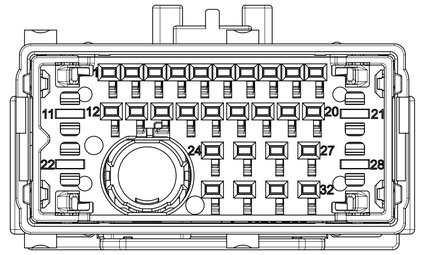
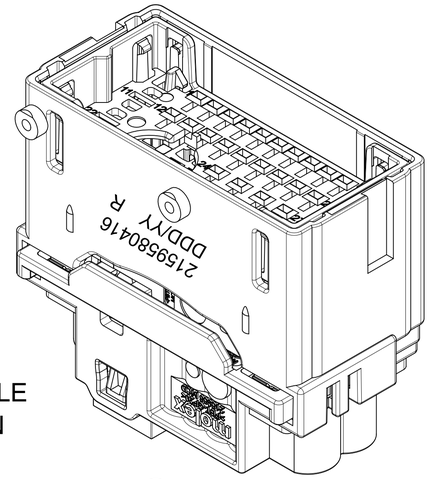
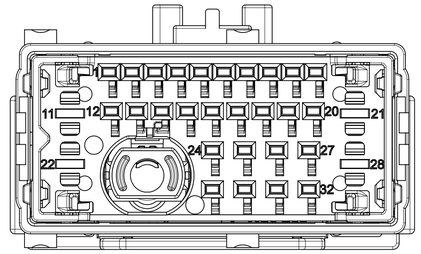
MODIFICATIONS

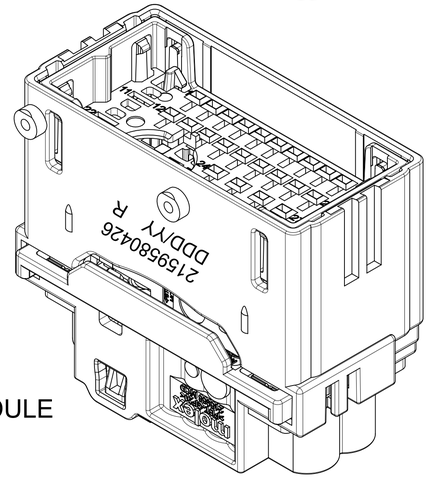
REV.	DESCRIPTIONS	NAME	DATE
A	FIRST RELEASE	VJ	2023-06-27
A1	SHEET 3 : REVIEW MARKING 3c IN TABLE ADD DIM E.110 , E.118 , E.119 , E.121 , E.123 ADD ASSOCIATED PARTS TABLE	VJ	2024-04-19





HSD MALE MODULE
KEYING F SHOWN



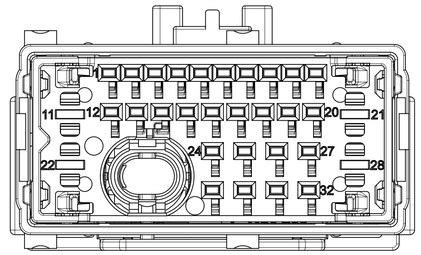


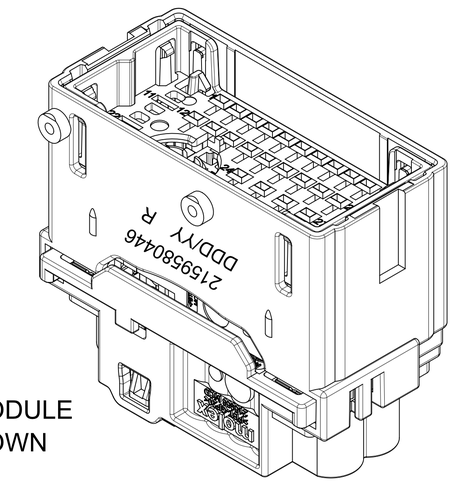
Mini Coax MALE MODULE
KEYING H SHOWN

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 2159580300-SD
   - 1.7 CONNECTOR MATING FORCE ALLOWED : 65 N MAXI
   - 1.8 WEIGHT (GRAMS) :
     - HSD VERSION : 18.11 g MAX
     - Mini Coax VERSION : 19.21 g MAX
     - MGE VERSION : 19.24 g MAX

2. DESIGN - MATERIALS:
   SEE TABLE ON SHEET 3





MGE MALE MODULE
KEYING K SHOWN

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DIMENSION UNITS	SCALE
mm	3:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 0.5°
4 PLACES	± 0.01000
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 2023-11-30
CHK'D: OlivierPlessis 2024-04-19
APPR: Matthieu Huguet 2024-04-19

molex

MX-DaSH_32CKT ASSY BLADE HSG

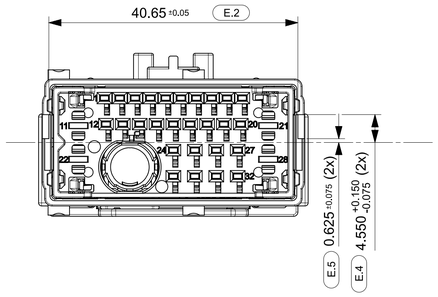
PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2159580400-SD	PSD	000	A1

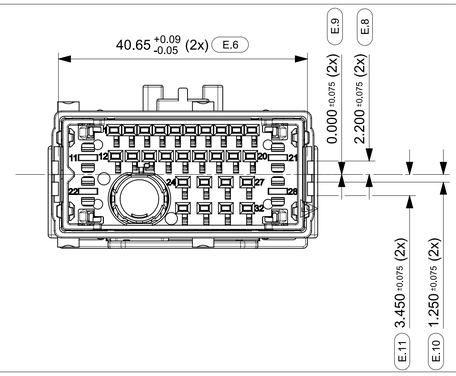
FIRST ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	215958	SEE SHEET 3	GENERAL MARKET	1 OF 4

KEYING DEFINITION

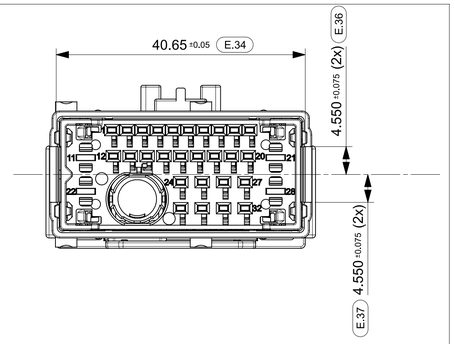
HSD MODULE	
KEYING	F
MOLEX PART NUMBER	2159580416
COLOR	BROWN
COMPATIBLE WITH RECEPTACLE HOUSING COLOR	BROWN



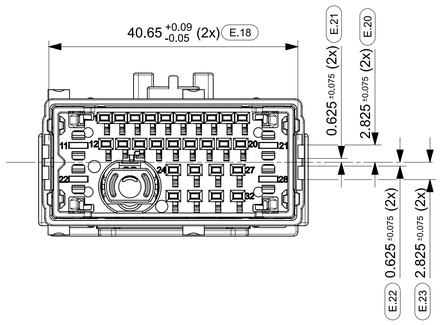
HSD MODULE	
KEYING	G
MOLEX PART NUMBER	2159580417
COLOR	GREEN
COMPATIBLE WITH RECEPTACLE HOUSING COLOR	GREEN



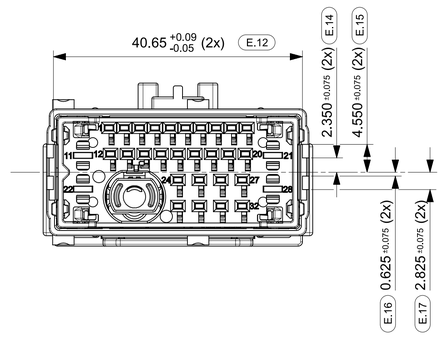
HSD MODULE	
KEYING	W
MOLEX PART NUMBER	2159580418
COLOR	PURPLE
COMPATIBLE WITH RECEPTACLE HOUSING COLOR	PURPLE



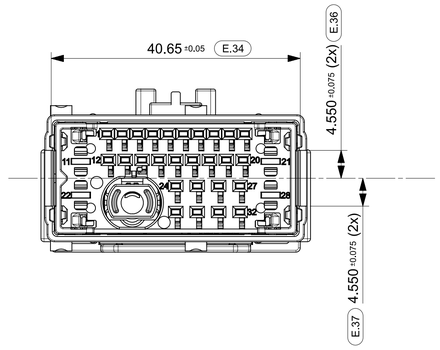
Mini Coax MODULE	
KEYING	H
MOLEX PART NUMBER	2159580426
COLOR	NATURAL - WHITE
COMPATIBLE WITH RECEPTACLE HOUSING COLOR	NATURAL - WHITE



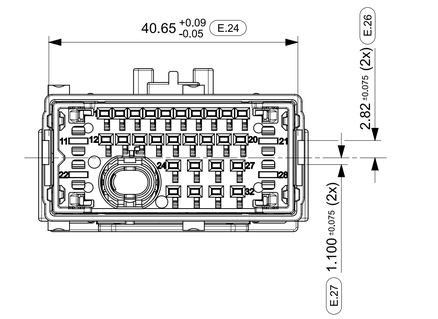
Mini Coax MODULE	
KEYING	J
MOLEX PART NUMBER	2159580427
COLOR	BLACK
COMPATIBLE WITH RECEPTACLE HOUSING COLOR	BLACK



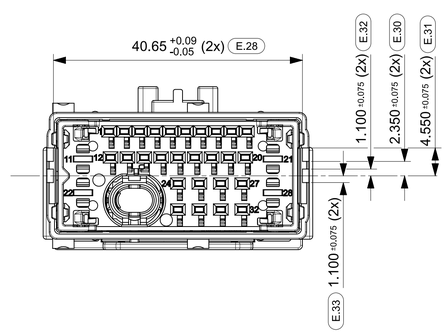
Mini Coax MODULE	
KEYING	X
MOLEX PART NUMBER	2159580428
COLOR	PURPLE
COMPATIBLE WITH RECEPTACLE HOUSING COLOR	PURPLE



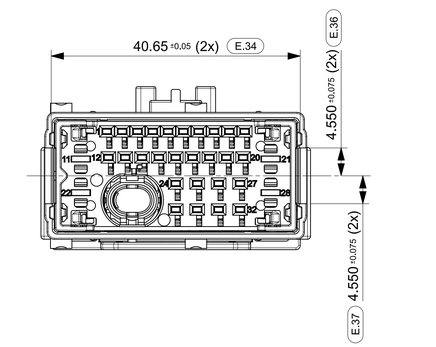
MGE MODULE	
KEYING	K
MOLEX PART NUMBER	2159580446
COLOR	GREY
COMPATIBLE WITH RECEPTACLE HOUSING COLOR	GREY



MGE MODULE	
KEYING	L
MOLEX PART NUMBER	2159580447
COLOR	BLUE
COMPATIBLE WITH RECEPTACLE HOUSING COLOR	BLUE



MGE MODULE	
KEYING	Y
MOLEX PART NUMBER	2159580448
COLOR	PURPLE
COMPATIBLE WITH RECEPTACLE HOUSING COLOR	PURPLE



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DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 0.5°
4 PLACES	± 0.01000
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 2023-11-30

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molex

MX-DaSH_32CKT ASSY BLADE HSG

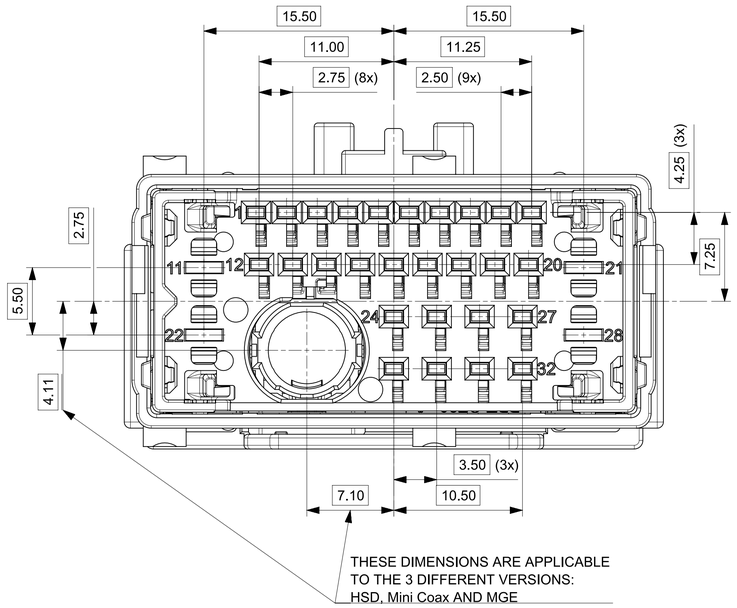
PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2159580400-SD	PSD	000	A1

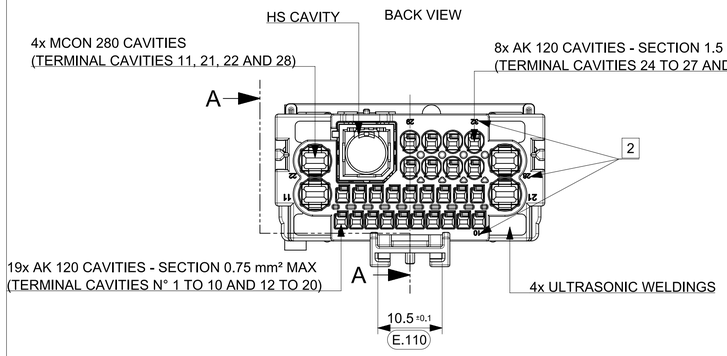
FIRST ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	215958	SEE SHEET 3	GENERAL MARKET	2 OF 4

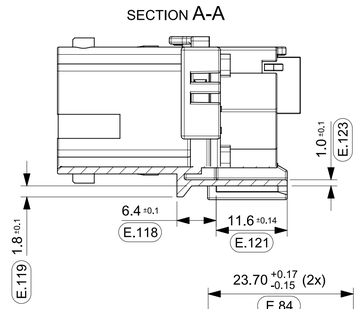
FORMAT TO drop-out A1
REVISION: B
DATE: 2022/04/01

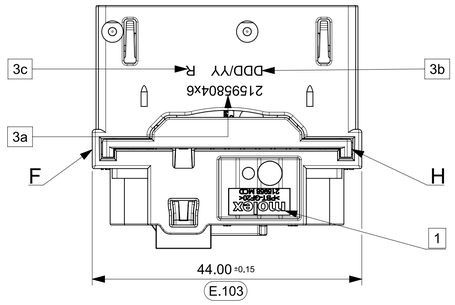
CAVITIES LOCATION

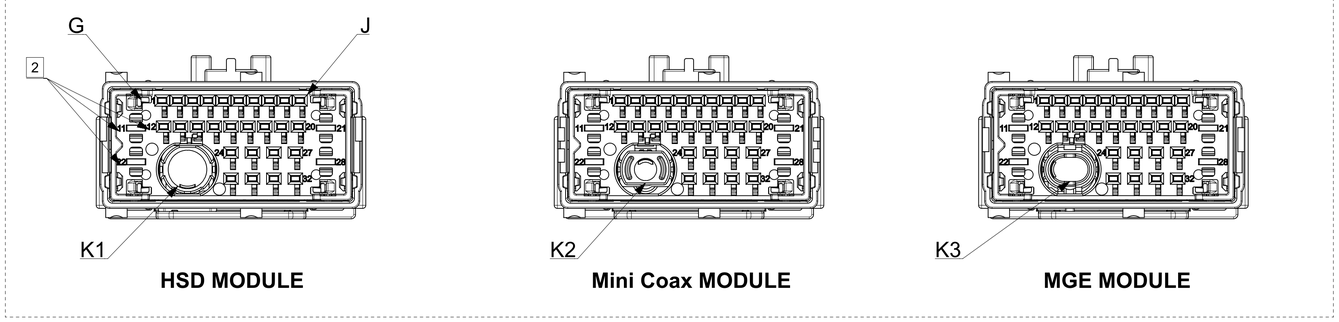


PRODUCT DEFINITION









COMPONENTS

POS.	QTY	DESCRIPTION	MATERIAL	COLOR
F	1	32CKT HYB HS BLADE CONN HSG	PBT-GF20	FOLLOWING KEYING
G	1	32CKT HYB HS BLADE TERM HSG	PBT-GF20	BLACK
H	1	32CKT HYB HS BLADE ISL	PBT-GF20	BLACK FOR KEYING H NATURAL - WHITE FOR REMAINING KEYING
J	1	32CKT HYB HS PPP	PBT-GF20	NATURAL - WHITE
K1	1	HSD MALE MODULE	PBT-GF20	BLACK
K2		Mini Coax MALE MODULE	PBT-GF20	BLACK
K3		MGE MALE MODULE	PBT-GF20	BLACK

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	1-968946-1	
	0.75 - 1.00	1-963860-1	
	1.50 - 2.50	1-962841-1	
	3.00 - 4.00	1-962842-1	
HSD MALE TERMINAL ROSENBERGER	DACAR 535	D4S10A-1D5A5	-
Mini Coax MALE TERMINAL ROSENBERGER	RTK 031	AMS18A-1M4Z5	-
	RG 174	AMS18A-102Z5	
MGE MALE TERMINAL ROSENBERGER	GG160687	E6S10A-1CAZ5	-

MARKINGS

1 TRADE MARK

2 CAVITY ID

3 ASSY BLADE HOUSING LASER MARKING

- 3a PART NUMBER
- 3b DAY / YEAR
- 3c PART ASSEMBLY REVISION

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DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 0.5°
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molex

MX-DaSH_32CKT ASSY BLADE HSG

PRODUCT SALES DRAWING

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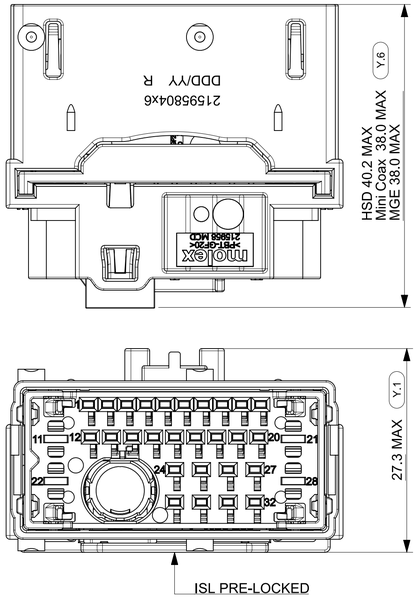
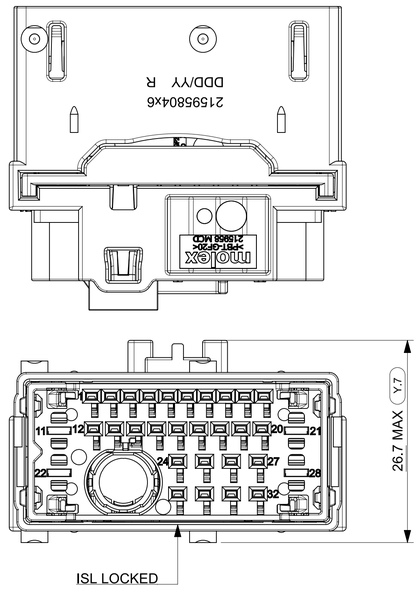
2159580400-SD	PSD	000	A1

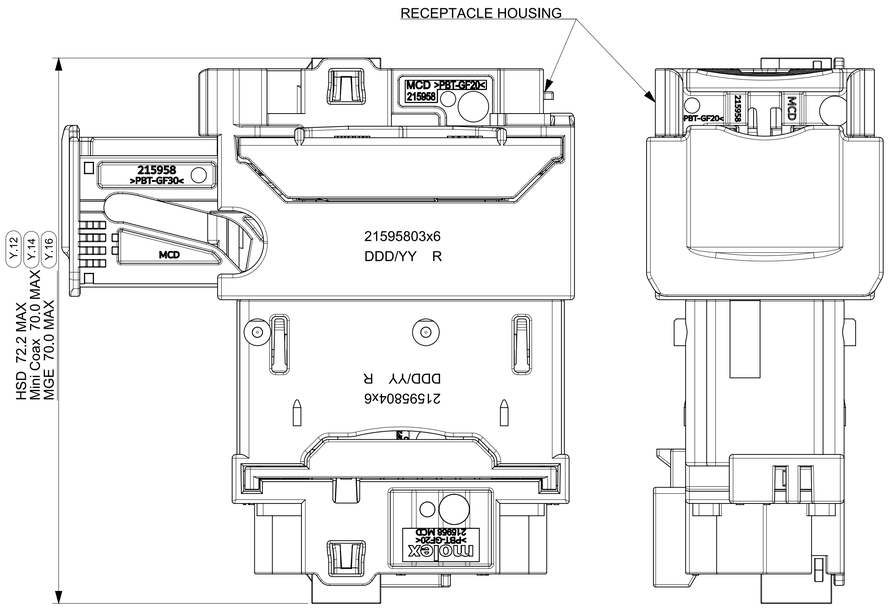
FIRST ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	215958	SEE TABLE	GENERAL MARKET	3 OF 4

OVERALL BLADE HOUSING DIMENSIONS DELIVERY POSITION

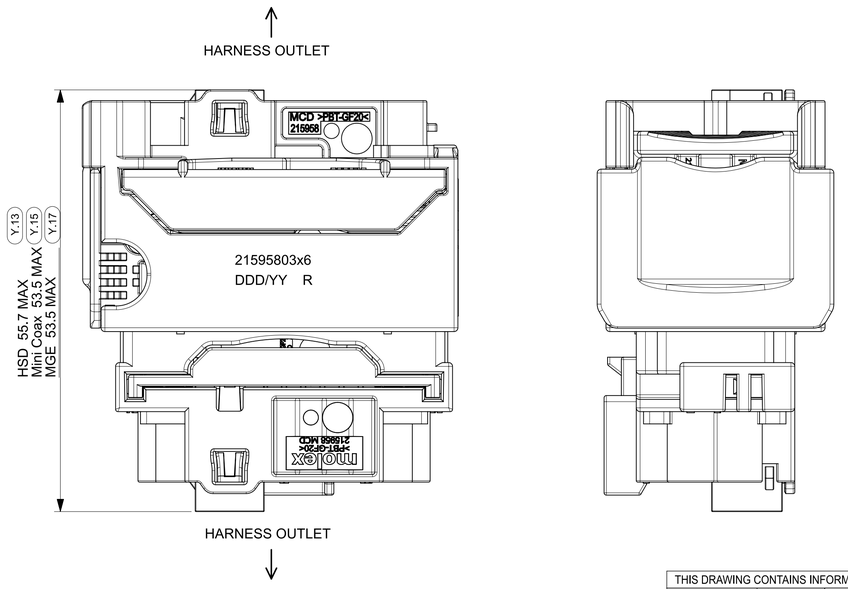


OVERALL BLADE HOUSING DIMENSIONS - ISL LOCKED -





BEFORE MATING POSITION



FULLY MATED POSITION

OVERALL RECEPTACLE HOUSING ON BLADE HOUSING DIMENSIONS

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