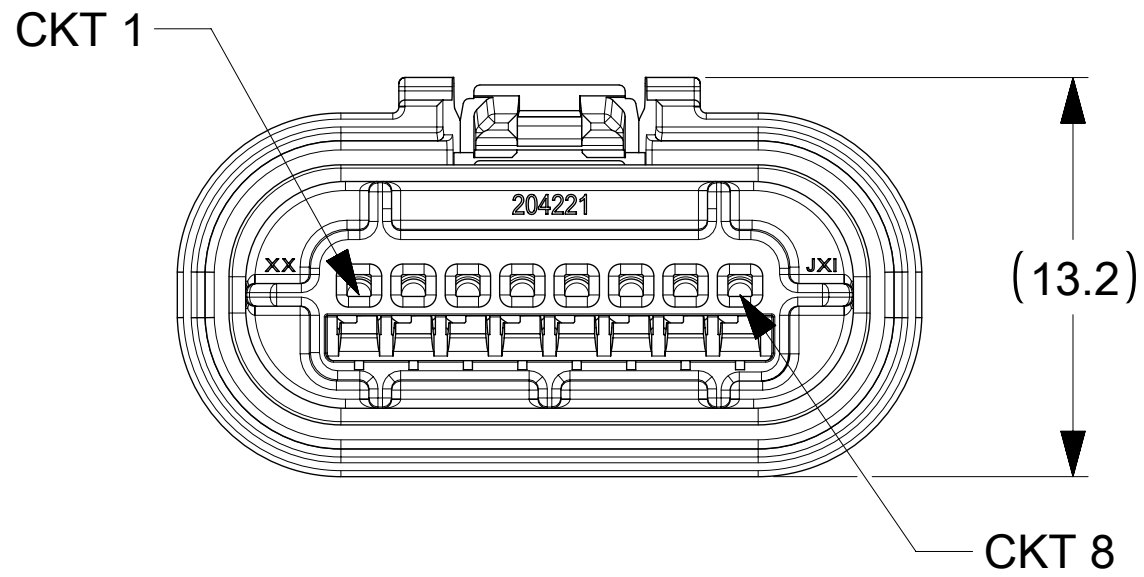
RECEPTACLE ASSEMBLY WITH KEY



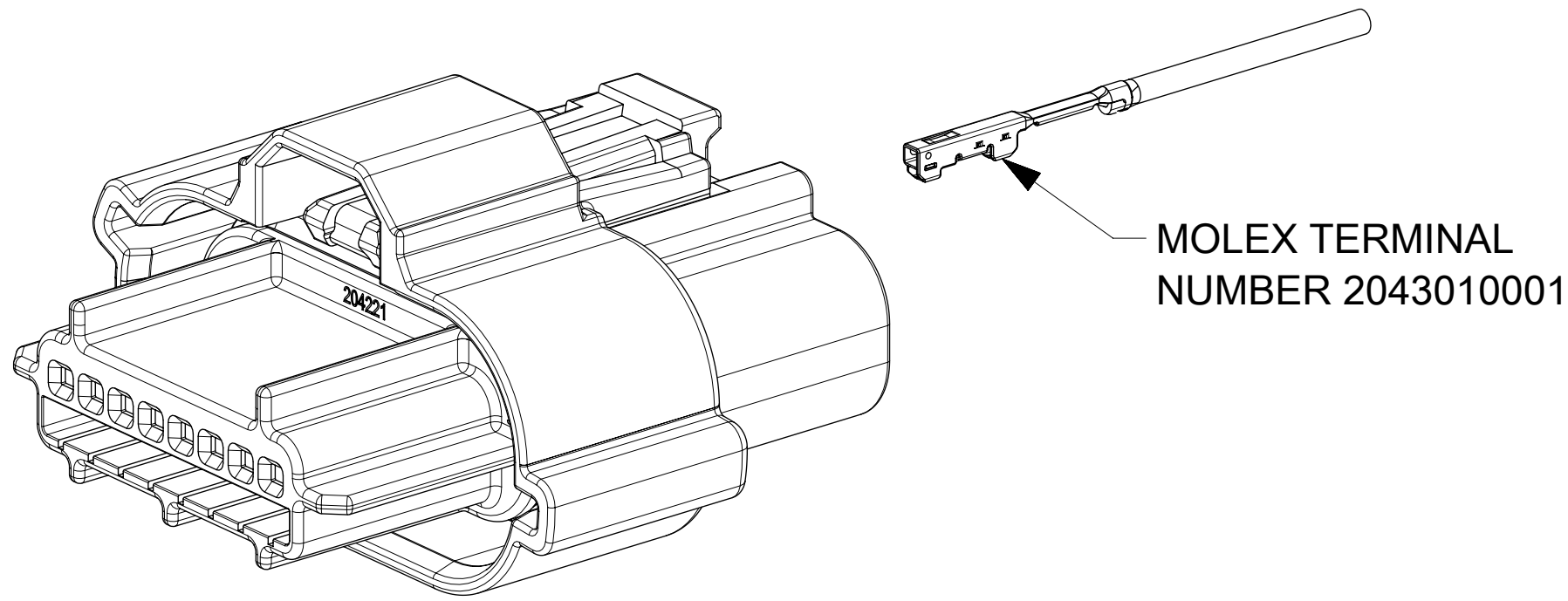
SECTION A-A
TERMINAL SHOWN INSERTED
INTO HOUSING

- NOTES:
1. MATERIAL:
HOUSING & REAR SEAL CAP: NYLON, UL94V-0, COLOR: BLACK
SEALS: INHERENTLY LUBRICATED SILICONE
CPA: PBT. COLOR: RED
 2. FINISH: NONE
 3. PRODUCT SPECIFICATION: 2042200000-PS
 4. APPLICATION SPECIFICATION: 2042200000-AS
 5. PACKAGING SPECIFICATION: 2042200000-PK
 6. PART MATES WITH PLUG SERIES 204223.
 7. PART USES TERMINAL PART NUMBER 2043010001.
 8. PART CONFORMS TO COSMETIC SPEC: PS-45499-002 CLASS C
 9. VOIDED CIRCUITS HAVE A PLUG IN THE MATTE SEAL TO SEAL THE CIRCUIT AND WILL NOT ACCEPT TERMINALS.
 10. THE HOUSING PART FOR ALL THE KEYED VERSION RECEPTACLE ASSEMBLY WILL BE IN NATURAL COLOR.

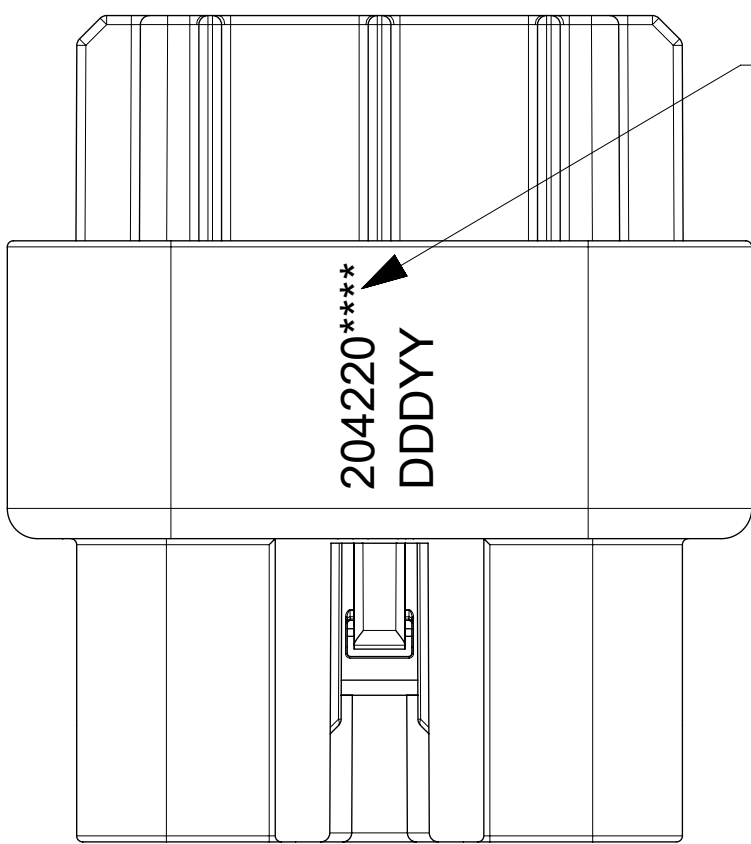
RECEPTACLE ASSEMBLY



LASER MARK THIS SURFACE
MOLEX PART NUMBER AND
JULIAN DATE CODE: DDDYY



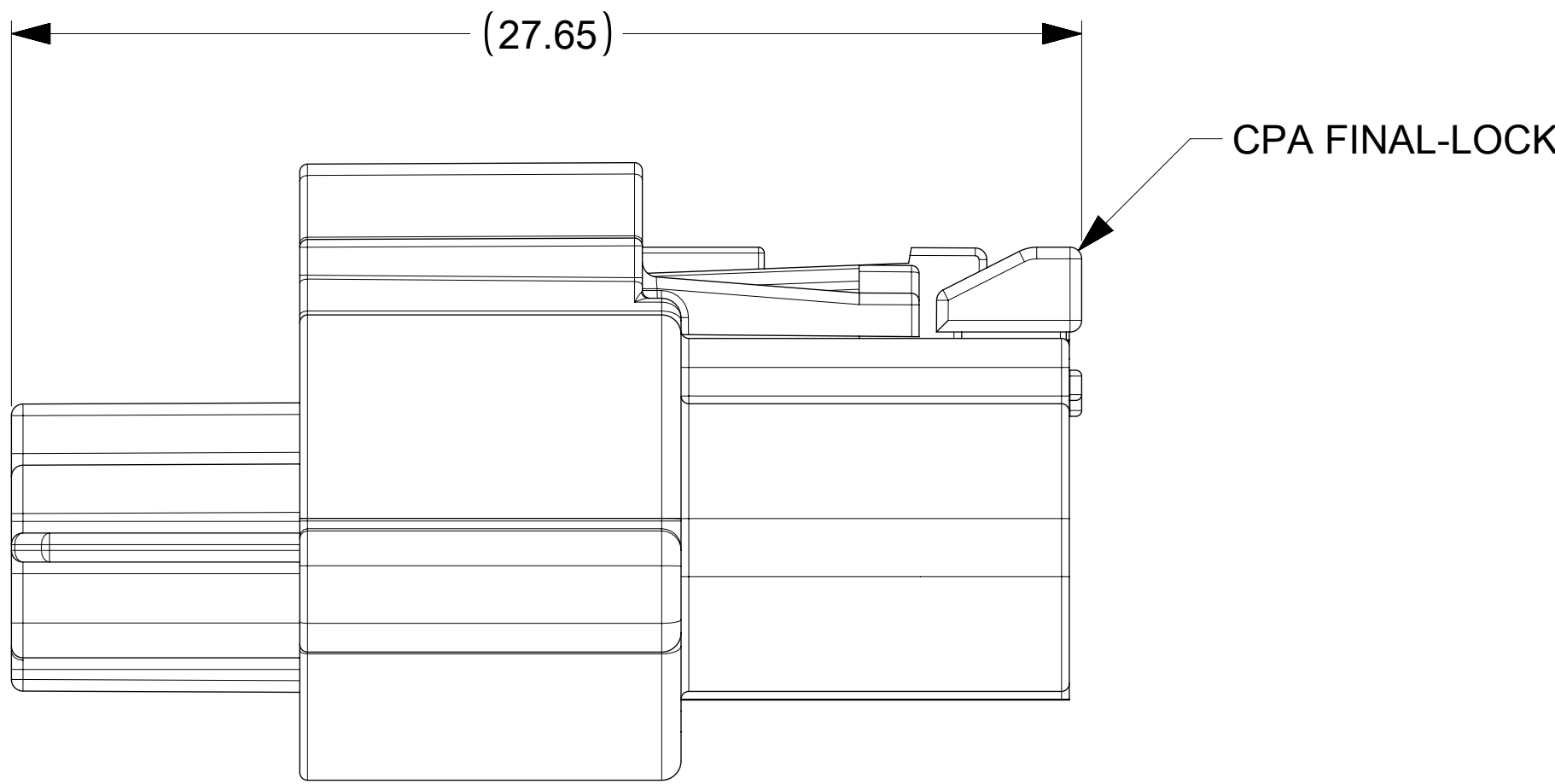
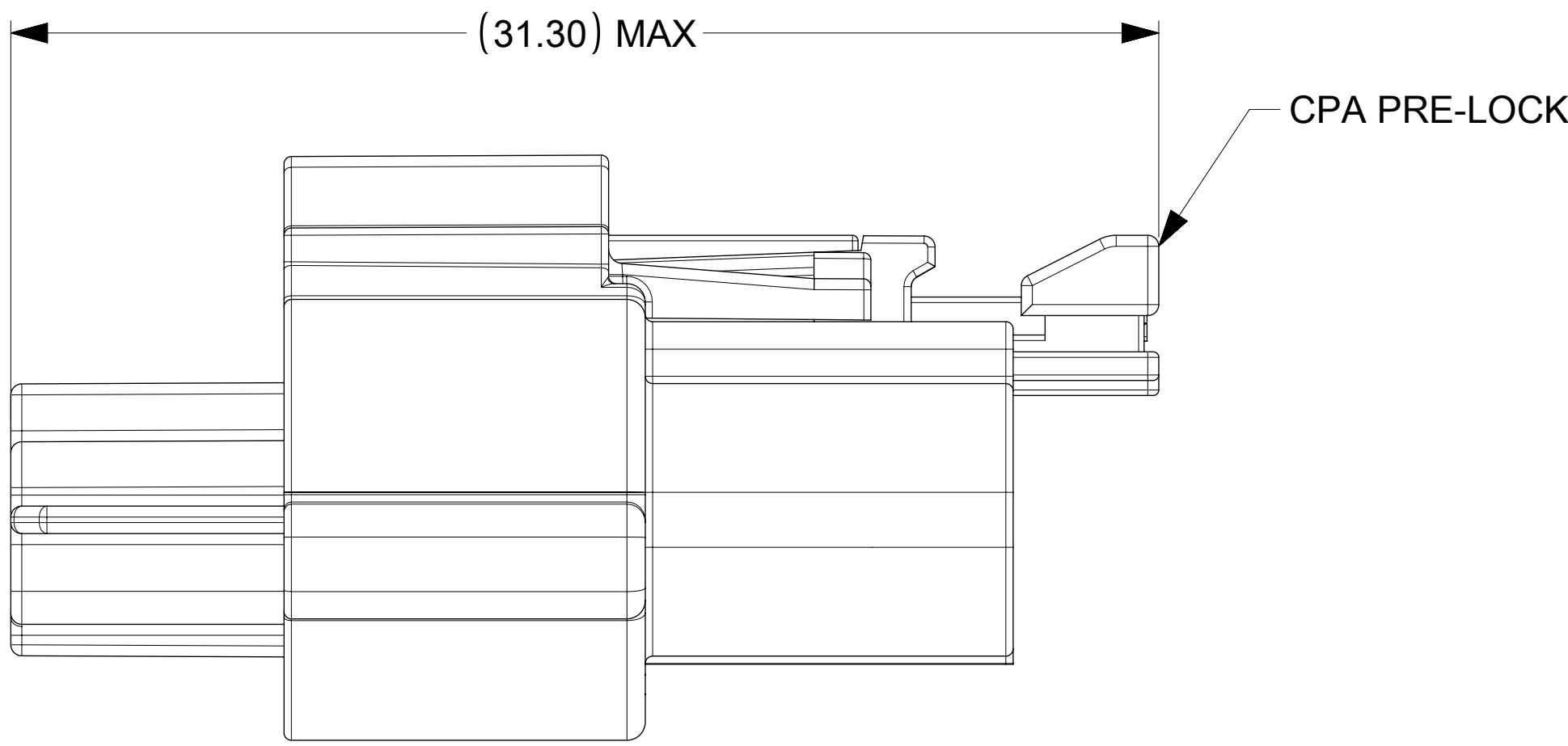
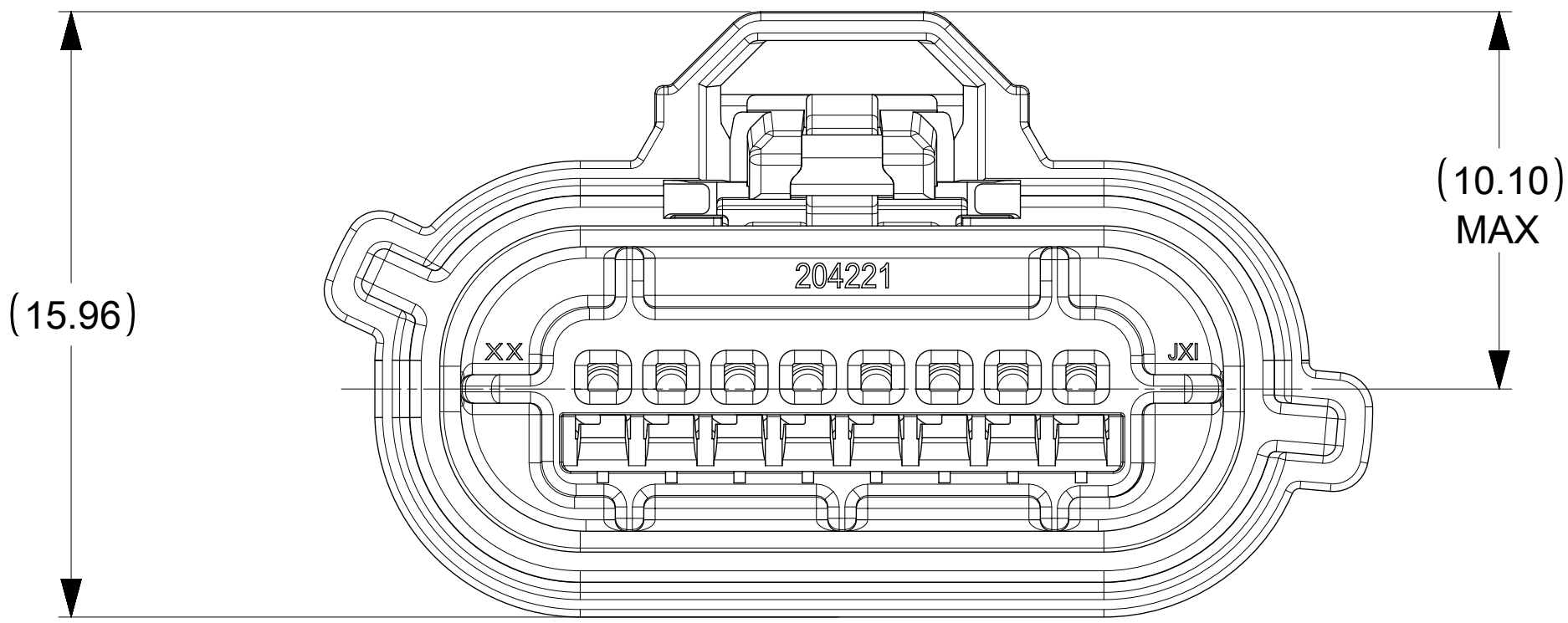
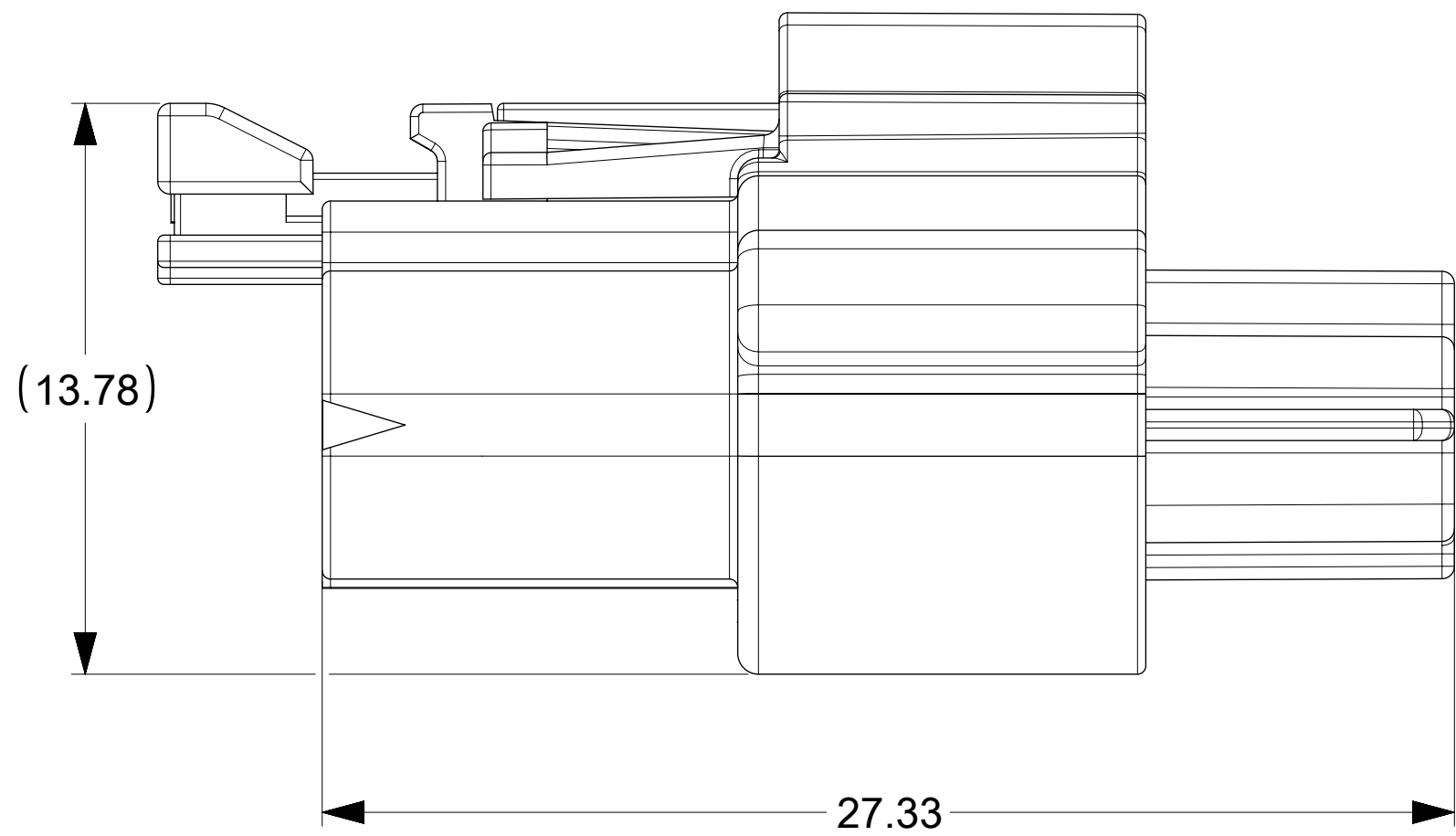
LASER MARK THIS SURFACE
MOLEX PART NUMBER AND
JULIAN DATE CODE: DDDYY



CIRCUIT SIZE	DIM A
2	13.8
4	17.4
6	21.0
8	24.6
10	28.2

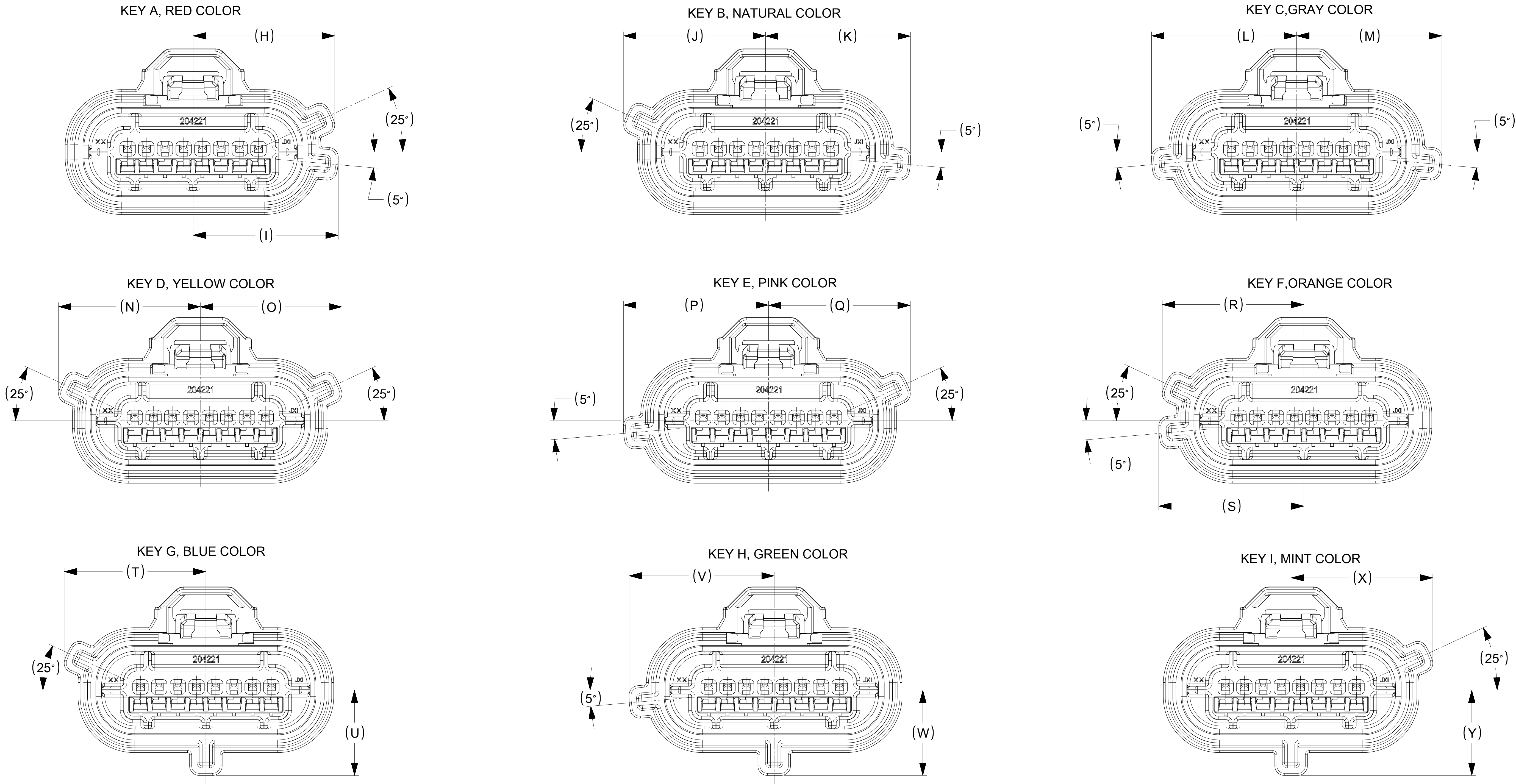
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FUNCTIONAL SYMBOLS FA= 0 FC= 0 FP= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex							
	mm		3:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 833145 DRWN: SUAIFR 2025/08/29 CHK'D: SUAIFR 2025/08/29 APPR: GANESY 2025/08/29			RECEPTACLE ASSEMBLY SQUBA 1.8							
	ANGULAR TOL ± 0.5 °														
DIVISIONAL SYMBOLS	4 PLACES		±		INITIAL REVISION: DRWN: TREGORI 2017/04/26 APPR: RHODGE 2018/01/26			PRODUCT CUSTOMER DRAWING							
	3 PLACES		±												
	2 PLACES		± 0.1												
	1 PLACE		± 0.2												
0 PLACES		±		DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	CUSTOMER		SHEET NUMBER		
						D-SIZE		204220		SEE TABLE		GENERAL MARKET		2 OF 6	

RECEPTACLE ASSEMBLY WITH KEY AND CPA



FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 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	mm	SCALE	6:1	CURRENT REV DESC: EC NO: 833145 DRWN: SUAIFR 2025/08/29 CHK'D: SUAIFR 2025/08/29 APPR: GANESY 2025/08/29 INITIAL REVISION: DRWN: TGREGORI 2017/04/26 APPR: RHODGE 2018/01/26						molex			
	GENERAL TOLERANCES (UNLESS SPECIFIED)													
	ANGULAR TOL ± 0.5°													
	4 PLACES	±												
	3 PLACES	±												
	2 PLACES	±	0.1											
	1 PLACE	±	0.2											
	0 PLACES	±												
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	D-SIZE	SERIES	204220	MATERIAL NUMBER	SEE TABLE	CUSTOMER	GENERAL MARKET	SHEET NUMBER

KEYING CONFIGURATIONS



NOTE: ALL KEYING CONFIGURATIONS WILL REMAINS SAME IN 2,4,6,8 & 10 CKT.

CHARTED DIMENSIONS																		
KEYS	KEY A RED		KEY B NATURAL		KEY C GRAY		KEY D YELLOW		KEY E PINK		KEY F ORANGE		KEY G BLUE		KEY H GREEN		KEY I MINT	
DIMENSIONS	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
CKT 2	8.20	8.53	8.20	8.53	8.53	8.53	8.20	8.20	8.53	8.20	8.20	8.53	8.20	8.21	8.53	8.21	8.20	8.21
CKT 4	10.05	10.38	10.05	10.38	10.38	10.38	10.05	10.05	10.38	10.05	10.05	10.38	10.05	8.21	10.38	8.21	10.05	8.21
CKT 6	11.85	12.18	11.85	12.18	12.18	12.18	11.85	11.85	12.18	11.85	11.85	12.18	11.85	8.21	12.18	8.21	11.85	8.21
CKT 8	13.65	13.98	13.65	13.98	13.98	13.98	13.65	13.65	13.98	13.65	13.65	13.98	13.65	8.21	13.98	8.21	13.65	8.21
CKT 10	15.45	15.78	15.45	15.78	15.78	15.78	15.45	15.45	15.78	15.45	15.45	15.78	15.45	8.21	15.78	8.21	15.45	8.21
DOCUMENT STATUS		P1	RELEASE DATE			2025/08/29		08:55:33										

FUNCTIONAL SYMBOLS

$\frac{F}{A} = 0$

$\frac{F}{C} = 0$

$\frac{F}{P} = 0$

DIVISIONAL SYMBOLS

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DIMENSION UNITS

mm

SCALE

5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 0.5°

4 PLACES

±

3 PLACES

±

2 PLACES

± 0.1

1 PLACE

± 0.2

0 PLACES

±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 833145

DRWN: SUAIFR 2025/08/29

CHK'D: SUAIFR 2025/08/29

APPR: GANESY 2025/08/29

INITIAL REVISION:

DRWN: TGREGORI 2017/04/26

APPR: RHODGE 2018/01/26

THIRD ANGLE PROJECTION

DRAWING

D-SIZE

SERIES

204220

RECEPTACLE ASSEMBLY SQUBA 1.8

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

2042200000-SD

DOC TYPE

PSD

DOC PART

000

REVISION

C5

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

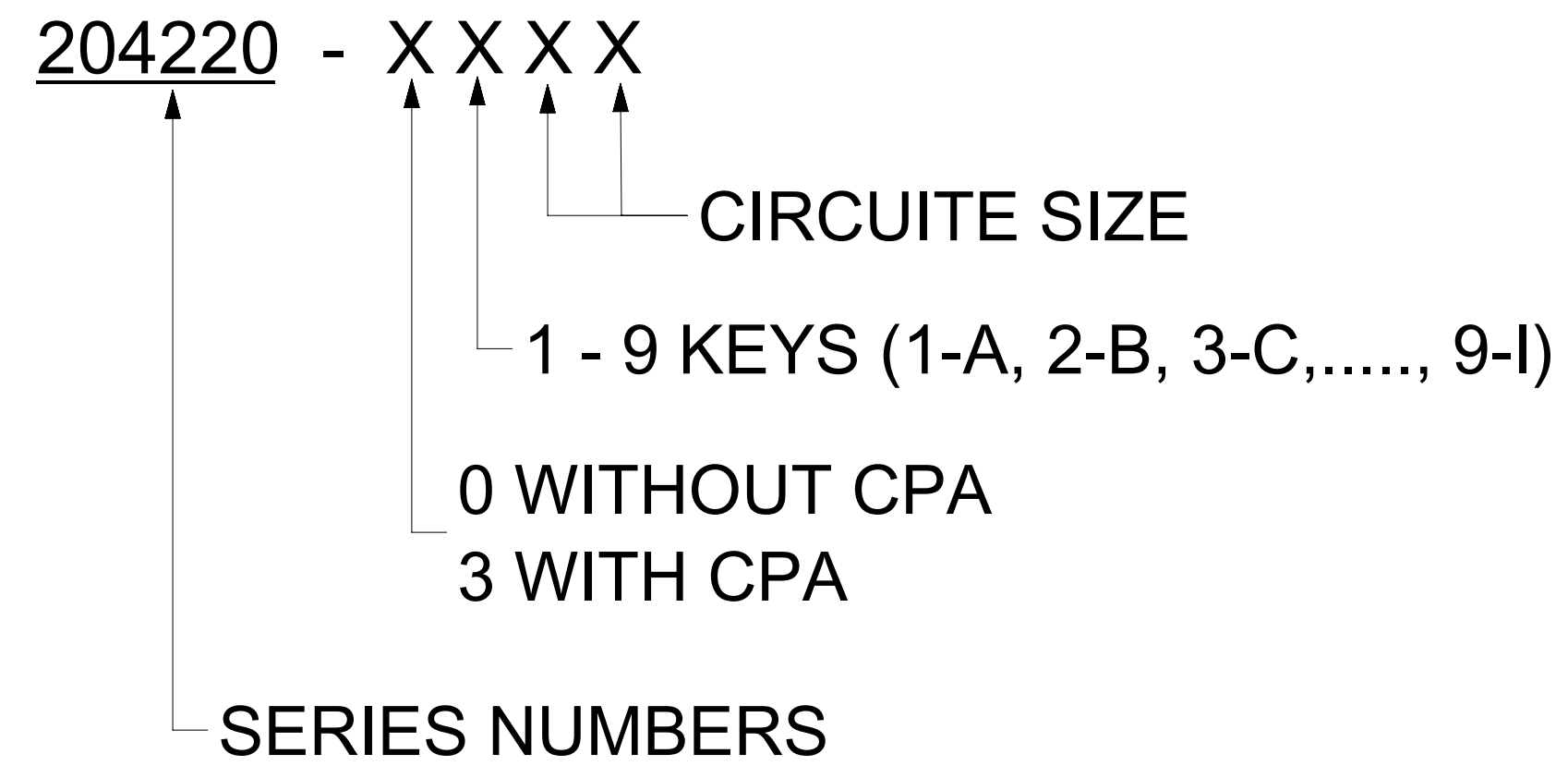
4 OF 6

PART NUMBER DETAILS

RECEPTACLE ASSEMBLY	NO. OF CKTS	KEYING CONFIRGURATION	COLOR
2042200002	2	N/A	BLACK
2042200004	4	N/A	BLACK
2042200006	6	N/A	BLACK
2042200008	8	N/A	BLACK
2042200010	10	N/A	BLACK
RECEPTACLE ASSEMBLY WITH KEY			
2042200102	2	1	RED
2042200202	2	2	NATURAL
2042200302	2	3	GRAY
2042200402	2	4	YELLOW
2042200502	2	5	PINK
2042200602	2	6	ORANGE
2042200702	2	7	BLUE
2042200802	2	8	GREEN
2042200902	2	9	MINT
2042200104	4	1	RED
2042200204	4	2	NATURAL
2042200304	4	3	GRAY
2042200404	4	4	YELLOW
2042200504	4	5	PINK
2042200604	4	6	ORANGE
2042200704	4	7	BLUE
2042200804	4	8	GREEN
2042200904	4	9	MINT
2042200106	6	1	RED
2042200206	6	2	NATURAL
2042200306	6	3	GRAY
2042200406	6	4	YELLOW
2042200506	6	5	PINK
2042200606	6	6	ORANGE
2042200706	6	7	BLUE
2042200806	6	8	GREEN
2042200906	6	9	MINT
2042200108	8	1	RED
2042200208	8	2	NATURAL
2042200308	8	3	GRAY
2042200408	8	4	YELLOW
2042200508	8	5	PINK
2042200608	8	6	ORANGE
2042200708	8	7	BLUE
2042200808	8	8	GREEN
2042200908	8	9	MINT
2042200110	10	1	RED
2042200210	10	2	NATURAL
2042200310	10	3	GRAY
2042200410	10	4	YELLOW
2042200510	10	5	PINK
2042200610	10	6	ORANGE
2042200710	10	7	BLUE
2042200810	10	8	GREEN
2042200910	10	9	MINT

RECEPTACLE ASSEMBLY WITH KEY AND CPA	NO. OF CKTS	KEYING CONFIRGURATION	COLOR
2042203104	4	1	RED
2042203204	4	2	NATURAL
2042203304	4	3	GRAY
2042203404	4	4	YELLOW
2042203504	4	5	PINK
2042203604	4	6	ORANGE
2042203704	4	7	BLUE
2042203804	4	8	GREEN
2042203904	4	9	MINT
2042203106	6	1	RED
2042203206	6	2	NATURAL
2042203306	6	3	GRAY
2042203406	6	4	YELLOW
2042203506	6	5	PINK
2042203606	6	6	ORANGE
2042203706	6	7	BLUE
2042203806	6	8	GREEN
2042203906	6	9	MINT
2042203108	8	1	RED
2042203208	8	2	NATURAL
2042203308	8	3	GRAY
2042203408	8	4	YELLOW
2042203508	8	5	PINK
2042203608	8	6	ORANGE
2042203708	8	7	BLUE
2042203808	8	8	GREEN
2042203908	8	9	MINT
2042203110	10	1	RED
2042203210	10	2	NATURAL
2042203310	10	3	GRAY
2042203410	10	4	YELLOW
2042203510	10	5	PINK
2042203610	10	6	ORANGE
2042203710	10	7	BLUE
2042203810	10	8	GREEN
2042203910	10	9	MINT

PART NUMBER LOGIC



FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
= 0 mm 5:1		CURRENT REV DESC:	
= 0 GENERAL TOLERANCES (UNLESS SPECIFIED)		= 0 RECEPTACLE ASSEMBLY SQUBA 1.8	
= 0 ANGULAR TOL ± 0.5°		EC NO: 833145 DRWN: SUAIFR CHK'D: SUAIFR APPR: GANESY 2025/08/29 2025/08/29 2025/08/29	
3 PLACES ± 3 PLACES ± 2 PLACES ± 0.1 1 PLACE ± 0.2 0 PLACES ± 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.1 1 PLACE ± 0.2 0 PLACES ±		INITIAL REVISION: DRWN: TGREGORI APPR: RHODGE 2017/04/26 2018/01/26	
DIVISIONAL SYMBOLS		PRODUCT CUSTOMER DRAWING	
		DOCUMENT NUMBER	
		DOC TYPE	
		DOC PART	
		REVISION	
		2042200000-SD	
		PSD	
		000	
		C5	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	
		DRAWING	
		SERIES	
		MATERIAL NUMBER	
		CUSTOMER	
		SHEET NUMBER	
		D-SIZE	
		204220	
		SEE TABLE	
		GENERAL MARKET	
		5 OF 6	

