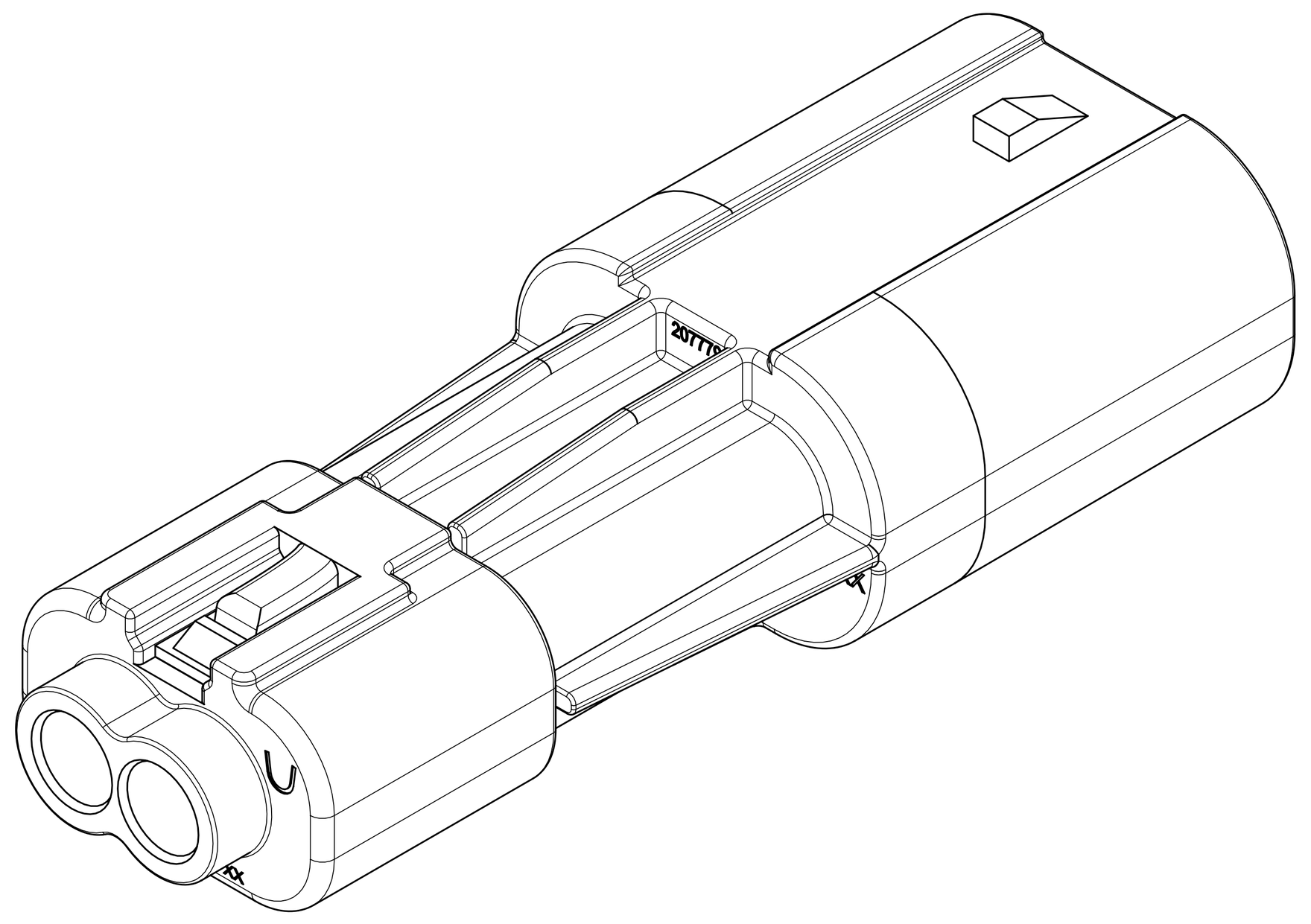
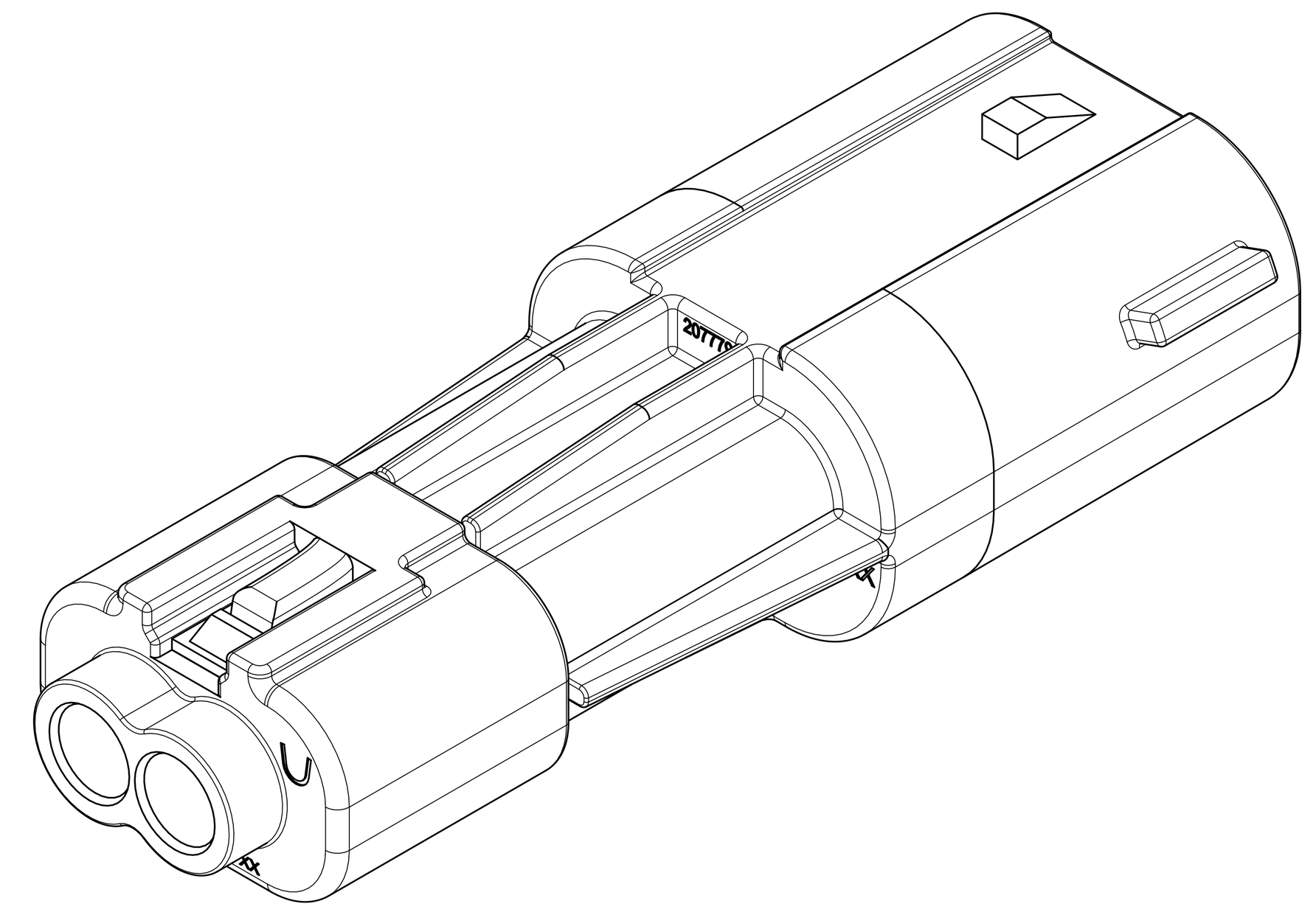
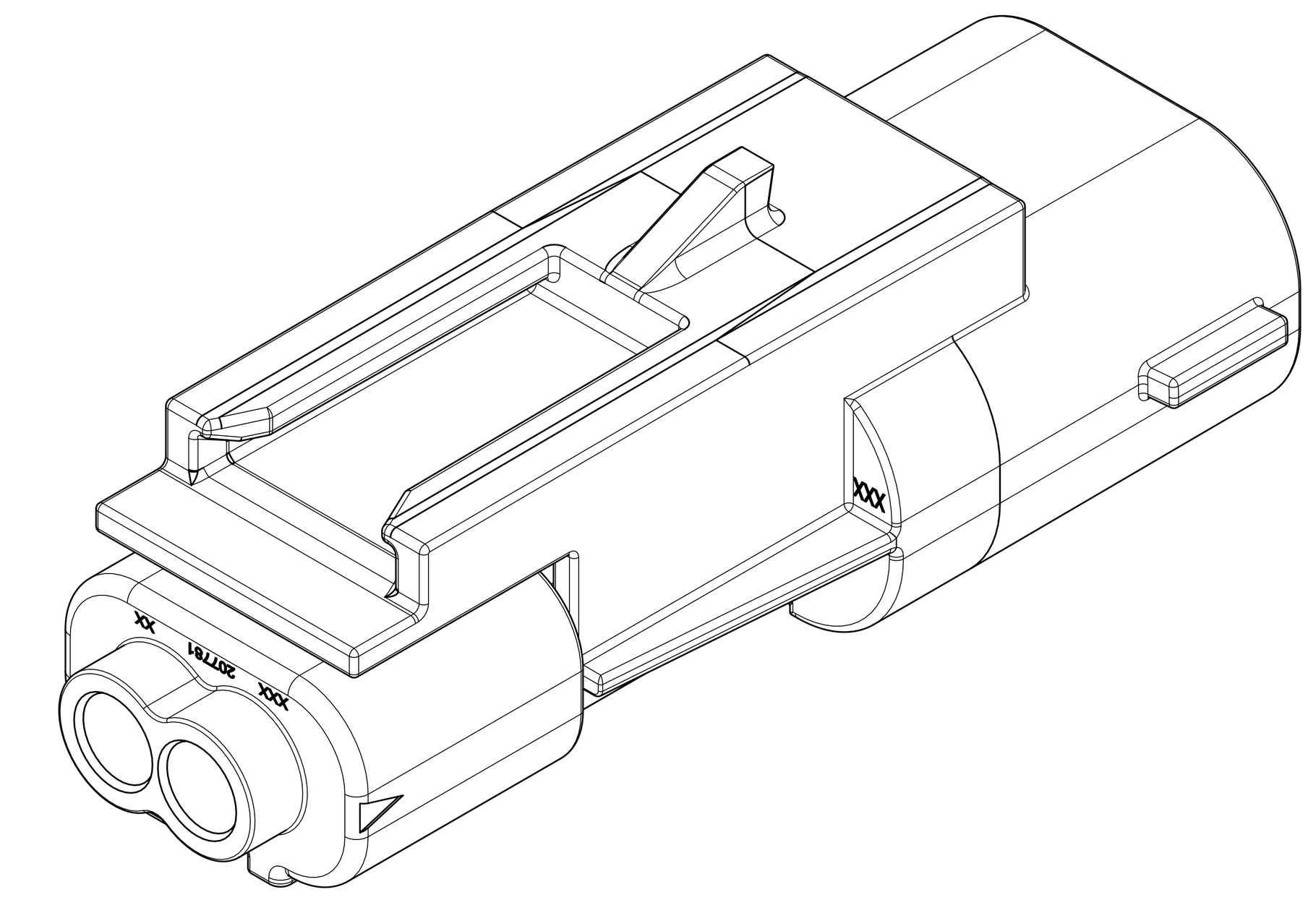
CIRCUIT CONFIGURATIONS

CIRCUITE SIZE | PLUG HOUSING ASSEMBLY | PLUG HOUSING ASSEMBLY WITH KEY | PLUG HOUSING ASSEMBLY WITH KEY AND CLIP SLOT

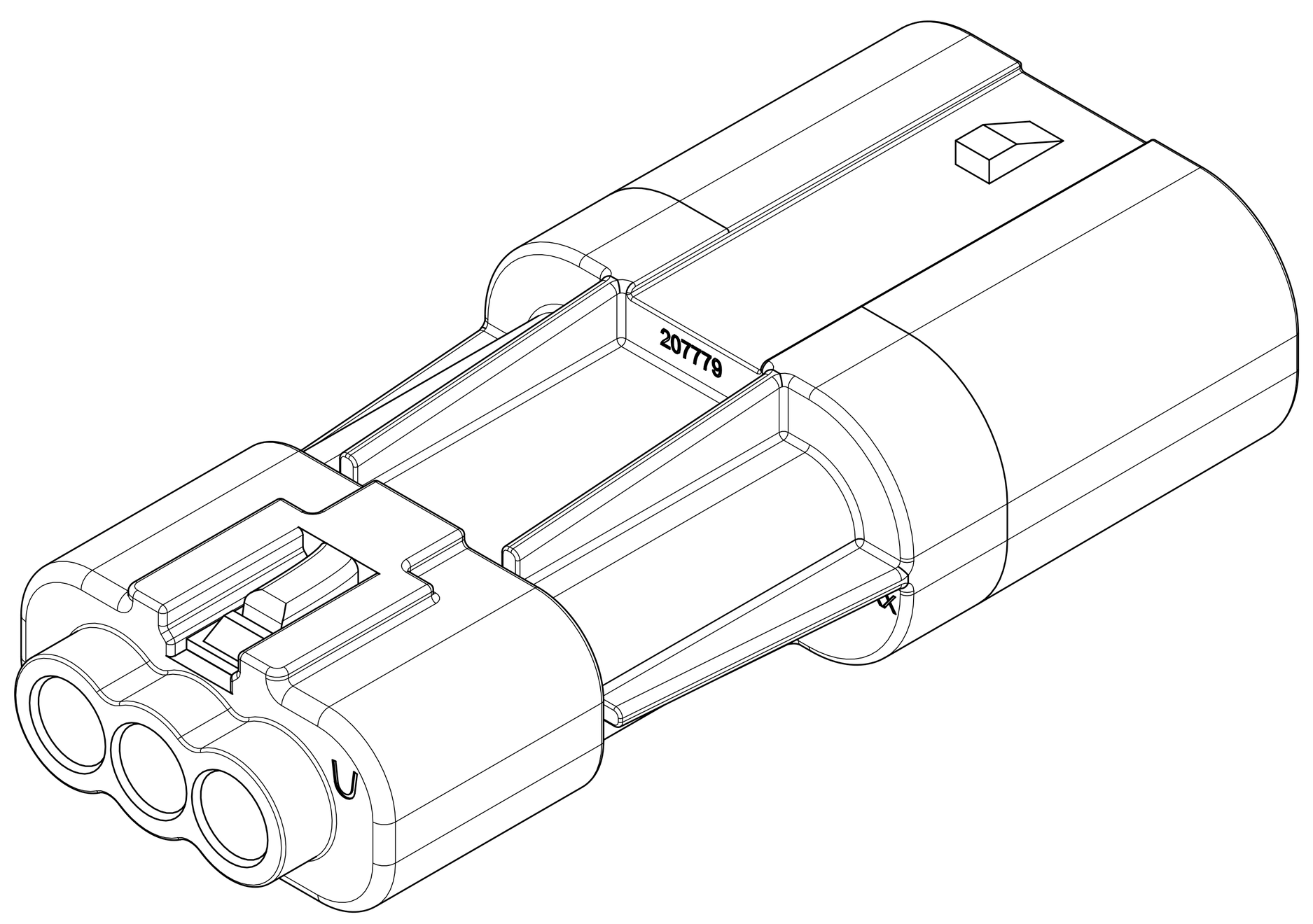
2 CKT

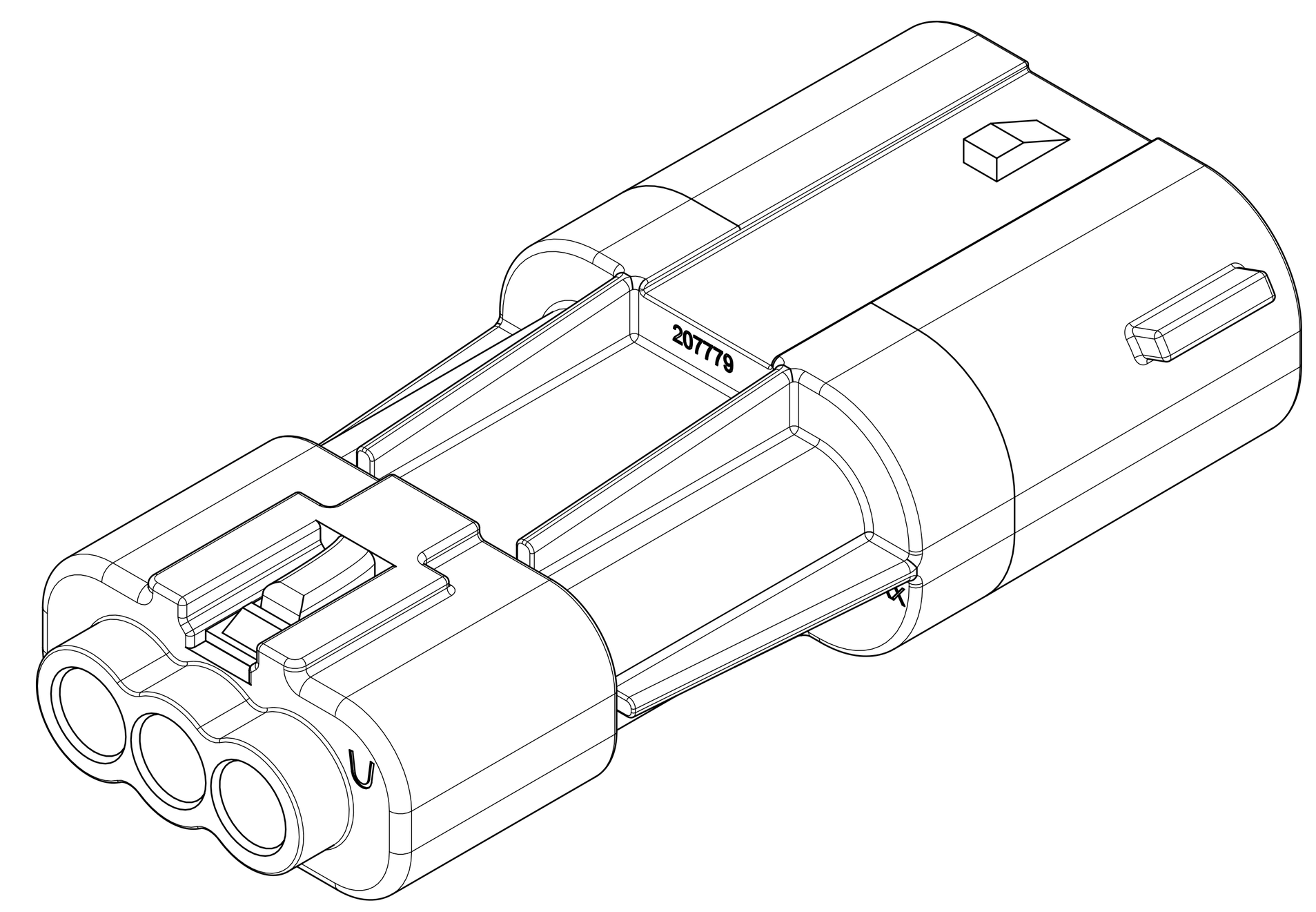


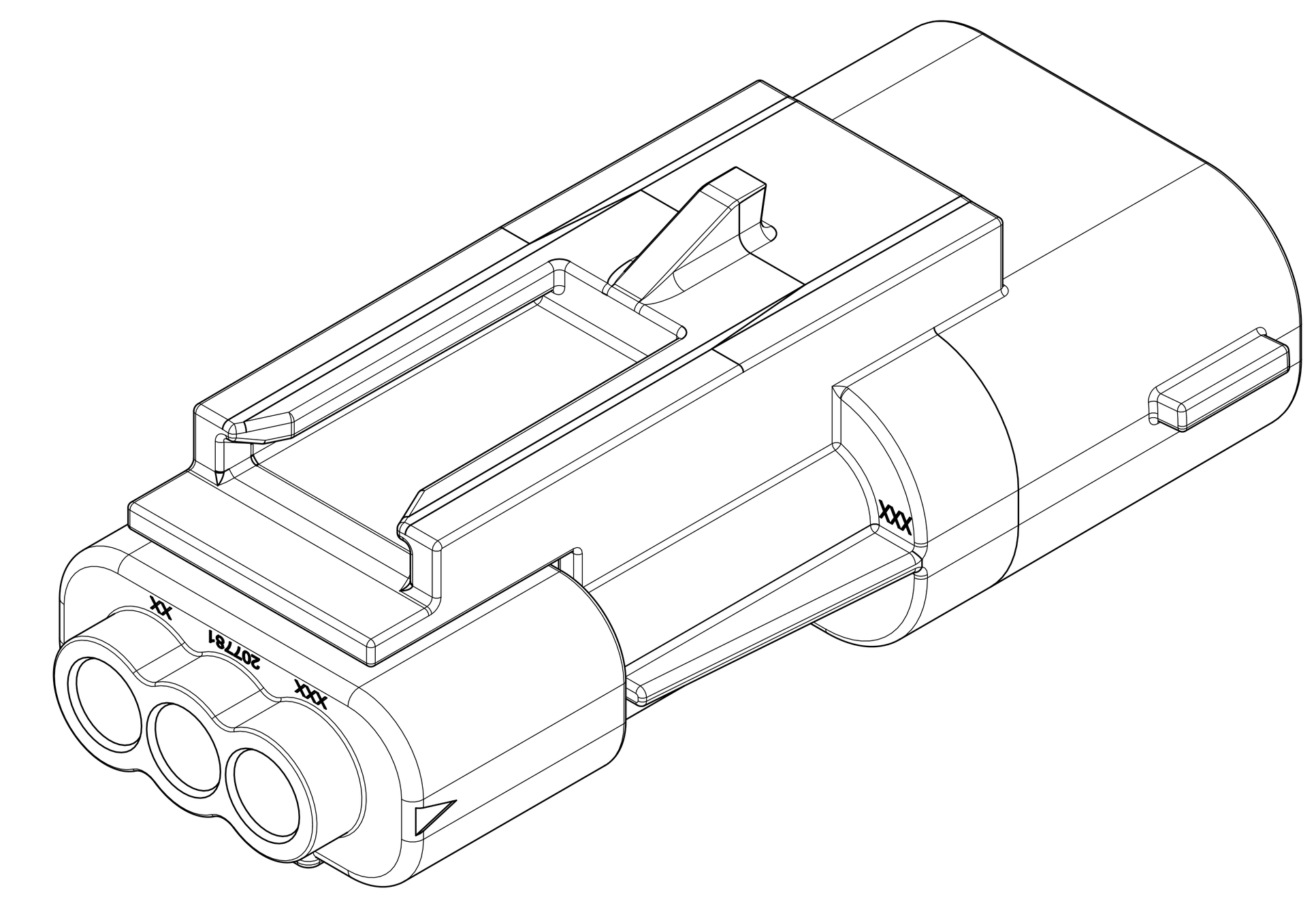




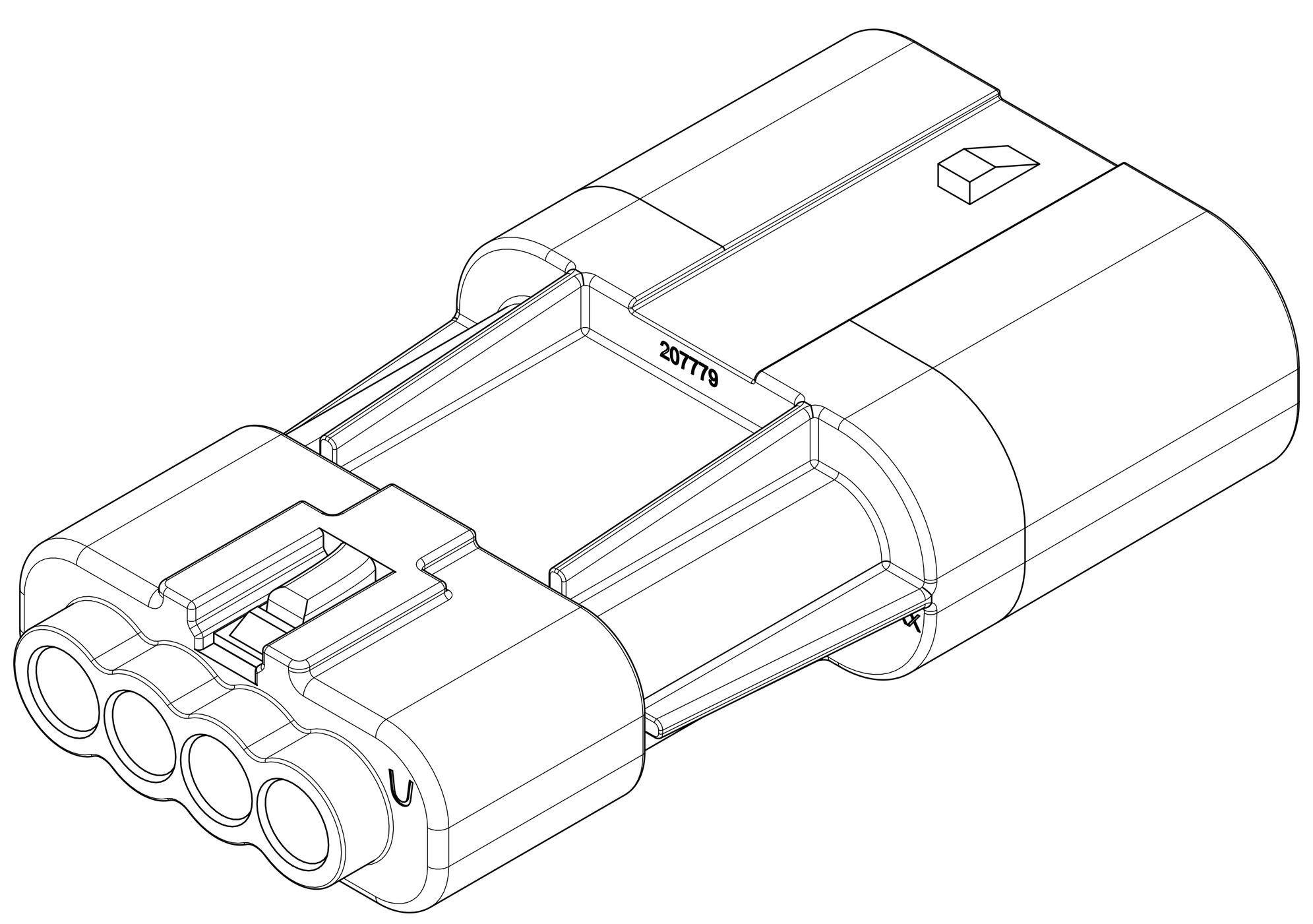
3 CKT

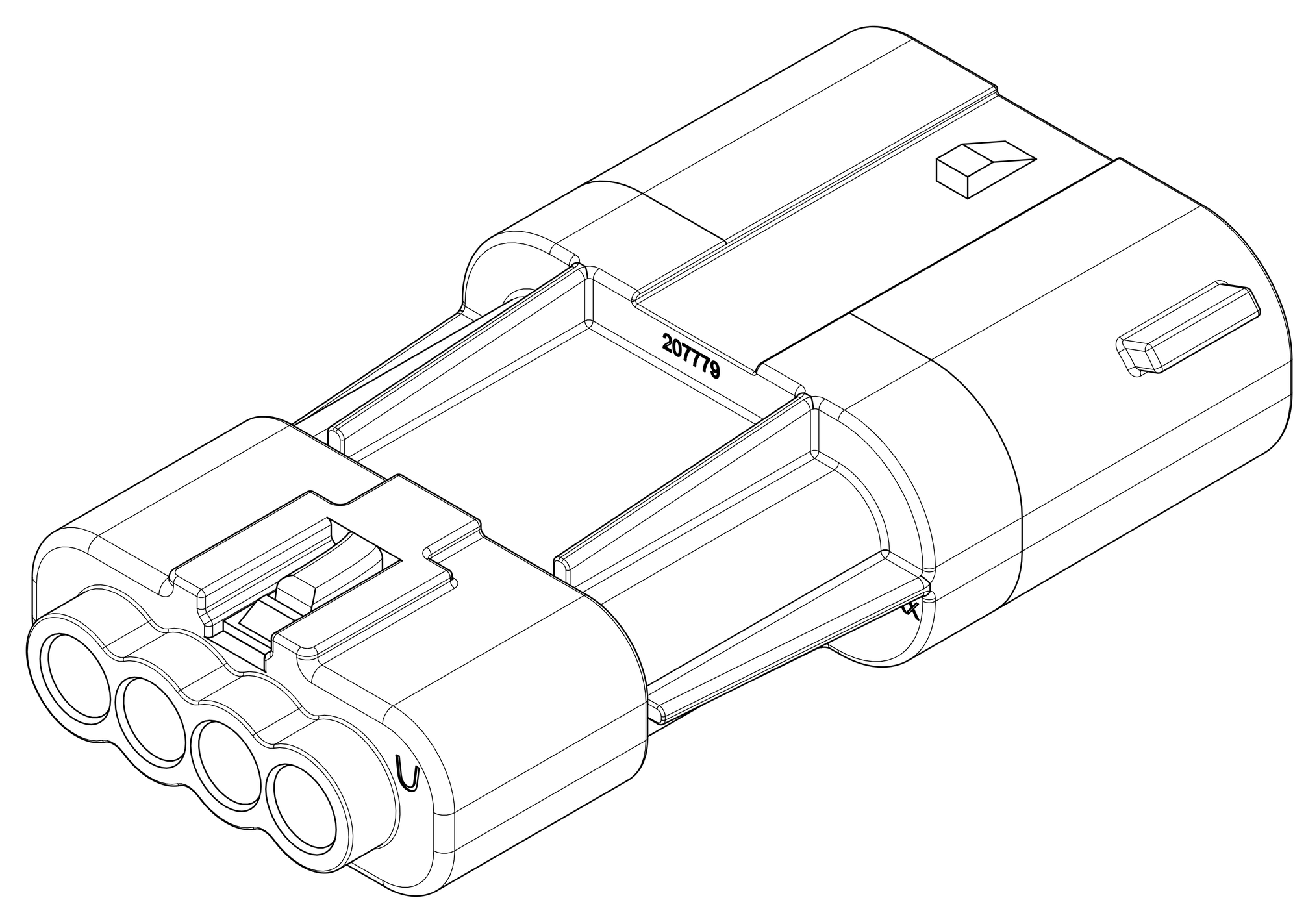


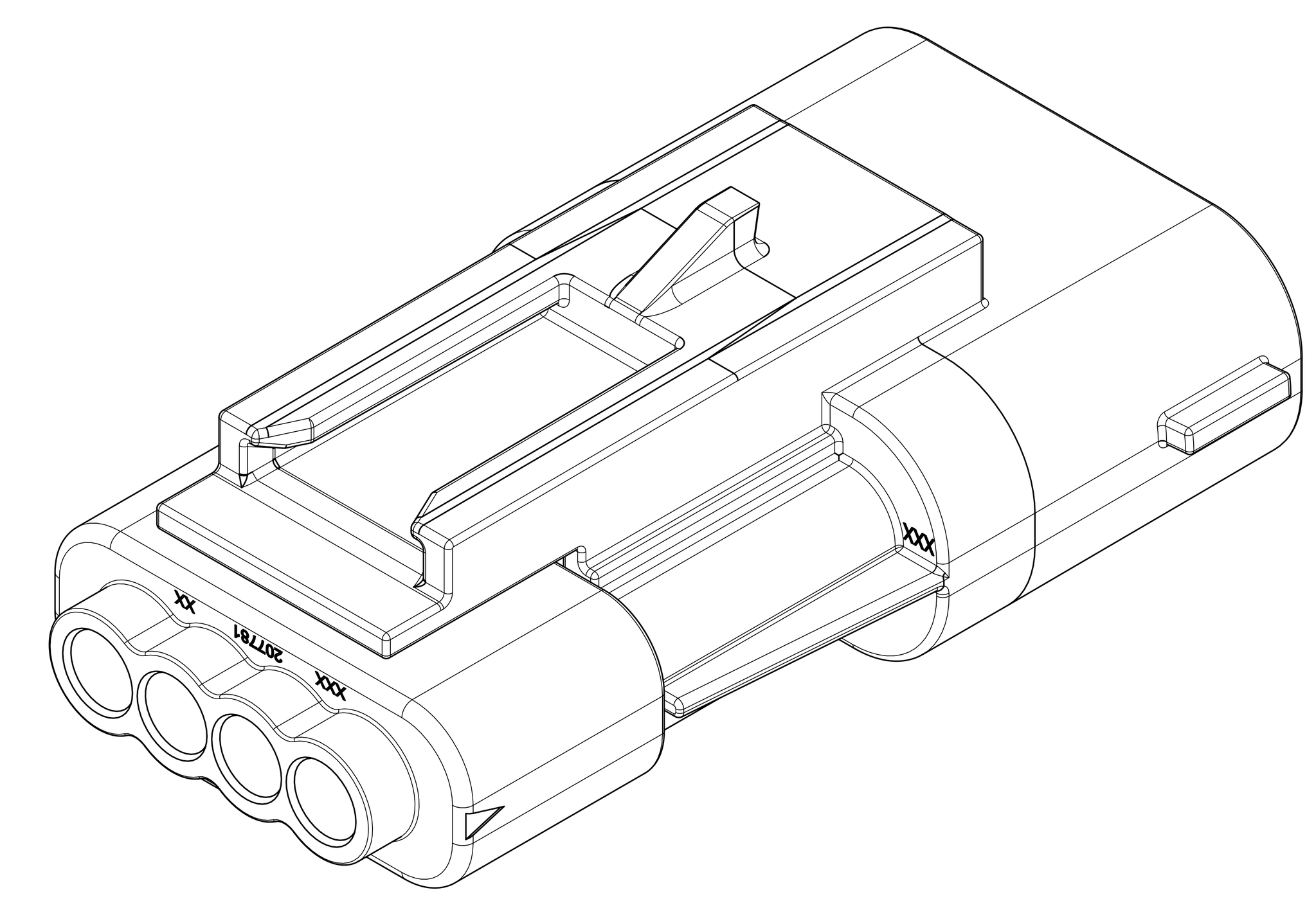




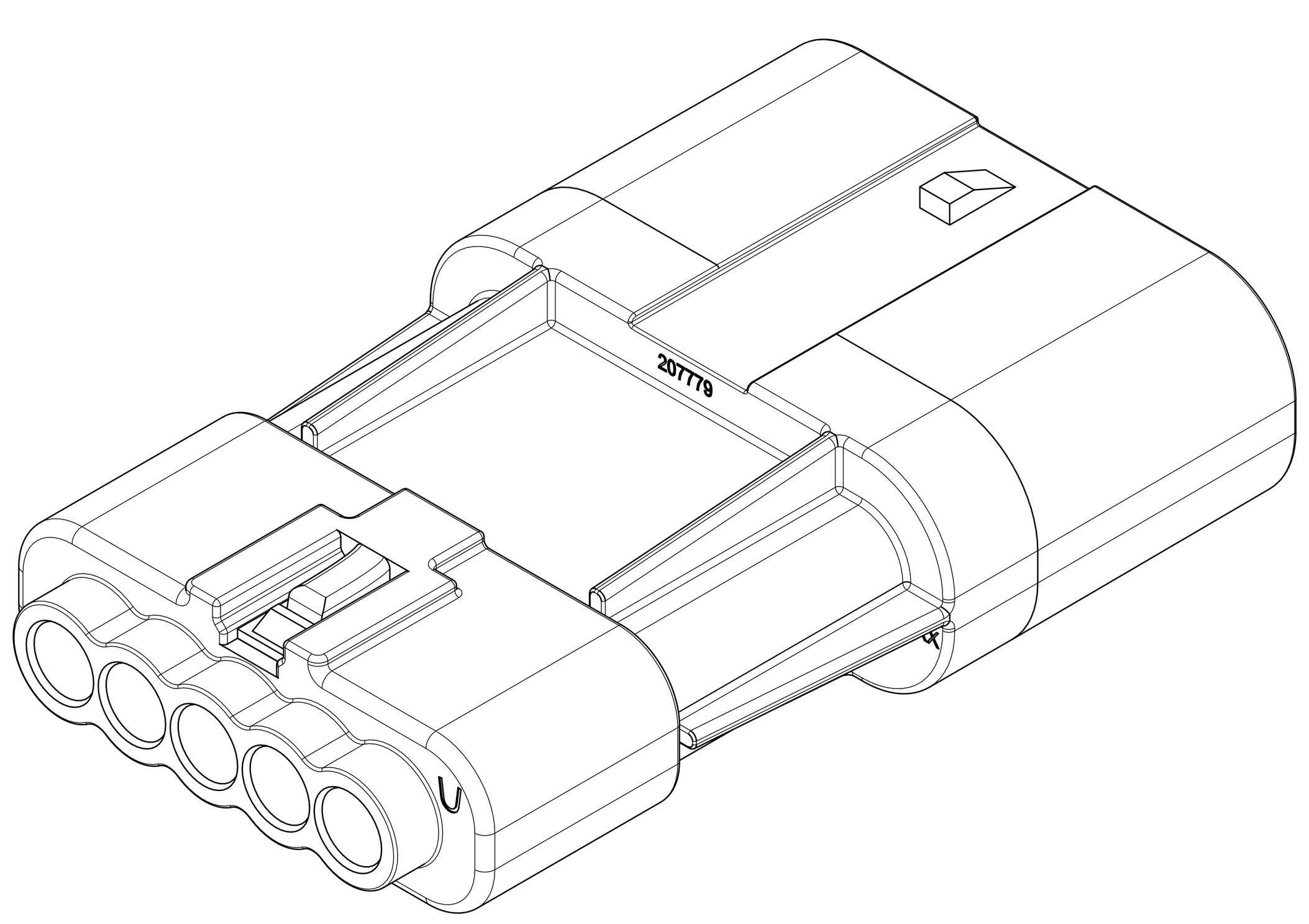
4 CKT







5 CKT



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
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 792212
DRWN: KARTHG3 2024/03/05
CHK'D: KARTHG3 2024/07/12
APPR: MRAMAKRISHNA 2024/07/15

INITIAL REVISION:
DRWN: MUM 2019/01/30
APPR: NCSR 2019/07/03

molex

PLUG ASSEMBLY
SQUBA 3.6

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2077780000-SD	PSD	000	E1

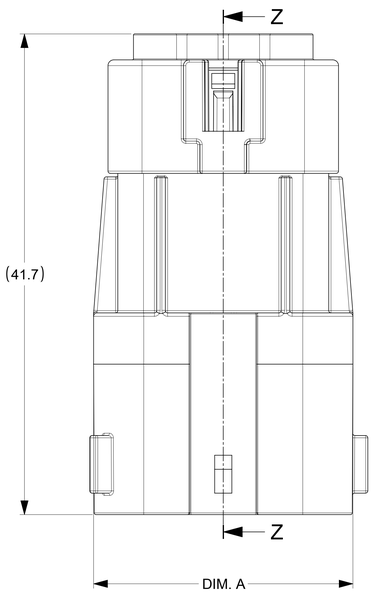
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	E-SIZE	207778	SEE TABLE	GENERAL MARKET	1 OF 6

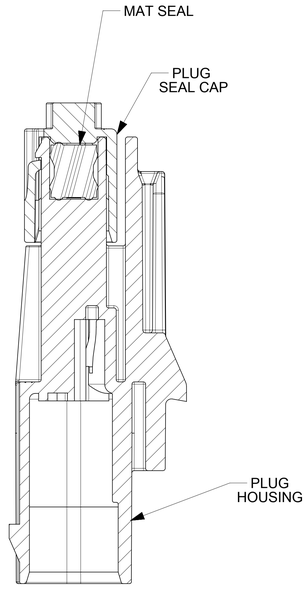
DOCUMENT STATUS	P1	RELEASE DATE	2024/07/15 11:52:06

NOTES:

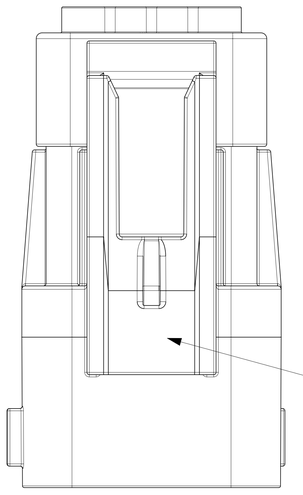
1. MATERIAL:
   HOUSING & PLUG SEAL CAP: NYLON, COLOR: REFER PART NUMBER DETAILS.
   SEALS: INHERENTLY LUBRICATED SILICON
2. PRODUCT SPECIFICATION: 2077760000-PS
3. APPLICATION SPECIFICATION: 2077760000-AS
4. PACKAGING SPECIFICATION: 2077780000-PK
5. THIS PART MATES WITH RECEPTACLE SERIES 207782
6. THIS PART USES TERMINAL SERIES 2077760001
   2077760002 AND 2077760003
7. THIS PART CONFORMS TO CLASS 'B' REQUIREMENTS
   OF COSMETIC SPECIFICATION PS-45499-002.
8. THE OPTIONAL CLIP SLOT CONFORMS WITH EWCAP-005 7MM CLIPSLOT
9. RIB FEATURE APPLICABLE ONLY FOR BLACK COLOR HOUSING ASSEMBLY.

CKT SIZE	DIM. A
2	15.3
3	18.9
4	22.5

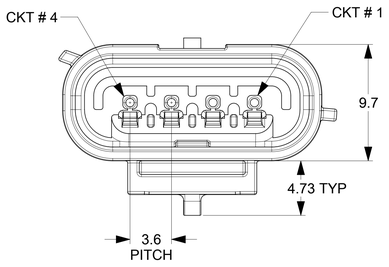


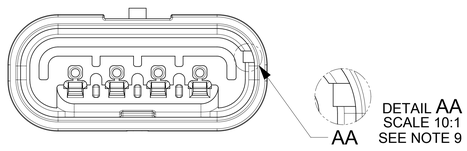


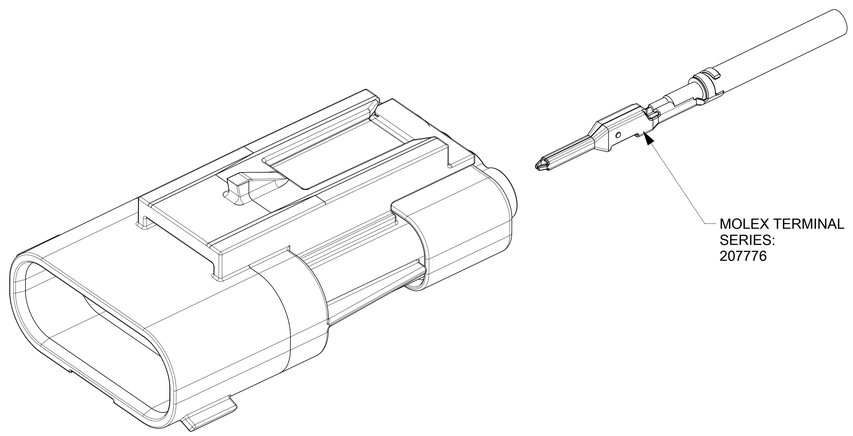
SECTION Z-Z



BACK VIEW







DOCUMENT STATUS	P1	RELEASE DATE	2024/07/15	11:52:06			

FUNCTIONAL SYMBOLS
FA = 1
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	SCALE
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 792212
DRWN: KARTHG3 2024/03/05
CHK'D: KARTHG3 2024/07/12
APPR: MRAMAKRISHNA 2024/07/15

INITIAL REVISION:
DRWN: MUM 2019/01/30
APPR: NCSR 2019/07/03

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PLUG ASSEMBLY
SQUBA 3.6

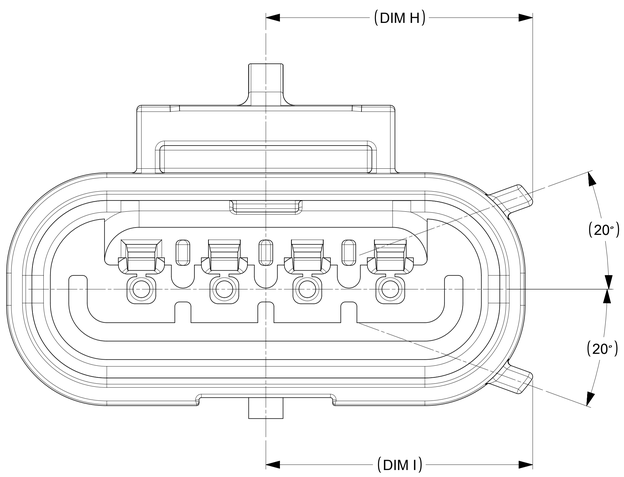
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2077780000-SD	PSD	000	E1

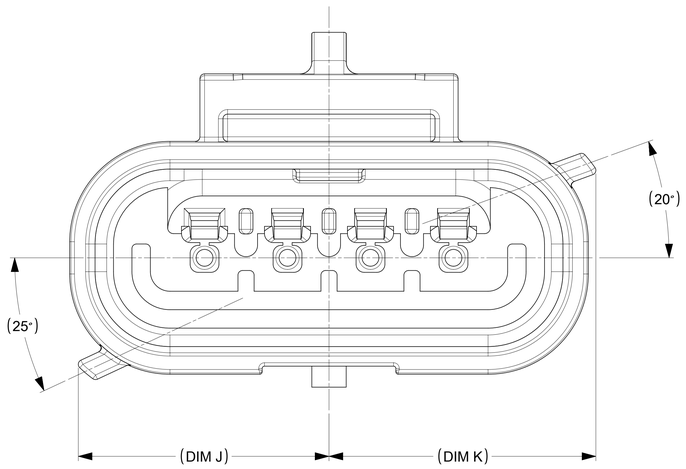
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	E-SIZE	207778	SEE TABLE	GENERAL MARKET	2 OF 6

KEYING CONFIGURATIONS (E1)

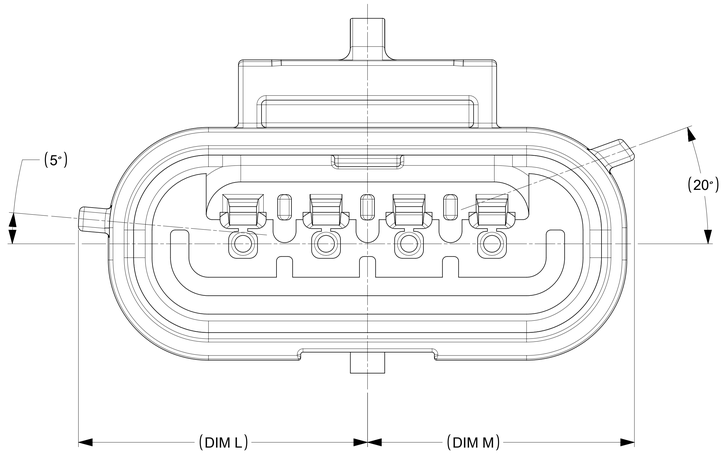
KEY A, RED COLOR



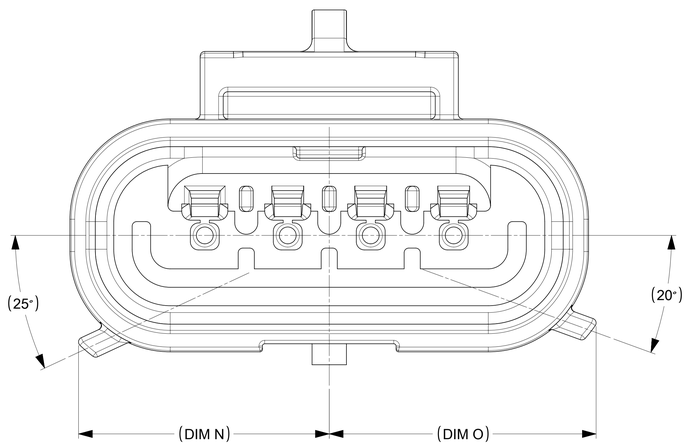
KEY B, NATURAL COLOR



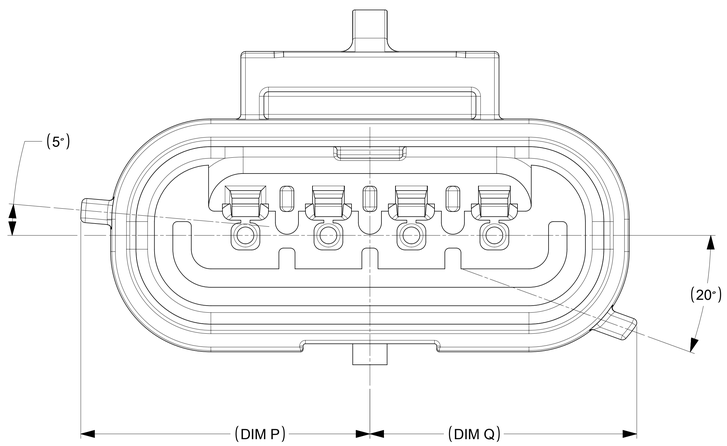
KEY C, GRAY COLOR



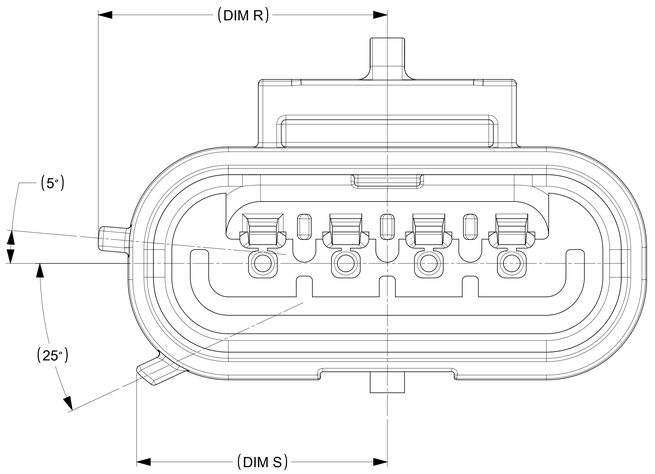
KEY D, YELLOW COLOR



KEY E, BROWN COLOR



KEY F, ORANGE COLOR



CHARTED DIMENSIONS (E1)												
KEYS	KEY A RED		KEY B NATURAL		KEY C GRAY		KEY D YELLOW		KEY E BROWN		KEY F ORANGE	
DIMENSIONS	H	I	J	K	L	M	N	O	P	Q	R	S
CKT 2	8.56	8.56	8.23	8.56	8.94	8.56	8.23	8.56	8.94	8.56	8.94	8.23
CKT 3	10.10	10.10	9.61	10.10	10.75	10.10	9.61	10.10	10.75	10.10	10.75	9.61
CKT 4	11.58	11.58	10.88	11.58	12.54	11.58	10.88	11.58	12.54	11.58	12.54	10.88

NOTE: KEYING CONFIGURATIONS WILL REMAIN SAME IN 2 & 3 CKT.

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	± 0.3
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 792212
DRWN: KARTHG3 2024/03/05
CHK'D: KARTHG3 2024/07/12
APPR: MRAMAKRISHNA 2024/07/15

INITIAL REVISION:
DRWN: MUM 2019/01/30
APPR: NCSR 2019/07/03

molex

PLUG ASSEMBLY
SQUBA 3.6

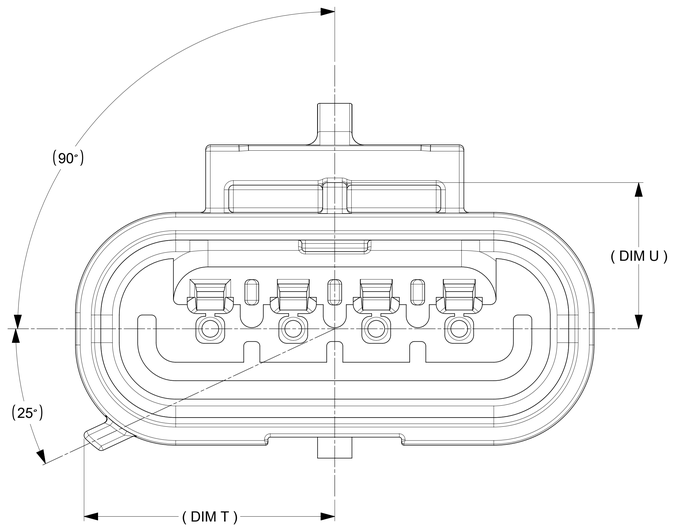
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2077780000-SD	PSD	000	E1

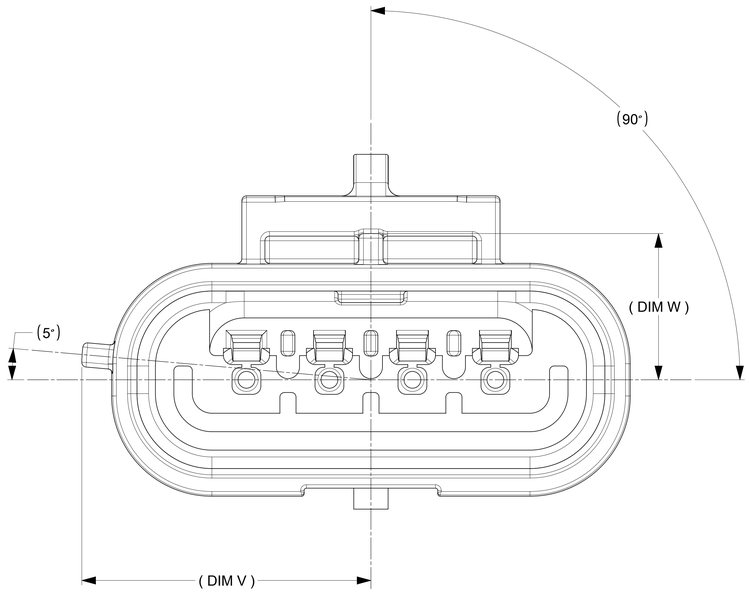
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	E-SIZE	207778	SEE TABLE	GENERAL MARKET	3 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/15 11:52:06

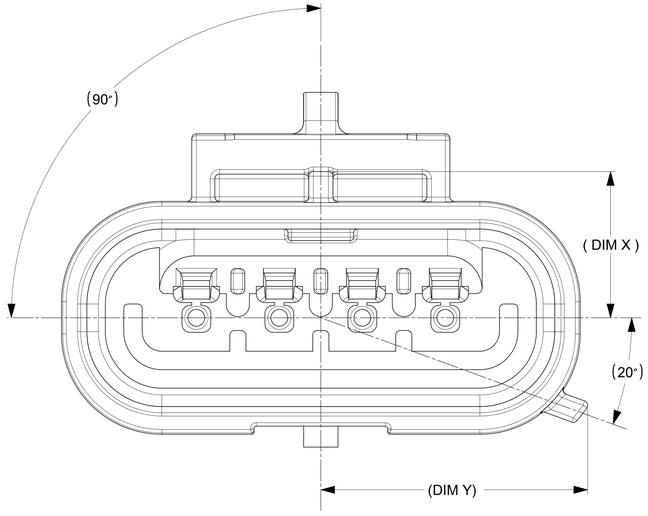
KEY G, BLUE COLOR (E1)



KEY H, GREEN COLOR (E1)



KEY I, MINT COLOR (E1)



CHARTED DIMENSIONS (E1)						
KEYS	KEY G BLUE		KEY H GREEN		KEY I MINT	
DIMENSIONS	T	U	V	W	X	Y
CKT 2	8.23	6.34	8.94	6.34	6.34	8.56
CKT 3	9.61	6.34	10.75	6.34	6.34	10.10
CKT 4	10.88	6.34	12.54	6.34	6.34	11.58

NOTE: KEYING CONFIGURATIONS WILL REMAIN SAME IN 2 & 3 CKT.

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/15 11:52:06

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	10:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 792212
DRWN: KARTHG3 2024/03/05
CHK'D: KARTHG3 2024/07/12
APPR: MRAMAKRISHNA 2024/07/15

INITIAL REVISION:
DRWN: MUM 2019/01/30
APPR: NCSR 2019/07/03

molex

PLUG ASSEMBLY
SQUBA 3.6

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2077780000-SD	PSD	000	E1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	E-SIZE	207778	SEE TABLE	GENERAL MARKET	4 OF 6

PART NUMBER DETAILS

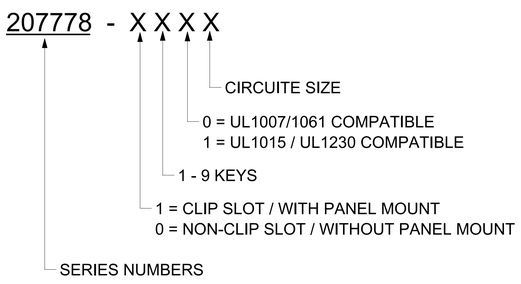
WITHOUT KEY P/N	WIRE STYLE	NO. OF CIRCUITS	KEYING CONFIGURATION	COLOR
2077780002	UL1007 / UL1061 OR EQUIVALENT	2	NA	BLACK
2077780003	UL1007 / UL1061 OR EQUIVALENT	3	NA	BLACK
2077780004	UL1007 / UL1061 OR EQUIVALENT	4	NA	BLACK
2077780005*	UL1007 / UL1061 OR EQUIVALENT	5	NA	BLACK
WITH KEY P/N				
2077780102	UL1007 / UL1061 OR EQUIVALENT	2	1	RED
2077780202	UL1007 / UL1061 OR EQUIVALENT	2	2	NATURAL
2077780302	UL1007 / UL1061 OR EQUIVALENT	2	3	GRAY
2077780402	UL1007 / UL1061 OR EQUIVALENT	2	4	YELLOW
2077780502	UL1007 / UL1061 OR EQUIVALENT	2	5	BROWN
2077780602	UL1007 / UL1061 OR EQUIVALENT	2	6	ORANGE
2077780702	UL1007 / UL1061 OR EQUIVALENT	2	7	BLUE
2077780802	UL1007 / UL1061 OR EQUIVALENT	2	8	GREEN
2077780902	UL1007 / UL1061 OR EQUIVALENT	2	9	MINT
2077780103	UL1007 / UL1061 OR EQUIVALENT	3	1	RED
2077780203	UL1007 / UL1061 OR EQUIVALENT	3	2	NATURAL
2077780303	UL1007 / UL1061 OR EQUIVALENT	3	3	GRAY
2077780403	UL1007 / UL1061 OR EQUIVALENT	3	4	YELLOW
2077780503	UL1007 / UL1061 OR EQUIVALENT	3	5	BROWN
2077780603	UL1007 / UL1061 OR EQUIVALENT	3	6	ORANGE
2077780703	UL1007 / UL1061 OR EQUIVALENT	3	7	BLUE
2077780803	UL1007 / UL1061 OR EQUIVALENT	3	8	GREEN
2077780903	UL1007 / UL1061 OR EQUIVALENT	3	9	MINT
2077780104	UL1007 / UL1061 OR EQUIVALENT	4	1	RED
2077780204	UL1007 / UL1061 OR EQUIVALENT	4	2	NATURAL
2077780304	UL1007 / UL1061 OR EQUIVALENT	4	3	GRAY
2077780404	UL1007 / UL1061 OR EQUIVALENT	4	4	YELLOW
2077780504	UL1007 / UL1061 OR EQUIVALENT	4	5	BROWN
2077780604	UL1007 / UL1061 OR EQUIVALENT	4	6	ORANGE
2077780704	UL1007 / UL1061 OR EQUIVALENT	4	7	BLUE
2077780804	UL1007 / UL1061 OR EQUIVALENT	4	8	GREEN
2077780904	UL1007 / UL1061 OR EQUIVALENT	4	9	MINT

*Note: Part number containing * are not tooled

PART NUMBER DETAILS

WITH KEY AND CLIP SLOT P/N	WIRE STYLE	NO. OF CIRCUITS	KEYING CONFIGURATION	COLOR
2077781102	UL1007 / UL1061 OR EQUIVALENT	2	1	RED
2077781202	UL1007 / UL1061 OR EQUIVALENT	2	2	NATURAL
2077781302	UL1007 / UL1061 OR EQUIVALENT	2	3	GRAY
2077781402	UL1007 / UL1061 OR EQUIVALENT	2	4	YELLOW
2077781502	UL1007 / UL1061 OR EQUIVALENT	2	5	BROWN
2077781602	UL1007 / UL1061 OR EQUIVALENT	2	6	ORANGE
2077781702	UL1007 / UL1061 OR EQUIVALENT	2	7	BLUE
2077781802	UL1007 / UL1061 OR EQUIVALENT	2	8	GREEN
2077781902	UL1007 / UL1061 OR EQUIVALENT	2	9	MINT
2077781103	UL1007 / UL1061 OR EQUIVALENT	3	1	RED
2077781203	UL1007 / UL1061 OR EQUIVALENT	3	2	NATURAL
2077781303	UL1007 / UL1061 OR EQUIVALENT	3	3	GRAY
2077781403	UL1007 / UL1061 OR EQUIVALENT	3	4	YELLOW
2077781503	UL1007 / UL1061 OR EQUIVALENT	3	5	BROWN
2077781603	UL1007 / UL1061 OR EQUIVALENT	3	6	ORANGE
2077781703	UL1007 / UL1061 OR EQUIVALENT	3	7	BLUE
2077781803	UL1007 / UL1061 OR EQUIVALENT	3	8	GREEN
2077781903	UL1007 / UL1061 OR EQUIVALENT	3	9	MINT
2077781104	UL1007 / UL1061 OR EQUIVALENT	4	1	RED
2077781204	UL1007 / UL1061 OR EQUIVALENT	4	2	NATURAL
2077781304	UL1007 / UL1061 OR EQUIVALENT	4	3	GRAY
2077781404	UL1007 / UL1061 OR EQUIVALENT	4	4	YELLOW
2077781504	UL1007 / UL1061 OR EQUIVALENT	4	5	BROWN
2077781604	UL1007 / UL1061 OR EQUIVALENT	4	6	ORANGE
2077781704	UL1007 / UL1061 OR EQUIVALENT	4	7	BLUE
2077781804	UL1007 / UL1061 OR EQUIVALENT	4	8	GREEN
2077781904	UL1007 / UL1061 OR EQUIVALENT	4	9	MINT

PART NUMBER LOGIC



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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 792212
DRWN: KARTHG3 2024/03/05
CHK'D: KARTHG3 2024/07/12
APPR: MRAMAKRISHNA 2024/07/15

INITIAL REVISION:
DRWN: MUM 2019/01/30
APPR: NCSR 2019/07/03

molex

PLUG ASSEMBLY
SQUBA 3.6

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2077780000-SD	PSD	000	E1

THIRD ANGLE PROJECTION | DRAWING: E-SIZE | SERIES: 207778 | MATERIAL NUMBER | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 5 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/15 11:52:06

PART NUMBER DETAILS

WITHOUT KEY P/N	WIRE STYLE	NO. OF CIRCUITS	KEYING CONFIGURATION	COLOR
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2077780013	UL1015 / UL1230 OR EQUIVALENT	3	NA	BLACK
2077780014	UL1015 / UL1230 OR EQUIVALENT	4	NA	BLACK
WITH KEY P/N				
2077780112	UL1015 / UL1230 OR EQUIVALENT	2	1	RED
2077780212	UL1015 / UL1230 OR EQUIVALENT	2	2	NATURAL
2077780312	UL1015 / UL1230 OR EQUIVALENT	2	3	GRAY
2077780412	UL1015 / UL1230 OR EQUIVALENT	2	4	YELLOW
2077780512	UL1015 / UL1230 OR EQUIVALENT	2	5	BROWN
2077780612	UL1015 / UL1230 OR EQUIVALENT	2	6	ORANGE
2077780712	UL1015 / UL1230 OR EQUIVALENT	2	7	BLUE
2077780812	UL1015 / UL1230 OR EQUIVALENT	2	8	GREEN
2077780912	UL1015 / UL1230 OR EQUIVALENT	2	9	MINT
2077780113	UL1015 / UL1230 OR EQUIVALENT	3	1	RED
2077780213	UL1015 / UL1230 OR EQUIVALENT	3	2	NATURAL
2077780313	UL1015 / UL1230 OR EQUIVALENT	3	3	GRAY
2077780413	UL1015 / UL1230 OR EQUIVALENT	3	4	YELLOW
2077780513	UL1015 / UL1230 OR EQUIVALENT	3	5	BROWN
2077780613	UL1015 / UL1230 OR EQUIVALENT	3	6	ORANGE
2077780713	UL1015 / UL1230 OR EQUIVALENT	3	7	BLUE
2077780813	UL1015 / UL1230 OR EQUIVALENT	3	8	GREEN
2077780913	UL1015 / UL1230 OR EQUIVALENT	3	9	MINT
2077780114	UL1015 / UL1230 OR EQUIVALENT	4	1	RED
2077780214	UL1015 / UL1230 OR EQUIVALENT	4	2	NATURAL
2077780314	UL1015 / UL1230 OR EQUIVALENT	4	3	GRAY
2077780414	UL1015 / UL1230 OR EQUIVALENT	4	4	YELLOW
2077780514	UL1015 / UL1230 OR EQUIVALENT	4	5	BROWN
2077780614	UL1015 / UL1230 OR EQUIVALENT	4	6	ORANGE
2077780714	UL1015 / UL1230 OR EQUIVALENT	4	7	BLUE
2077780814	UL1015 / UL1230 OR EQUIVALENT	4	8	GREEN
2077780914	UL1015 / UL1230 OR EQUIVALENT	4	9	MINT

PART NUMBER DETAILS

WITH KEY AND CLIP SLOT P/N	WIRE STYLE	NO. OF CIRCUITS	KEYING CONFIGURATION	COLOR
2077781112	UL1015 / UL1230 OR EQUIVALENT	2	1	RED
2077781212	UL1015 / UL1230 OR EQUIVALENT	2	2	NATURAL
2077781312	UL1015 / UL1230 OR EQUIVALENT	2	3	GRAY
2077781412	UL1015 / UL1230 OR EQUIVALENT	2	4	YELLOW
2077781512	UL1015 / UL1230 OR EQUIVALENT	2	5	BROWN
2077781612	UL1015 / UL1230 OR EQUIVALENT	2	6	ORANGE
2077781712	UL1015 / UL1230 OR EQUIVALENT	2	7	BLUE
2077781812	UL1015 / UL1230 OR EQUIVALENT	2	8	GREEN
2077781912	UL1015 / UL1230 OR EQUIVALENT	2	9	MINT
2077781113	UL1015 / UL1230 OR EQUIVALENT	3	1	RED
2077781213	UL1015 / UL1230 OR EQUIVALENT	3	2	NATURAL
2077781313	UL1015 / UL1230 OR EQUIVALENT	3	3	GRAY
2077781413	UL1015 / UL1230 OR EQUIVALENT	3	4	YELLOW
2077781513	UL1015 / UL1230 OR EQUIVALENT	3	5	BROWN
2077781613	UL1015 / UL1230 OR EQUIVALENT	3	6	ORANGE
2077781713	UL1015 / UL1230 OR EQUIVALENT	3	7	BLUE
2077781813	UL1015 / UL1230 OR EQUIVALENT	3	8	GREEN
2077781913	UL1015 / UL1230 OR EQUIVALENT	3	9	MINT
2077781114	UL1015 / UL1230 OR EQUIVALENT	4	1	RED
2077781214	UL1015 / UL1230 OR EQUIVALENT	4	2	NATURAL
2077781314	UL1015 / UL1230 OR EQUIVALENT	4	3	GRAY
2077781414	UL1015 / UL1230 OR EQUIVALENT	4	4	YELLOW
2077781514	UL1015 / UL1230 OR EQUIVALENT	4	5	BROWN
2077781614	UL1015 / UL1230 OR EQUIVALENT	4	6	ORANGE
2077781714	UL1015 / UL1230 OR EQUIVALENT	4	7	BLUE
2077781814	UL1015 / UL1230 OR EQUIVALENT	4	8	GREEN
2077781914	UL1015 / UL1230 OR EQUIVALENT	4	9	MINT

PART NUMBER LOGIC

207778 - X X X X

- SERIES NUMBERS
- 1 = CLIP SLOT / WITH PANEL MOUNT
  0 = NON-CLIP SLOT / WITHOUT PANEL MOUNT
- 1 - 9 KEYS
- 0 = UL1007/1061 COMPATIBLE
  1 = UL1015 / UL1230 COMPATIBLE
- CIRCUITE SIZE

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/15 11:52:06

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

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DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 792212
DRWN: KARTHG3 2024/03/05
CHK'D: KARTHG3 2024/07/12
APPR: MRAMAKRISHNA 2024/07/15

INITIAL REVISION:
DRWN: MUM 2019/01/30
APPR: NCSR 2019/07/03

molex

PLUG ASSEMBLY
SQUBA 3.6

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2077780000-SD	PSD	000	E1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	E-SIZE	207778		GENERAL MARKET	6 OF 6