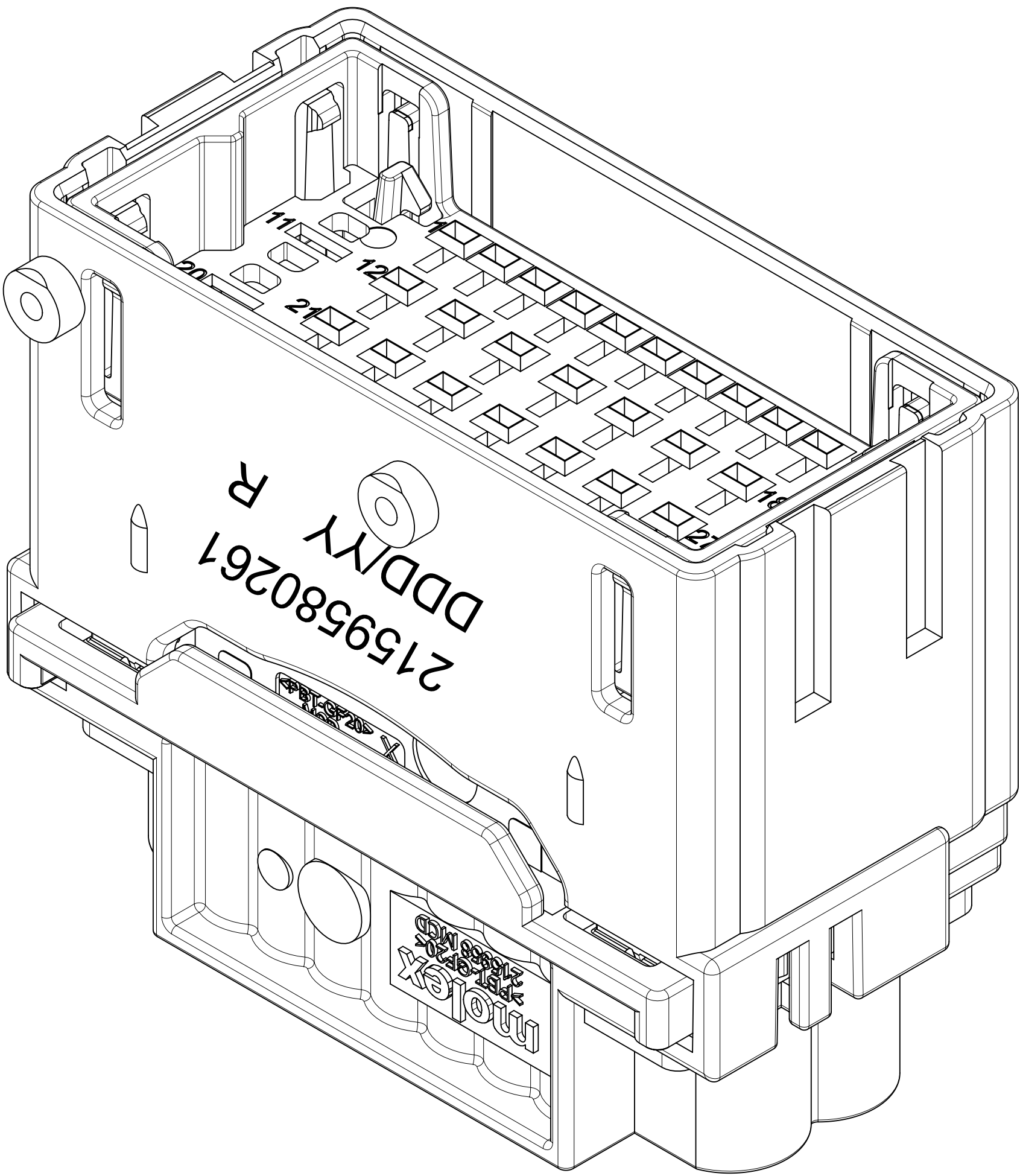


MODIFICATIONS			
REV.	DESCRIPTIONS	NAME	DATE
A	FIRST RELEASE	DHG	2023-03-02
A1	FROM 2159580164 TO 2159580264 IN TABLE KEYING D FROM COMPATIBLE WITH BLADE HOUSING COLOR TO COMPATIBLE WITH RCPT HOUSING COLOR IN TABLE FOR ALL KEYINGS FROM RESTRICTED PRODUCT SALES DRAWING TO PRODUCT SALES DRAWING	VJ	2023-07-26
A2	SHEET 3 : ADD ASSOCIATED PARTS TABLE WITH SUPPLIER P/N AND ADD DIM E.99 , E.106 , E.107 , E.110 , E.112	VJ	2024-02-21



NOTES:

1. GENERAL:
- 1.1 PRODUCT SPECIFICATION: 2159580000-PS

1.2 TEST SUMMARY: XXXXXXXXXX-TS

1.3 APPLICATION SPECIFICATION: 2159580000-AS

1.4 PACKAGING SPECIFICATION: 2159580150-PK

1.5 COSMETIC SPECIFICATION: PS-45499-002 CLASS B

1.6 MATES WITH : RECEPTACLE CONNECTOR DRAWING 2159580150-SD

1.7 CONNECTOR MATING FORCE ALLOWED : 60 N MAXI

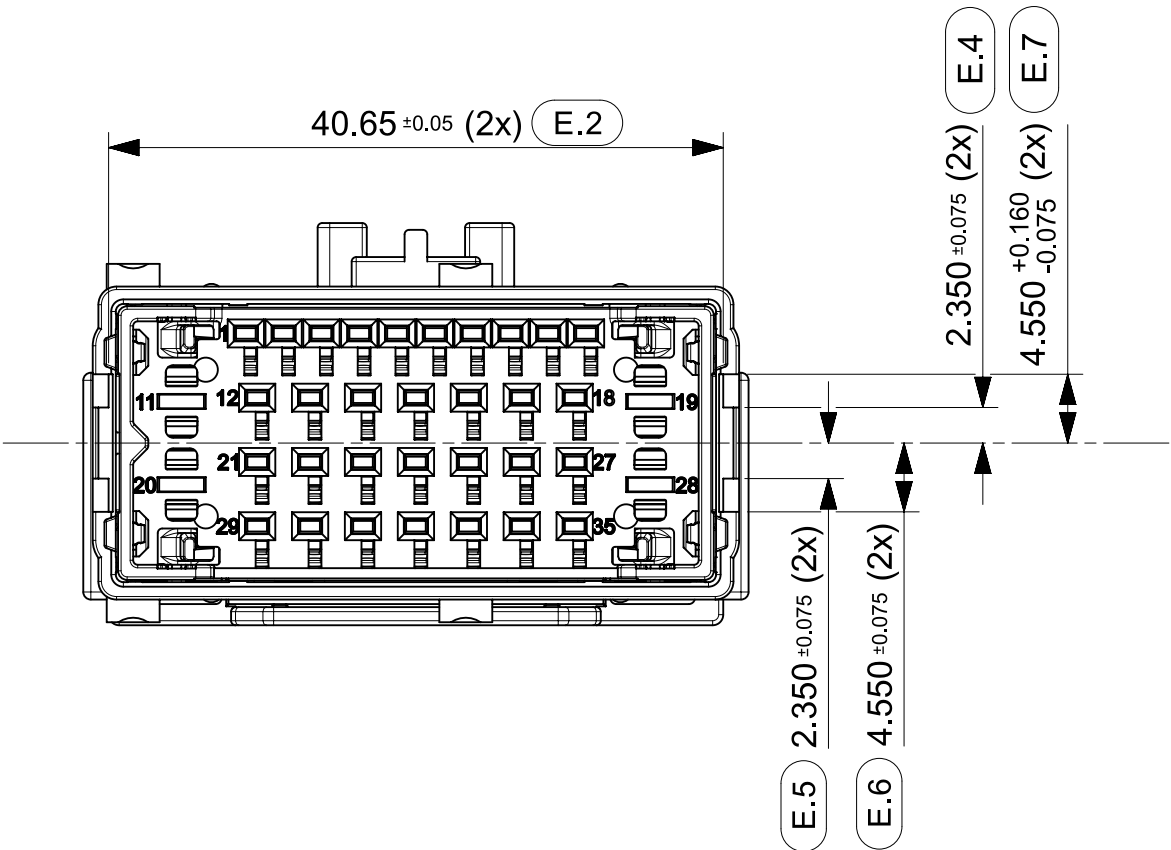
1.8 WEIGHT (GRAMS) : 18.05 g

1.9 THE BLADE HOUSING SHOWN IS KEYING A
2. DESIGN - MATERIALS:
- SEE TABLE ON SHEET N°3

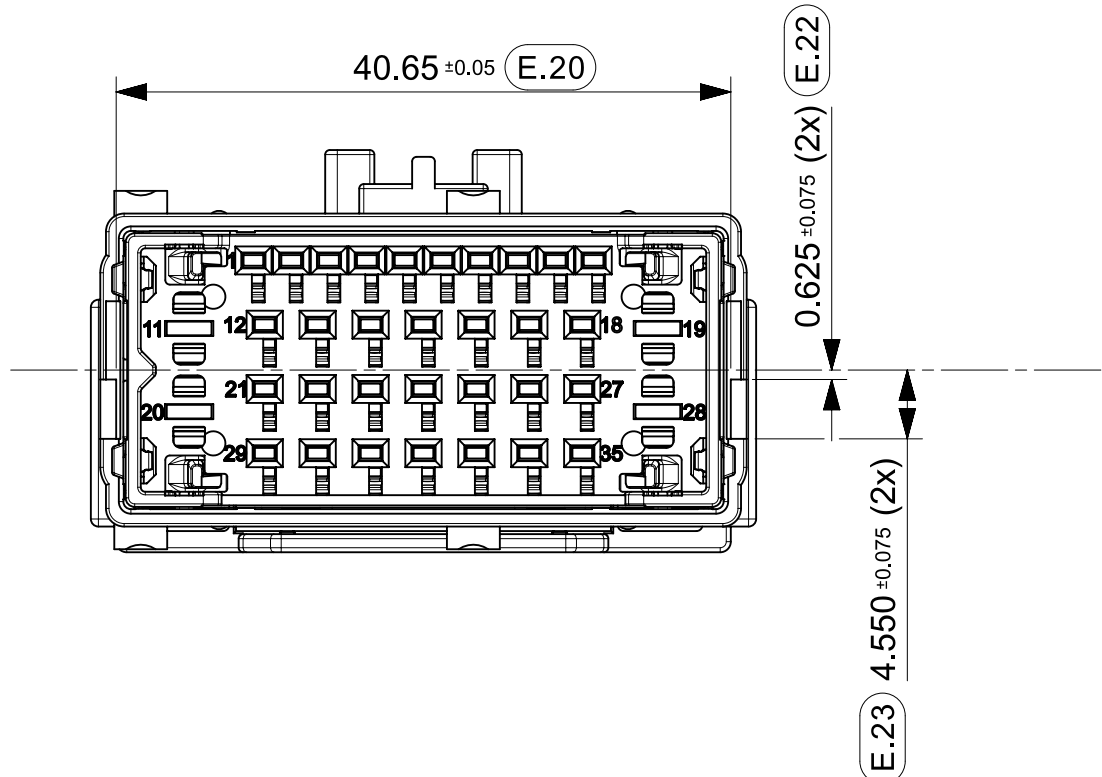
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE	CURRENT REV DESC: SEE REVISION TABLE				molex				
mm		2.5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)			35CKT HYB STD_ ASSY BLADE HSG								
ANGULAR TOL		± 2°									
4 PLACES	± 0.03000										
3 PLACES	± 0.0300										
2 PLACES	± 0.050										
1 PLACE	± 0.10	STATUS: Production DRWN: Valerie Jouas CHK'D: OlivierPlessis APPR: Matthieu Huguet 2023-11-30 2024-02-28 2024-02-28				PRODUCT SALES DRAWING					
0 PLACES	± 0.15										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			FIRST ANGLE PROJECTION		DRAWING	SERIES	DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
			A1-SIZE	215958	2159580250-SD		PSD	000	A2		
							MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
							SEE SHEET 3		GENERAL MARKET		1 OF 4

KEYING DEFINITION

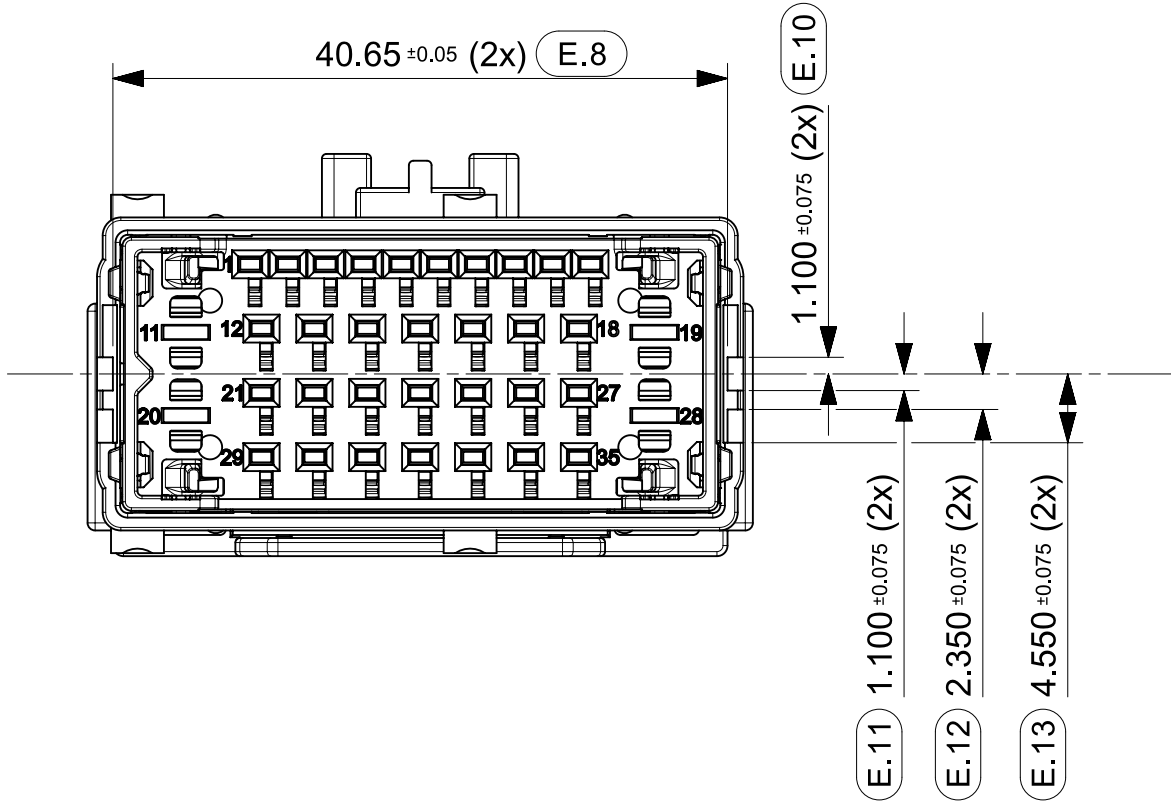
KEYING	A
MOLEX PART NUMBER	2159580261
COLOR	NATURAL WHITE
COMPATIBLE WITH RCPT HOUSING COLOR	NATURAL WHITE



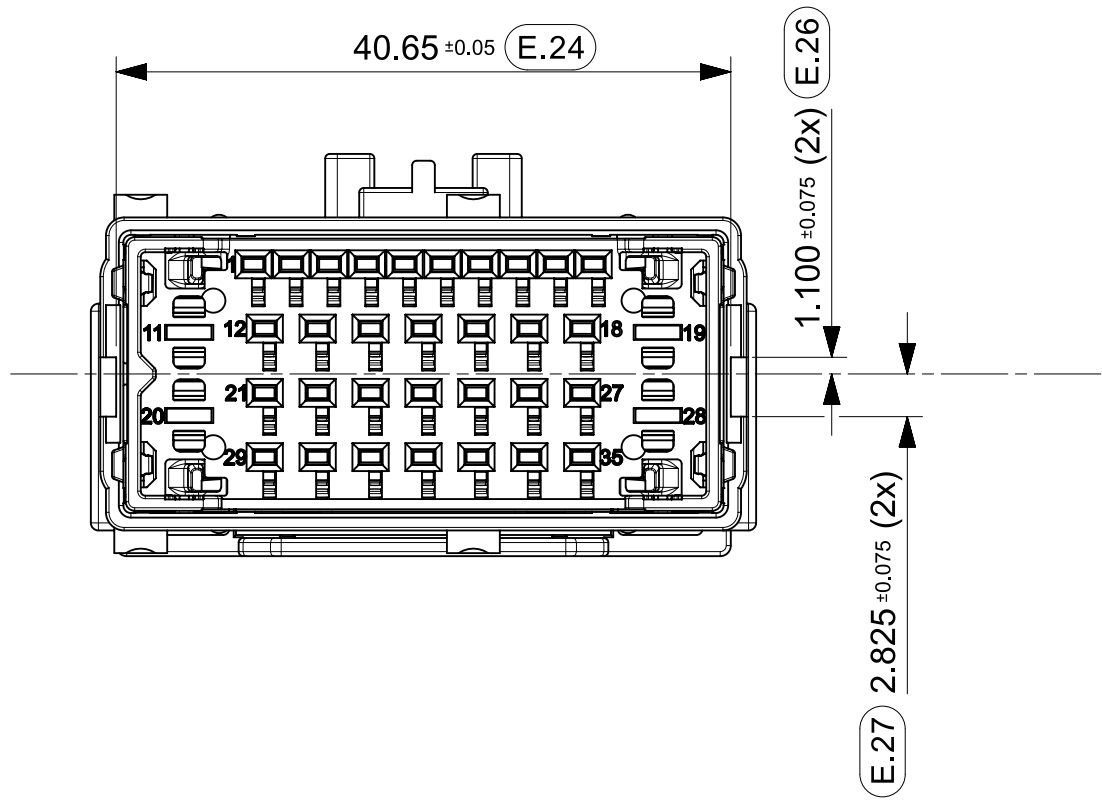
KEYING	D
MOLEX PART NUMBER	2159580264
COLOR	BLUE
COMPATIBLE WITH RCPT HOUSING COLOR	BLUE



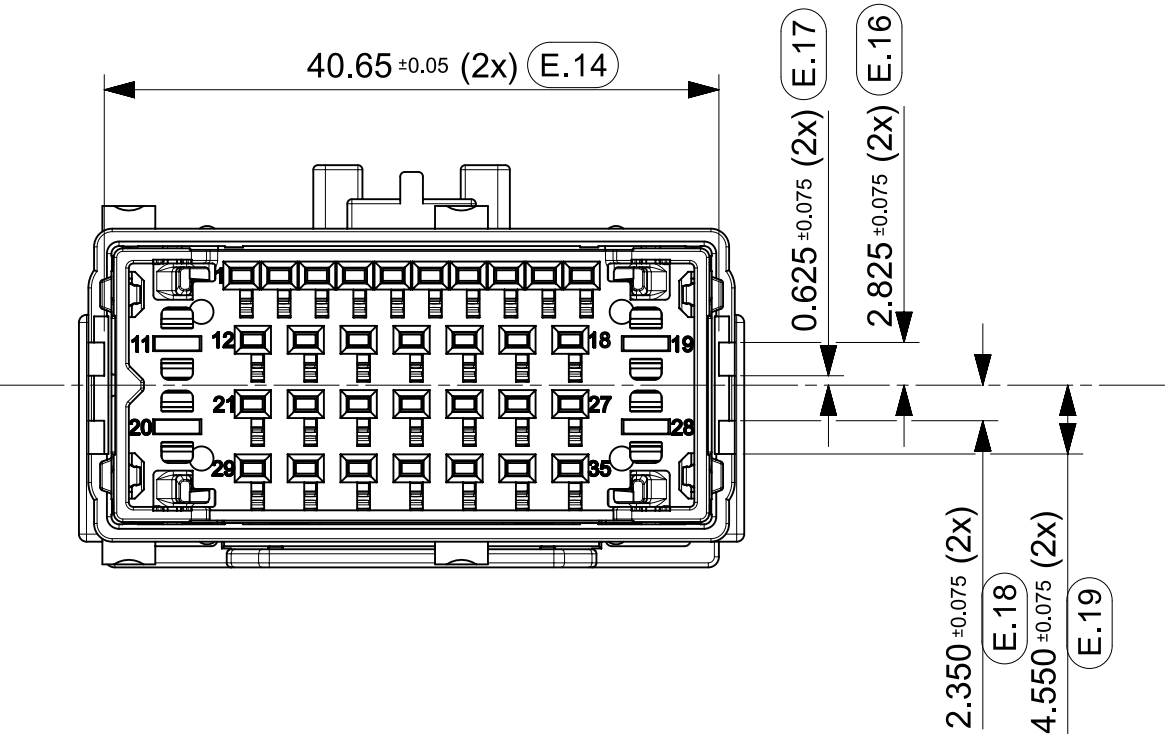
KEYING	B
MOLEX PART NUMBER	2159580262
COLOR	BLACK
COMPATIBLE WITH RCPT HOUSING COLOR	BLACK



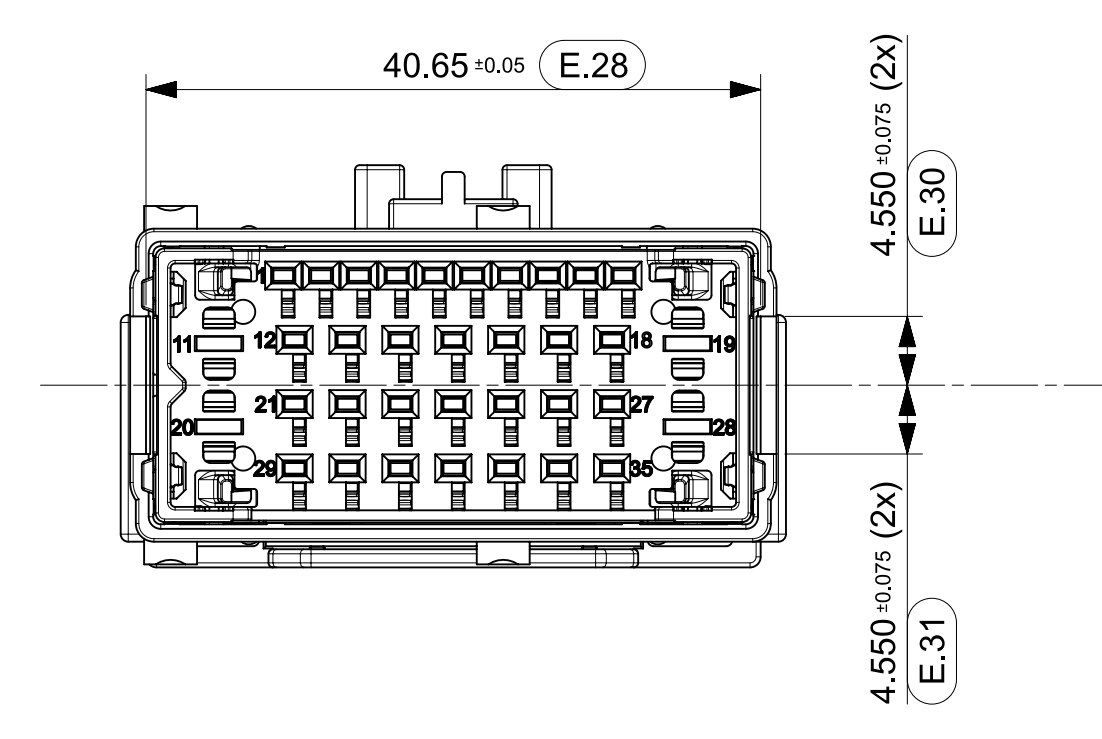
KEYING	E
MOLEX PART NUMBER	2159580265
COLOR	BROWN
COMPATIBLE WITH RCPT HOUSING COLOR	BROWN



KEYING	C
MOLEX PART NUMBER	2159580263
COLOR	GRAY
COMPATIBLE WITH RCPT HOUSING COLOR	GRAY



KEYING	Z
MOLEX PART NUMBER	2159580269
COLOR	PURPLE
COMPATIBLE WITH RCPT HOUSING COLOR	PURPLE



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DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 2°

4 PLACES ± 0.03000

3 PLACES ± 0.0300

2 PLACES ± 0.050

1 PLACE ± 0.10

0 PLACES ± 0.15

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

STATUS: Production

DRWN: Valerie Jouas

CHK'D: OlivierPlessis

APPR: Matthieu Huguet

2023-11-30

2024-02-28

2024-02-28

FIRST ANGLE PROJECTION

A1-SIZE

SERIES

215958

DOCUMENT NUMBER

2159580250-SD

DOC TYPE

PSD

DOC PART

000

REVISION

A2

PRODUCT SALES DRAWING

MATERIAL NUMBER

SEE SHEET 3

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 4

18

17

16

15

14

13

12

11

10

9

8

7

6

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16

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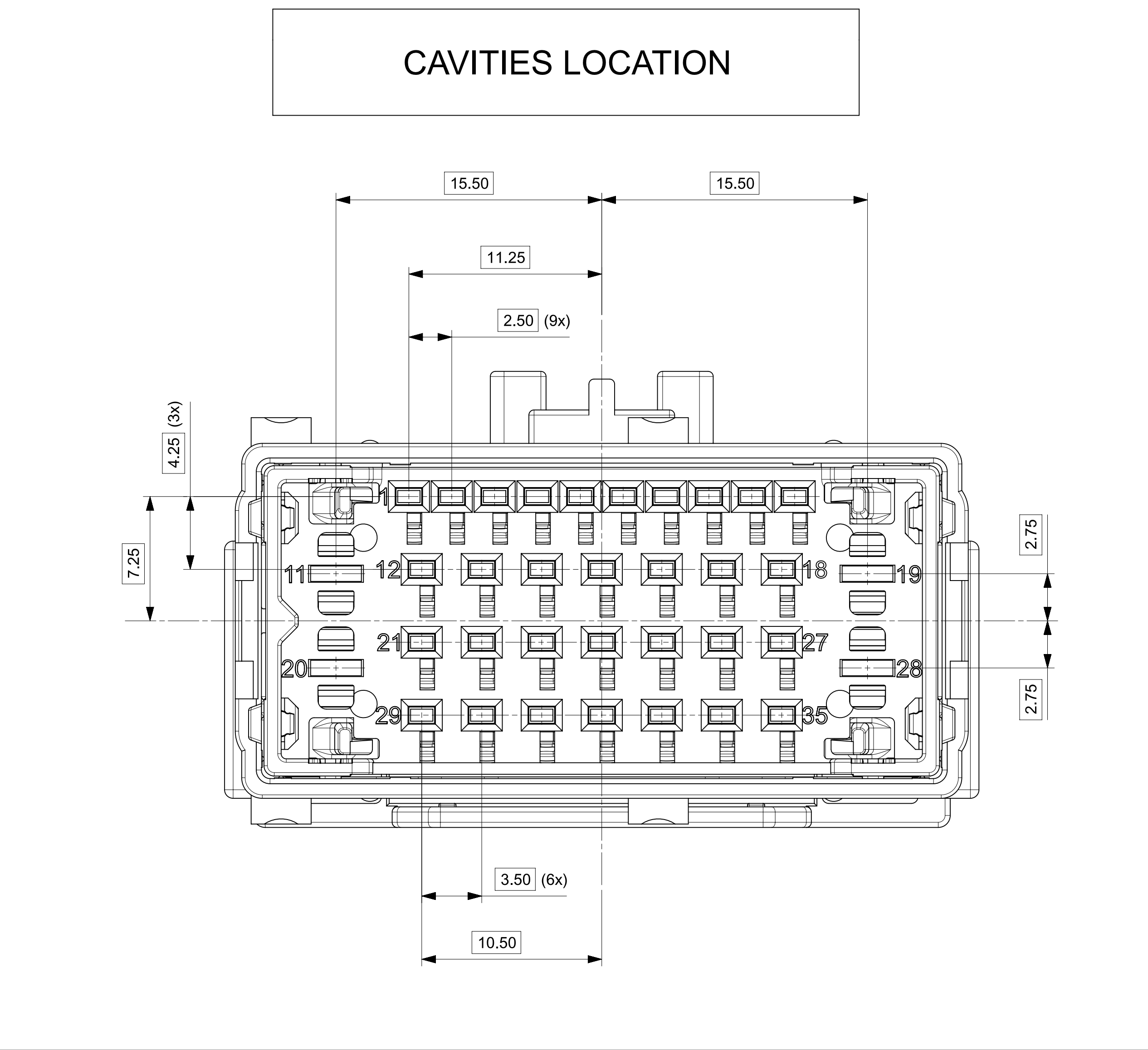
3

2

1

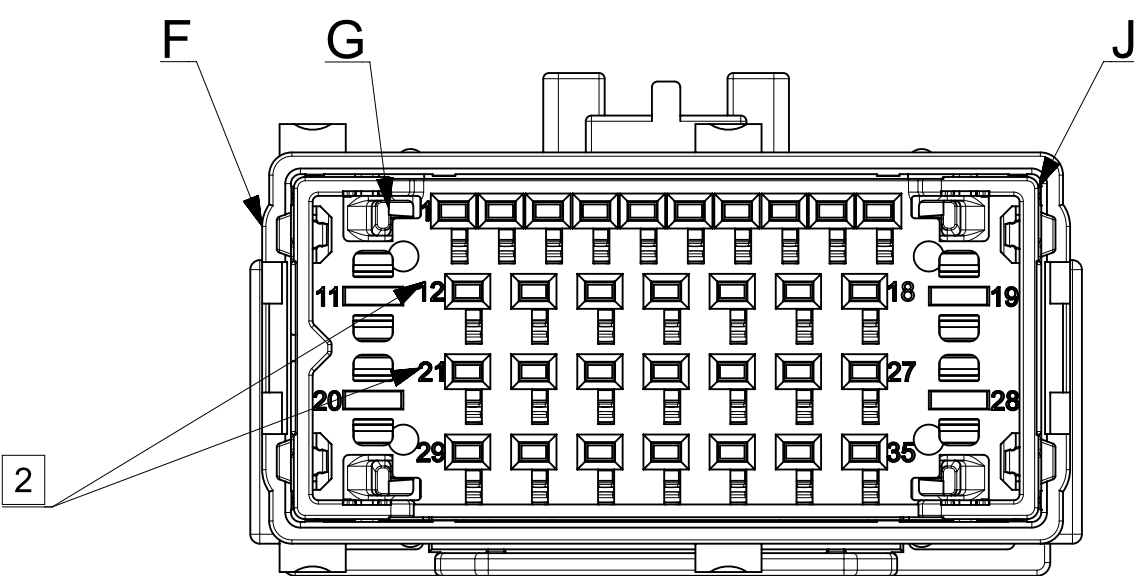
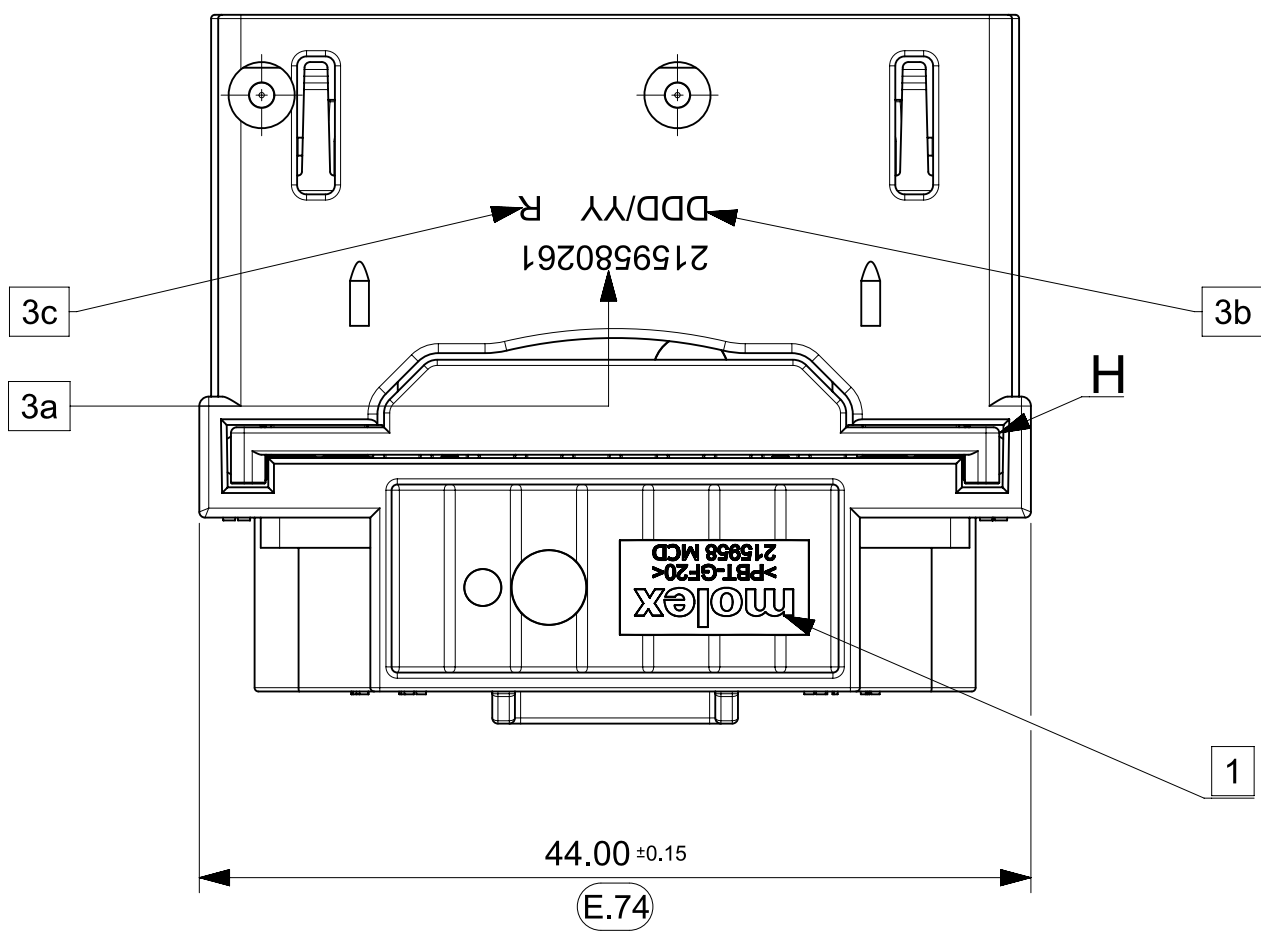
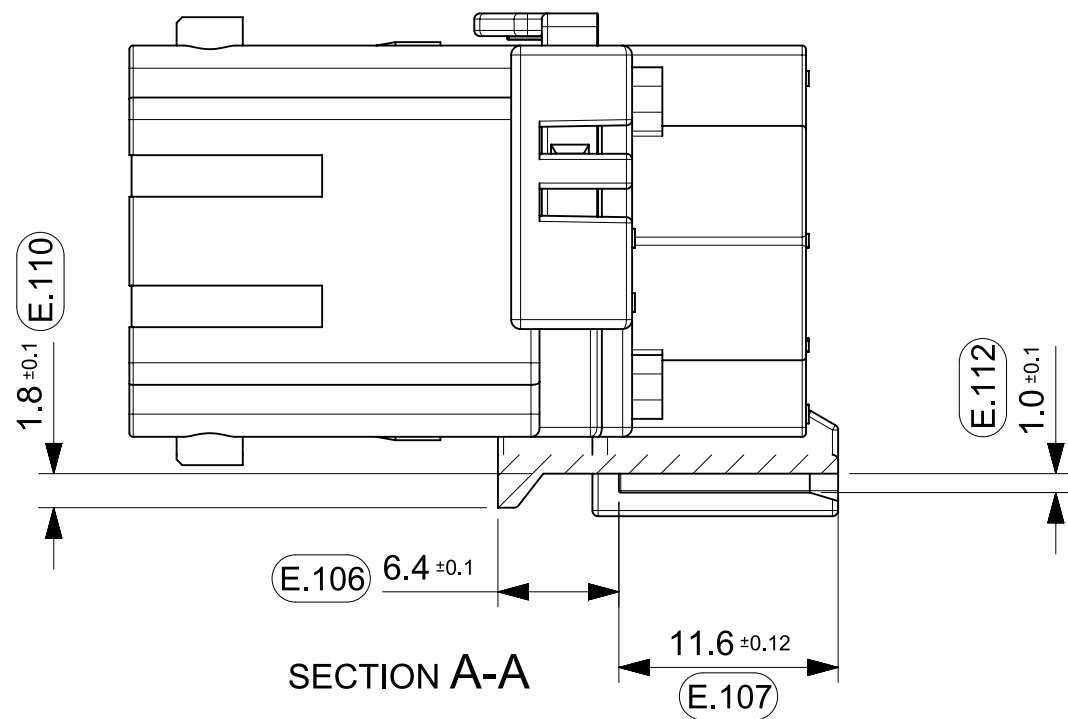
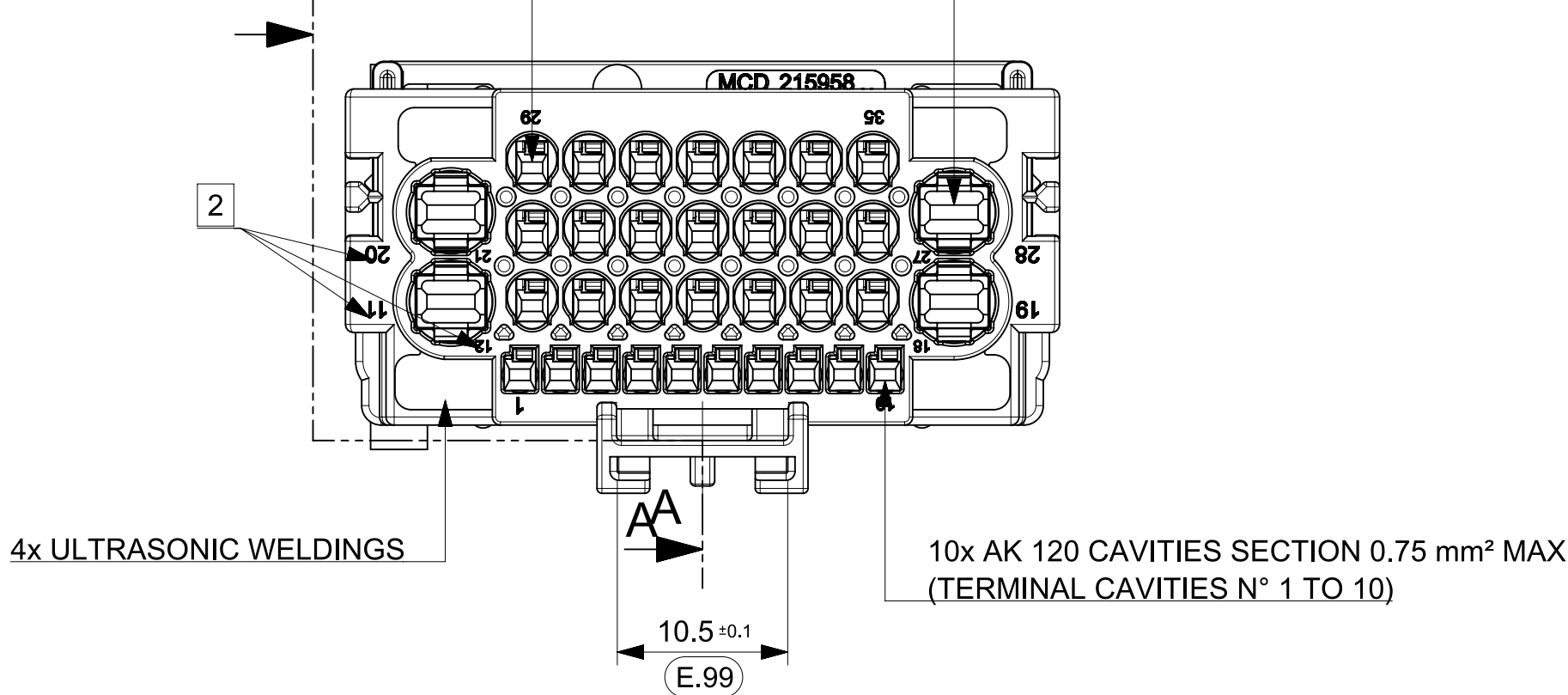
18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

M L K J H G F E D C B A



21x AK 120 CAVITIES SECTION 1.5 mm² MAX
(TERMINAL CAVITIES 12 TO 18, 21 TO 27 AND 29 TO 35)

4x MCP 280 CAVITIES
(TERMINAL CAVITIES 11, 19, 20 AND 28)



COMPONENTS				
POS.	QTY	DESCRIPTION	MATERIAL	COLOR
F	1	35CKT HYB STD BLADE CONN HSG	PBT-GF20	FOLLOWING KEYING
G	1	35CKT HYB STD BLADE TERM HSG	PBT-GF20	BLACK
H	1	STD BLADE ISL	PBT-GF20	NATURAL-WHITE FOR KEYINGS B C D E AND Z
				BLACK FOR KEYING A
J	1	STD PPP	PBT-GF20	NATURAL-WHITE

ASSOCIATED PARTS			
DESCRIPTION	SECTION (mm²)	SUPPLIER P/N	PLATING
OCS 120 MALE TERMINAL APTIV (DELPHI)	0.13 - 0.22	33265581	TIN
	0.35 - 0.50	33265583	
	0.75 - 1.00	33265584	
	1.50	33265585	
MCON 280 MALE TERMINAL TE	0.50	1-963860-1	
	0.75 - 1.00	1-962841-1	
	1.50 - 2.50	1-962842-1	
	3.00 - 4.00	1-968946-1	

MARKINGS	
1	TRADE MARK
2	CAVITY ID
3	ASSY BLADE HOUSING LASER MARKING
3a	PART NUMBER
3b	DAY / YEAR
3c	MATED CONNECTOR REVISION

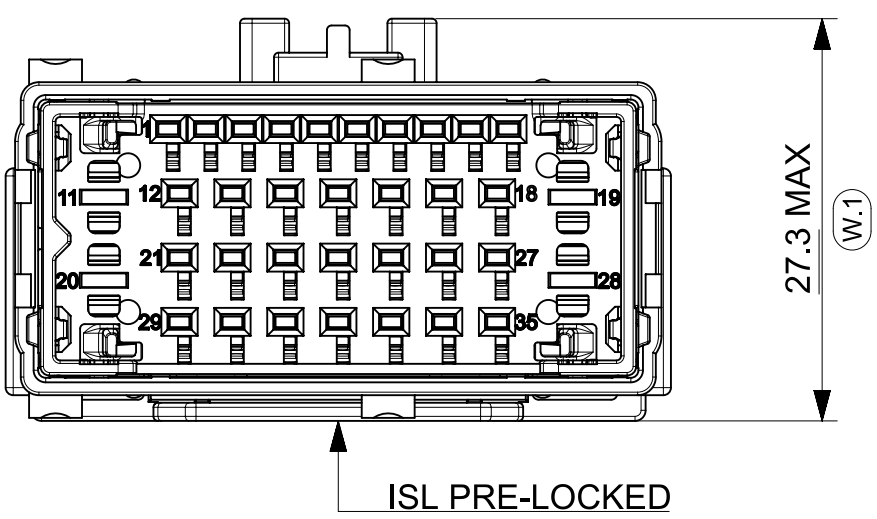
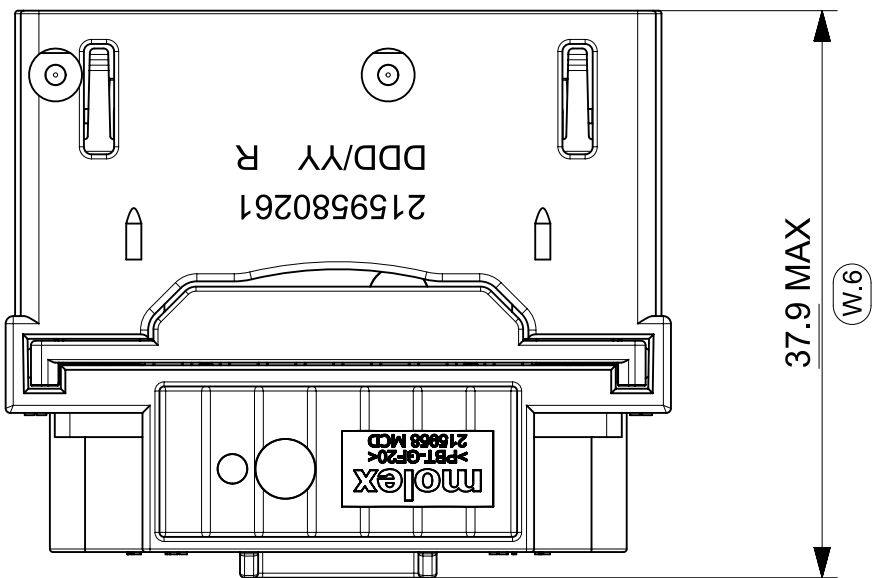
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DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE									
mm		2.5:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL ± 2°													
4 PLACES		± 0.03000											
3 PLACES		± 0.0300											
2 PLACES		± 0.050		STATUS: Production DRWN: Valerie Jouas 2023-11-30 CHK'D: OlivierPlessis 2024-02-28 APPR: Matthieu Huguet 2024-02-28									
1 PLACE		± 0.10											
0 PLACES		± 0.15											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
FIRST ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A1-SIZE		215958		SEE TABLE		GENERAL MARKET		3 OF 4	

					
35CKT HYB STD_ASSY BLADE HSG					
PRODUCT SALES DRAWING					
DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
2159580250-SD			PSD	000	A2

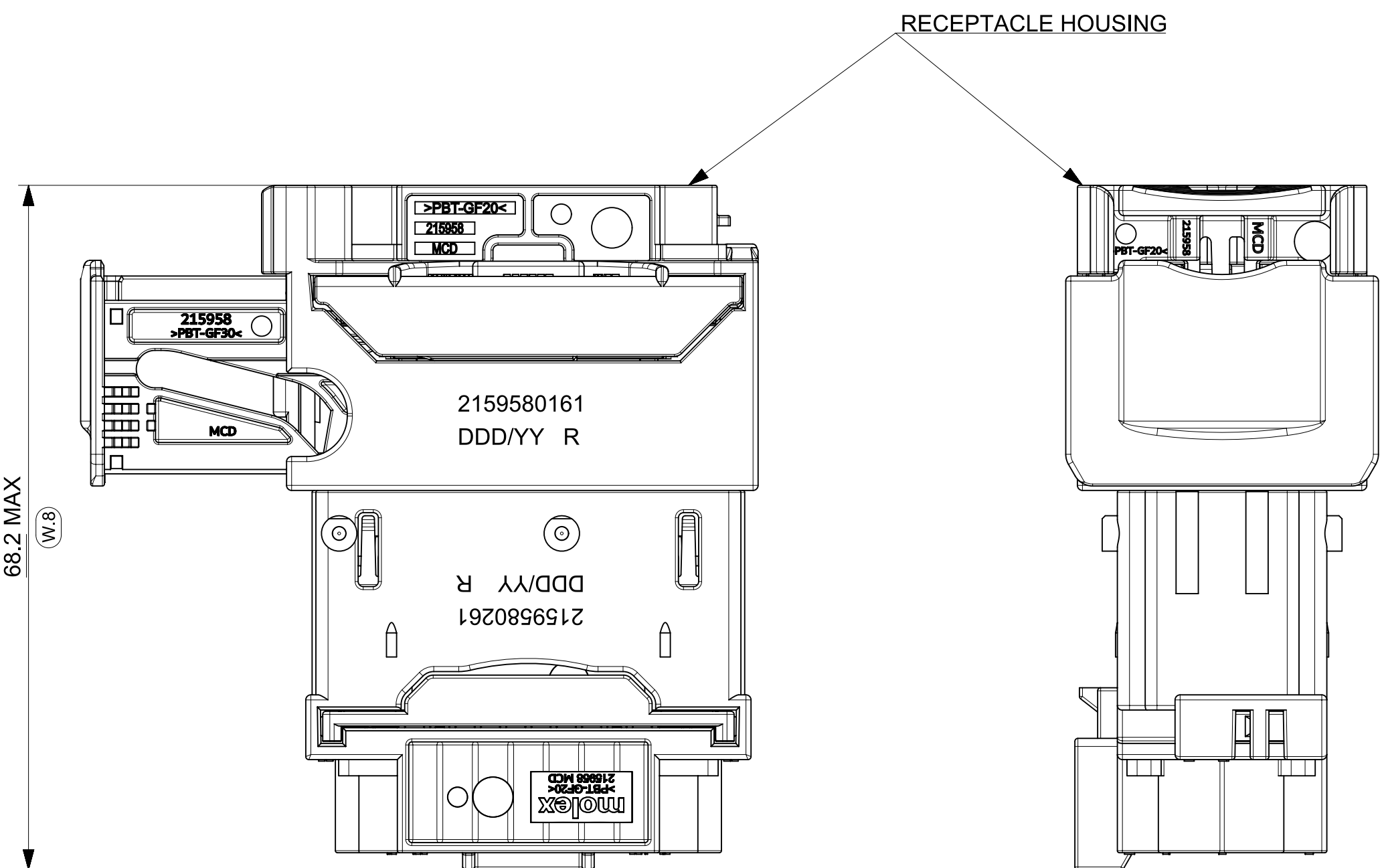
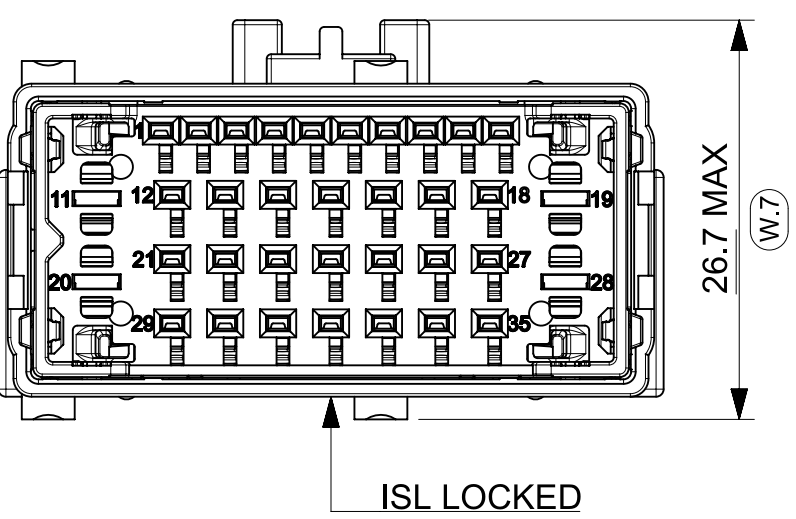
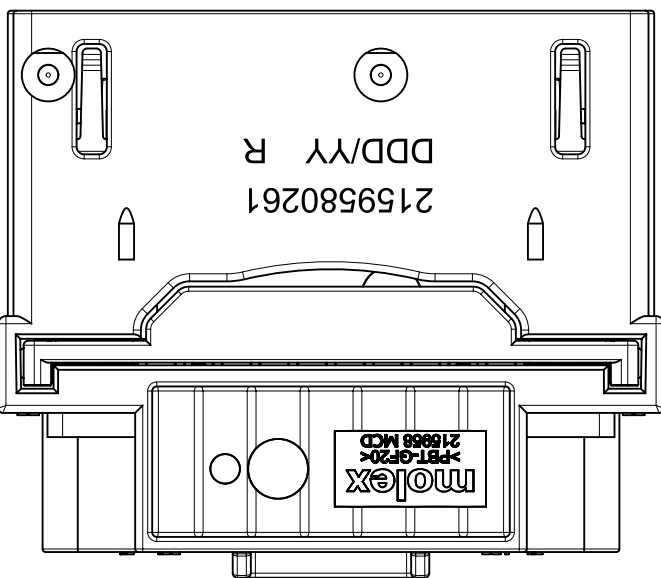
molex			
35CKT HYB STD_ASSY BLADE HSG			
PRODUCT SALES DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2159580250-SD	PSD	000	A2

18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

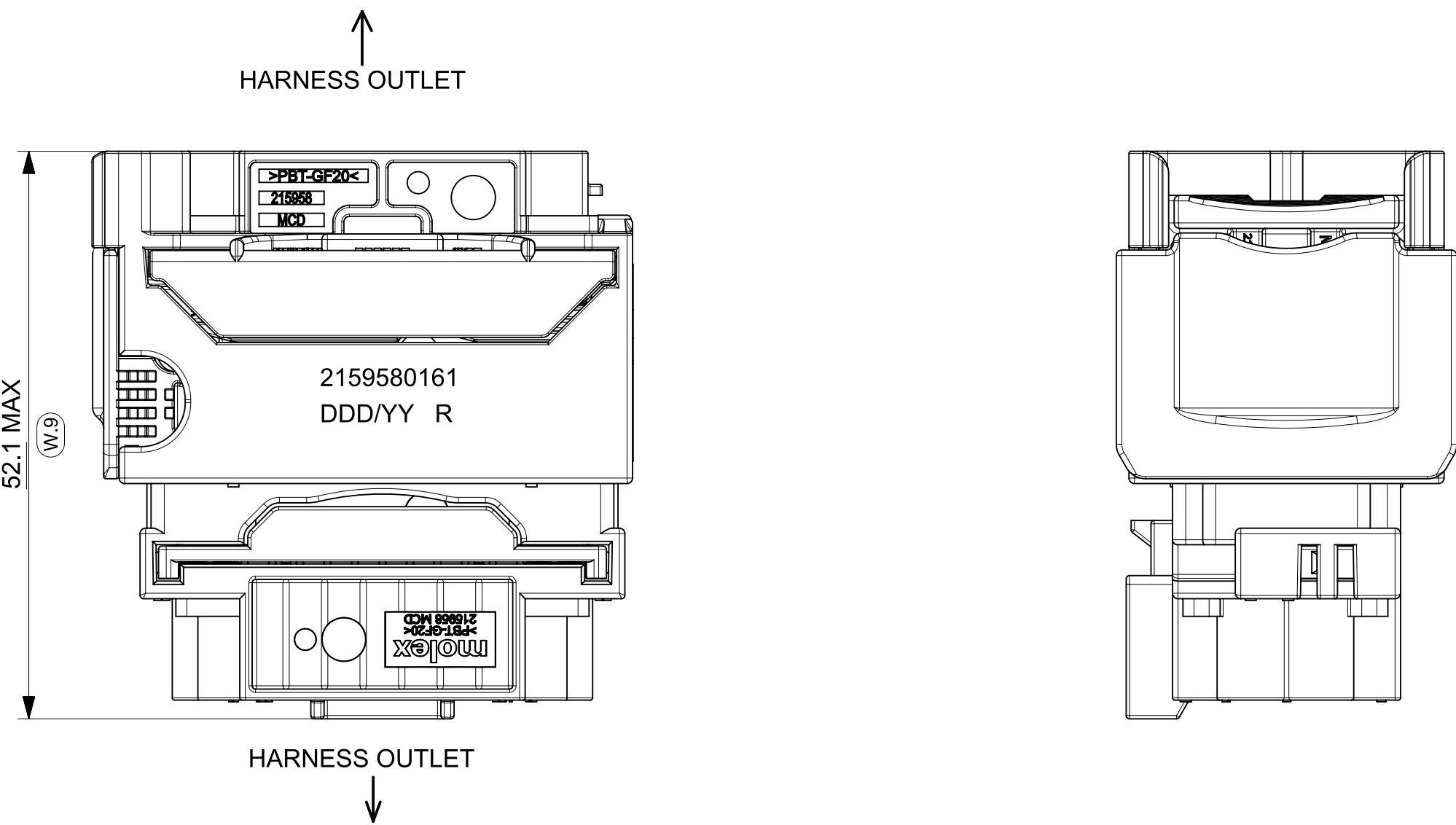
OVERALL BLADE HOUSING DIMENSIONS
DELIVERY POSITION



OVERALL BLADE HOUSING DIMENSIONS
ISL LOCKED



BEFORE MATING POSITION



FULLY MATED POSITION

OVERALL RECEPTACLE HOUSING ON BLADE HOUSING DIMENSIONS

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DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE							
mm		2:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				molex							
ANGULAR TOL ± 2°											
4 PLACES		± 0.03000		35CKT HYB STD_ ASSY BLADE HSG							
3 PLACES		± 0.0300									
2 PLACES		± 0.050		PRODUCT SALES DRAWING							
1 PLACE		± 0.10									
0 PLACES		± 0.15		DOCUMENT NUMBER 2159580250-SD							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
STATUS: Production				2023-11-30		DOC TYPE		DOC PART		REVISION	
DRWN: Valerie Jouas				2024-02-28		PSD		000		A2	
CHK'D: OlivierPlessis				2024-02-28		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
APPR: Matthieu Huguet				2024-02-28		SEE SHEET 3		GENERAL MARKET		4 OF 4	
FIRST ANGLE PROJECTION				DRAWING		SERIES					
				A1-SIZE		215958					