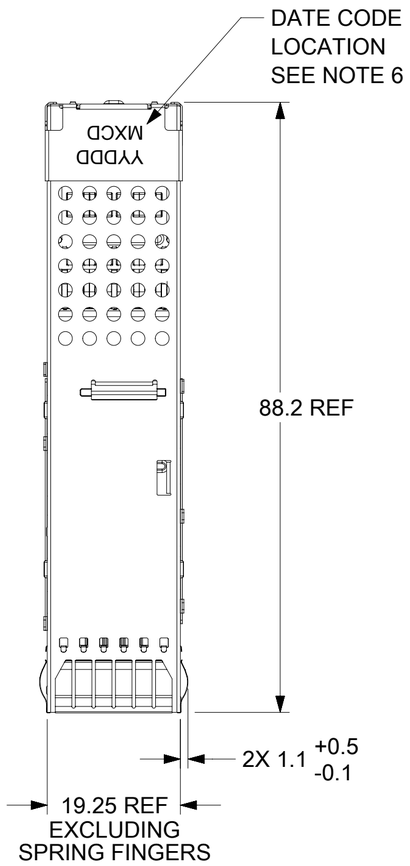
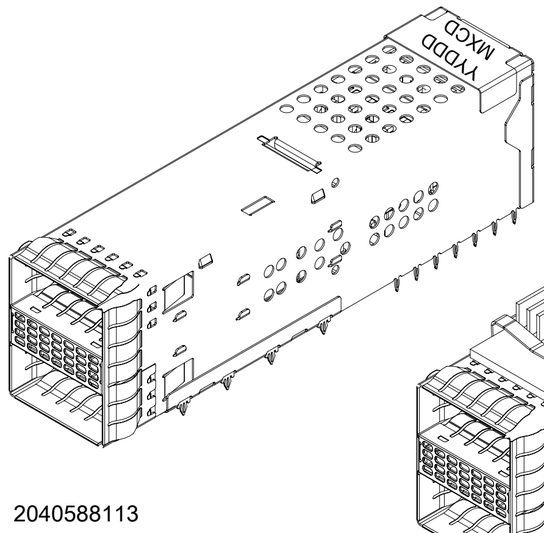
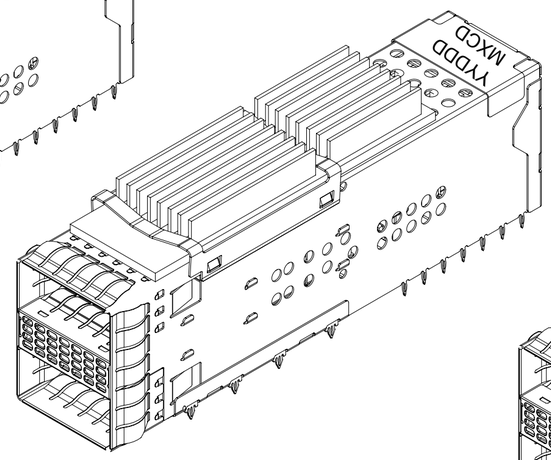
COMMON DIMENSIONS
2040588113 SHOWN

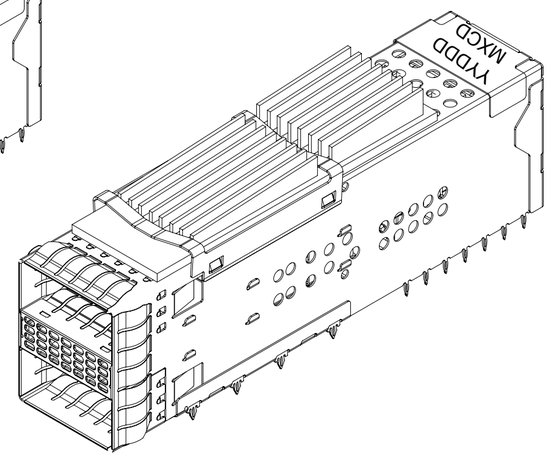




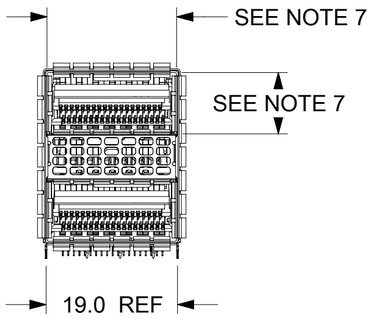
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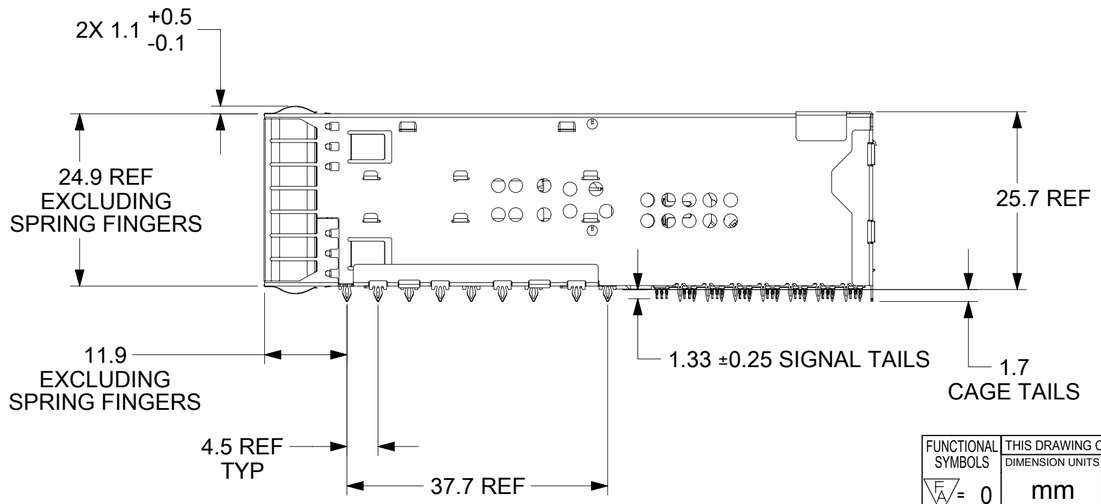


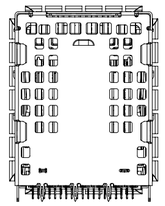
2040588111



2040588112







NOTES
1. MATERIALS
   CAGE: STAINLESS STEEL, 0.25 THICK
   SPRING FINGERS: COPPER ALLOY, 0.08 THICK
   CONNECTOR HOUSING: HIGH PERFORMANCE THERMOPLASTIC, 94V-0
   TERMINALS: HIGH PERFORMANCE COPPER ALLOY, 0.18 THICK
2. FINISH
   SPRING FINGERS: 0.5µm MIN NICKEL
   TERMINALS: CONTACT AREA: 0.76µm MIN GOLD OVER 3.8µm MIN NICKEL
   COMPLIANT AREA: 0.76-3.0µm MATTE TIN OVER 1.3µm MIN NICKEL
3. REFER TO 2040509101 FOR PACKAGING INFORMATION.
4. CONNECTOR INTENDED TO MATE WITH CABLE PLUG SERIES 74757,74758 AND 201591.
5. ALL VISIBLE CAGE EXTERIOR SURFACES TO BE CLASS B, EXCEPT FOR THE UNDERSIDE OF THE CAGE AND SHOULD CONFORM TO THE MOLEX COSMETIC STANDARD ES-171233-0001.
6. DATE CODE LOCATION SHOWN. DATE CODE FORMAT:YYDDD
   YY = YEAR, DDD = DAY OF THE YEAR
   MXCD = MANUFACTURING LOCATION
7. CAGE AND CONNECTOR ARE DESIGNED TO WORK WITH MODULES COMPLIANT TO THE QSFP DOUBLE DENSITY MSA HARDWARE SPECIFICATION.

PART NUMBER	DESCRIPTION	SHEET
2040588111	FLAT TOP EXTERNAL HEAT SINK	2
2040588112	ANGLED TOP EXTERNAL HEAT SINK	2
2040588113	NO HEAT EXTERNAL HEAT SINK	1

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/31 01:42:03

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
FB = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 706838
DRWN: SSU09 2022/05/16
CHK'D: JKACHLIC 2022/05/31
APPR: JKACHLIC 2022/05/31

INITIAL REVISION:
DRWN: WZHAO21 2020/09/01
APPR: JKACHLIC 2021/01/12

molex

DDQ 2X1 FG,GENERAL MARKET,SALES DRAWING

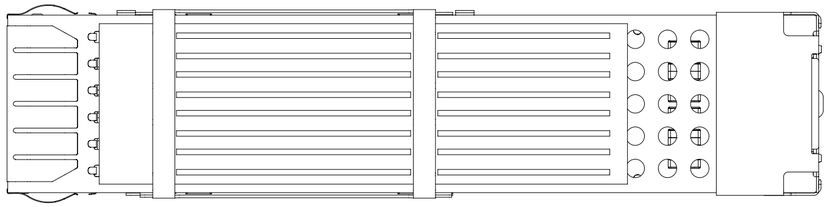
PRODUCT CUSTOMER DRAWING

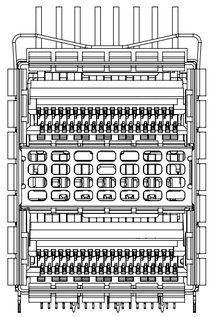
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2040588113	PSD	002	A2

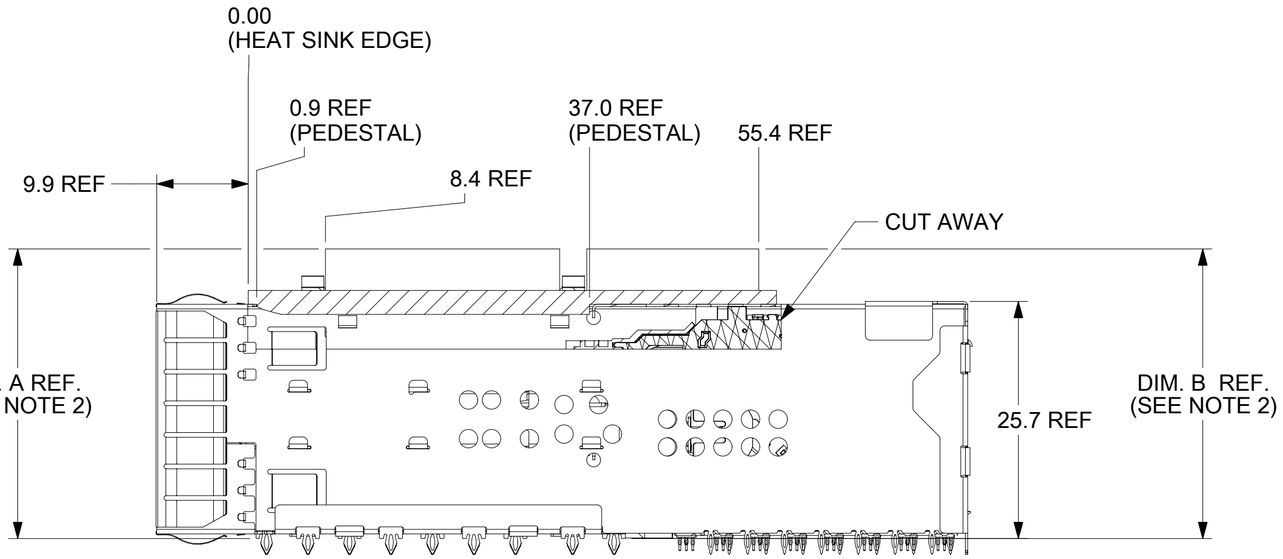
THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 204058 | MATERIAL NUMBER: SEE TABLE | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 1 OF 9

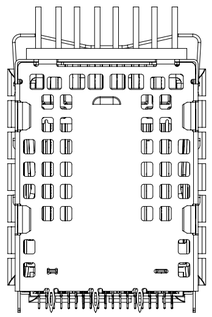
FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14

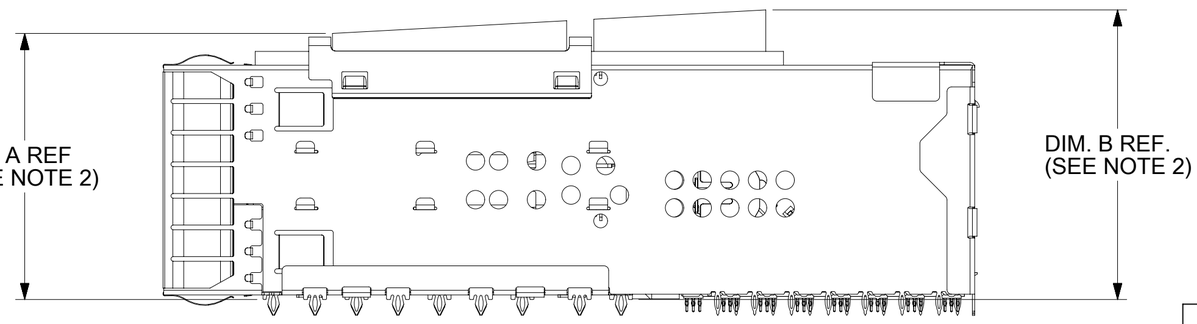
2040588111 SHOWN











PART NUMBER	DIM.A W/O MODULE	DIM.A WITH MODULE	DIM.B W/O MODULE	DIM.B WITH MODULE
2040588111	31.4 REF	32.65MAX.	31.4 REF	32.65MAX.
2040588112	28.85 REF	30.1MAX.	31.4 REF	32.65MAX.

2040588112 SHOWN

NOTE:
1. REFER TO SHEET 1 FOR OTHER DIMENSIONS.
2. THE HEIGHT OF HEAT SINK WITH MODULE INSERTED WILL INCREASE, DETAIL REFER THE TABLE.
3. DIMENSIONS OF 2040588112 IS THE SAME AS 2040588111, EXCEPT DIM.A AND DIM.B.

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: mm | SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 706838
DRWN: SSU09 2022/05/16
CHK'D: JKACHLIC 2022/05/31
APPR: JKACHLIC 2022/05/31

INITIAL REVISION:
DRWN: WZHAO21 2020/09/01
APPR: JKACHLIC 2021/01/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 204058

molex

DDQ 2X1 FG,GENERAL MARKET,SALES DRAWING

PRODUCT CUSTOMER DRAWING

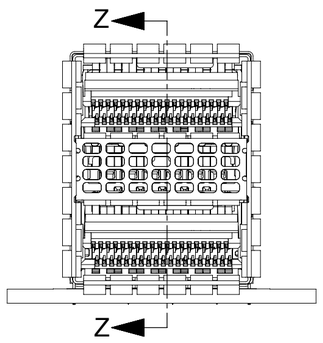
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2040588113	PSD	002	A2

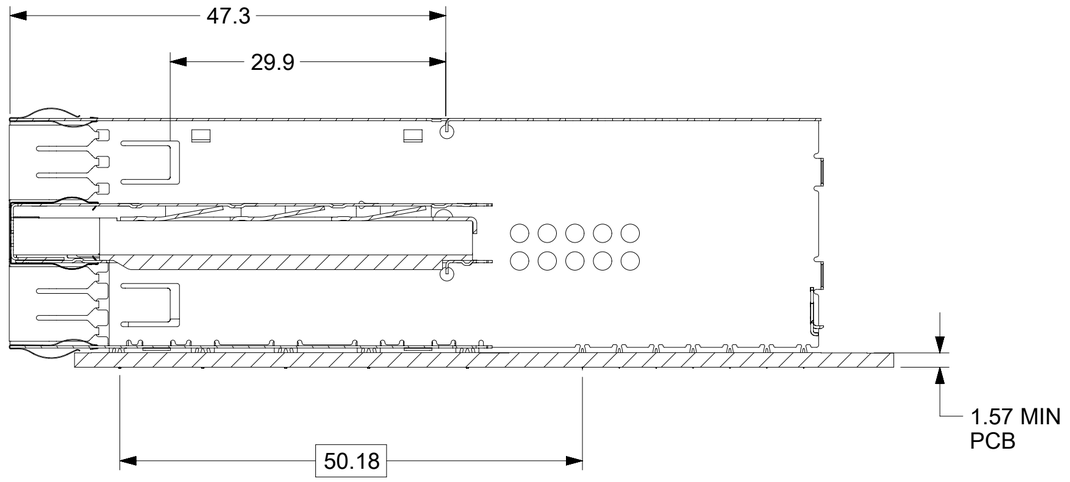
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 9

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/31 01:42:03

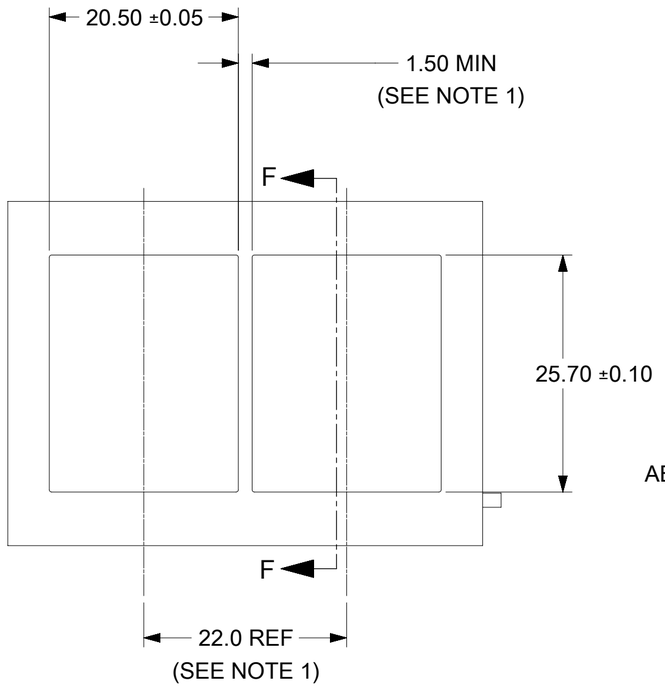
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REVISION: J
DATE: 2020/01/14

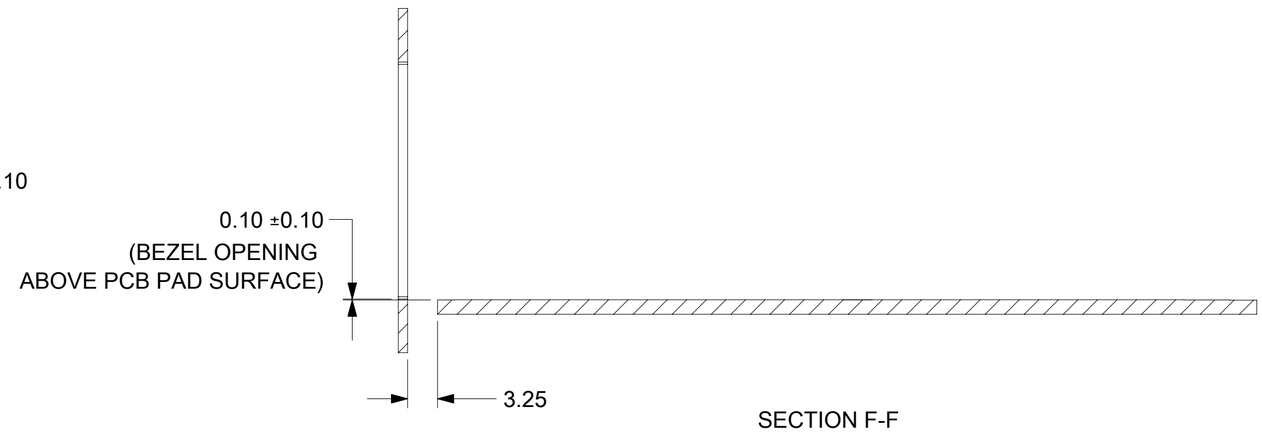
2040588113 SHOWN





SECTION Z-Z
(CONNECTOR IS NOT SHOWN)





SECTION F-F

NOTE:
1. DIMENSIONS VARY BY PCB LAYOUT AND EXTRACTION TOOLING DESIGN.

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/31 01:42:03

FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14

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	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 706838
DRWN: SSU09 2022/05/16
CHK'D: JKACHLIC 2022/05/31
APPR: JKACHLIC 2022/05/31

INITIAL REVISION:
DRWN: WZHAO21 2020/09/01
APPR: JKACHLIC 2021/01/12

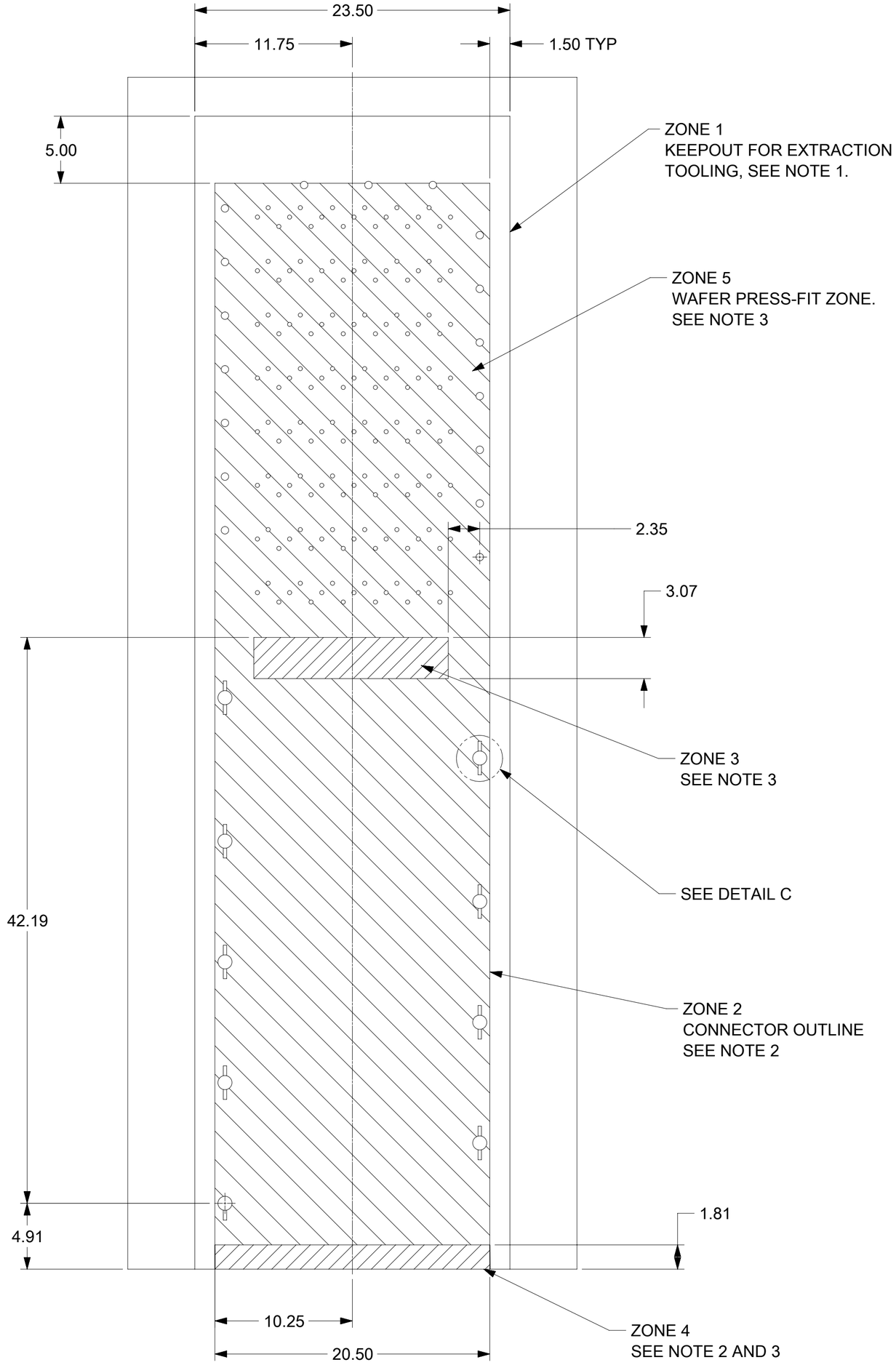
molex

DDQ 2X1 FG,GENERAL MARKET,SALES DRAWING

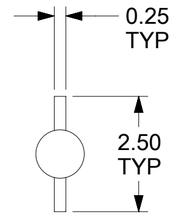
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2040588113	PSD	002	A2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	204058	SEE TABLE	GENERAL MARKET	3 OF 9



NOTES
1. THIS AREA TO BE CONSIDERED A KEEP OUT AREA FOR COMPONENTS.
2. THE ENTIRE AREA UNDER THE CONNECTOR
   IS TO BE CONSIDERED A KEEP-OUT AREA FOR COMPONENTS.
3. HATCHED AREAS REPRESENT ZONES ON THE PCB THAT COME IN CONTACT WITH OR BE IN CLOSE PROXIMITY TO THE PLASTIC HOUSING OR THE CONNECTOR CAGE. INDICATED AREAS TO BE CONSIDERED TRACE FREE.



DETAIL C
SCALE 10:1

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/31 01:42:03

FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14

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	SCALE
mm	4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 706838
DRWN: SSU09 2022/05/16
CHK'D: JKACHLIC 2022/05/31
APPR: JKACHLIC 2022/05/31

INITIAL REVISION:
DRWN: WZHAO21 2020/09/01
APPR: JKACHLIC 2021/01/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 204058

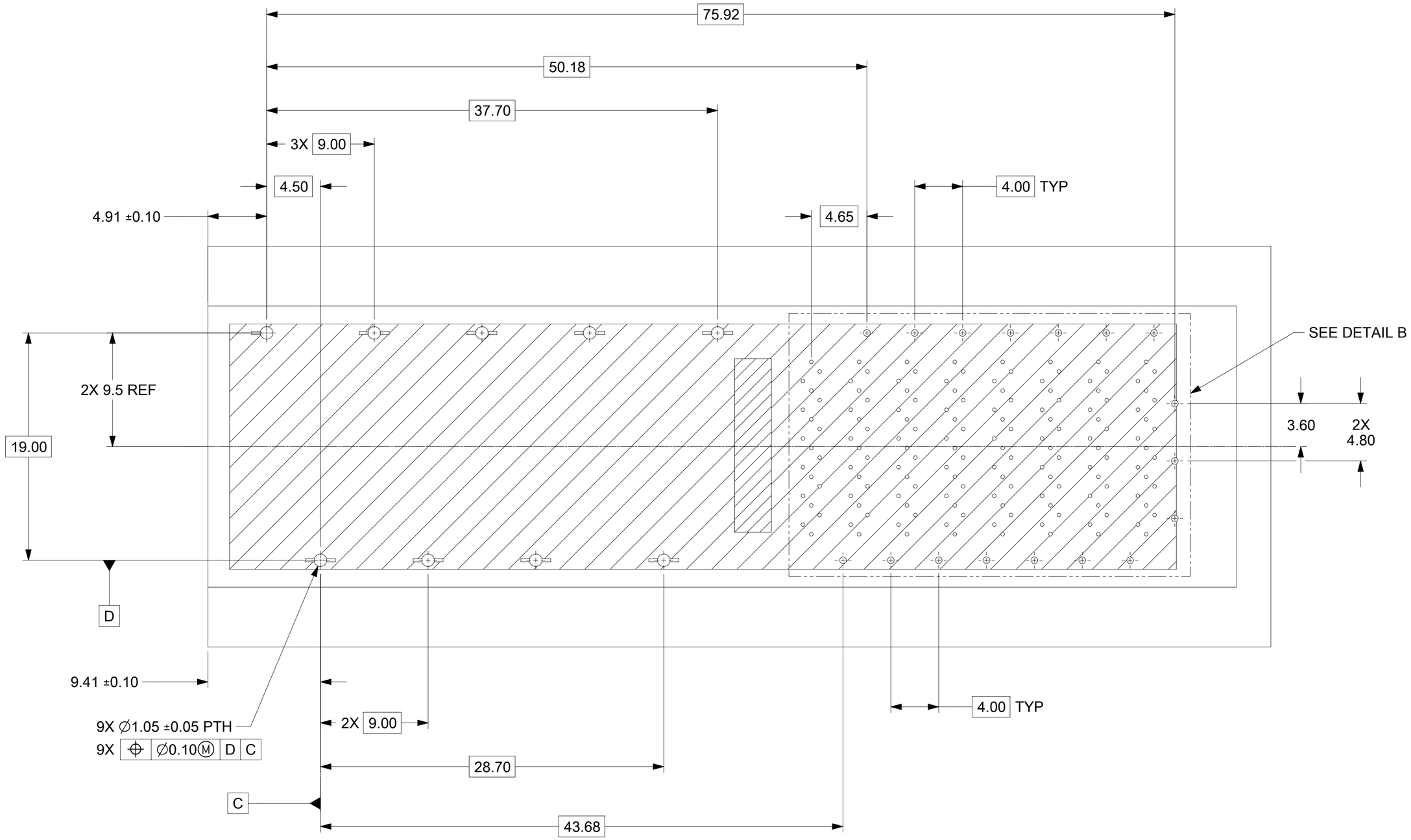
molex

DDQ 2X1 FG,GENERAL MARKET,SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2040588113	PSD	002	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	4 OF 9



NOTES:
1. PIN NUMBERS ARE PER THE STANDARD. BOTH PORTS ARE IN THE SAME (UP-UP) MODULE ORIENTATION.
2. THE 17 HOLES AROUND THE PIN FIELD ARE FOR OPTIONAL GROUND PINS.
3. RECOMMENDED ANNULAR RING SIZE AROUND THE ∅0.31 FINISHED PTH IS ∅0.66.
4. RECOMMENDED DRILL SIZE FOR THE 0.31∅ PTH IS ∅0.4 DRILL.

FUNCTIONAL SYMBOLS	FA = 0, FC = 0, FP = 0
DIVISIONAL SYMBOLS	
DIMENSION UNITS	mm
SCALE	4:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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CURRENT REV DESC:

EC NO: 706838
DRWN: SSU09 2022/05/16
CHK'D: JKACHLIC 2022/05/31
APPR: JKACHLIC 2022/05/31

INITIAL REVISION:
DRWN: WZHAO21 2020/09/01
APPR: JKACHLIC 2021/01/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 204058

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DDQ 2X1 FG,GENERAL MARKET,SALES DRAWING

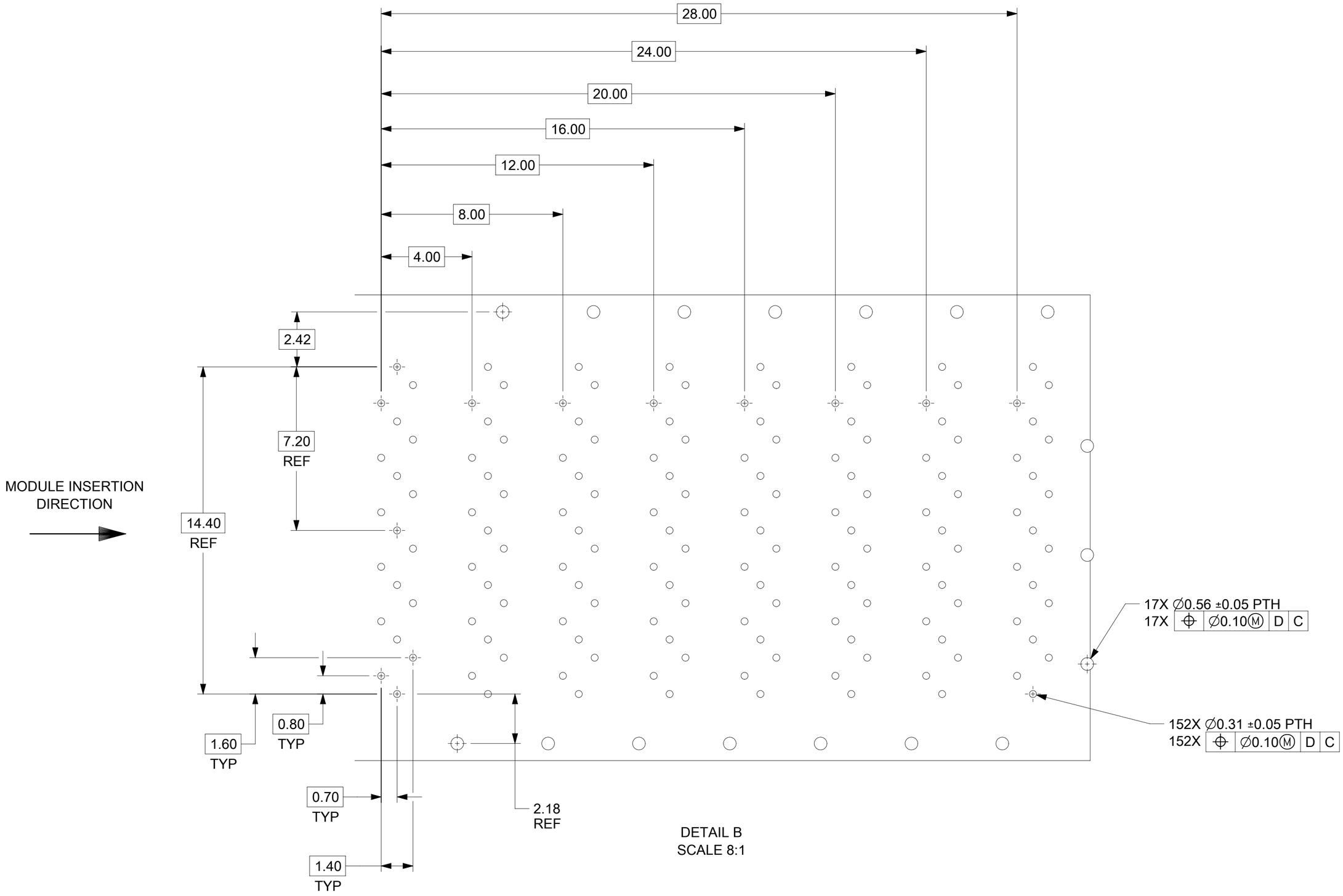
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2040588113	PSD	002	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	5 OF 9

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/31 01:42:03

FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14



DETAIL B
SCALE 8:1

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/31 01:42:03

FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14

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	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 706838
DRWN: SSU09 2022/05/16
CHK'D: JKACHLIC 2022/05/31
APPR: JKACHLIC 2022/05/31

INITIAL REVISION:
DRWN: WZHAO21 2020/09/01
APPR: JKACHLIC 2021/01/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 204058

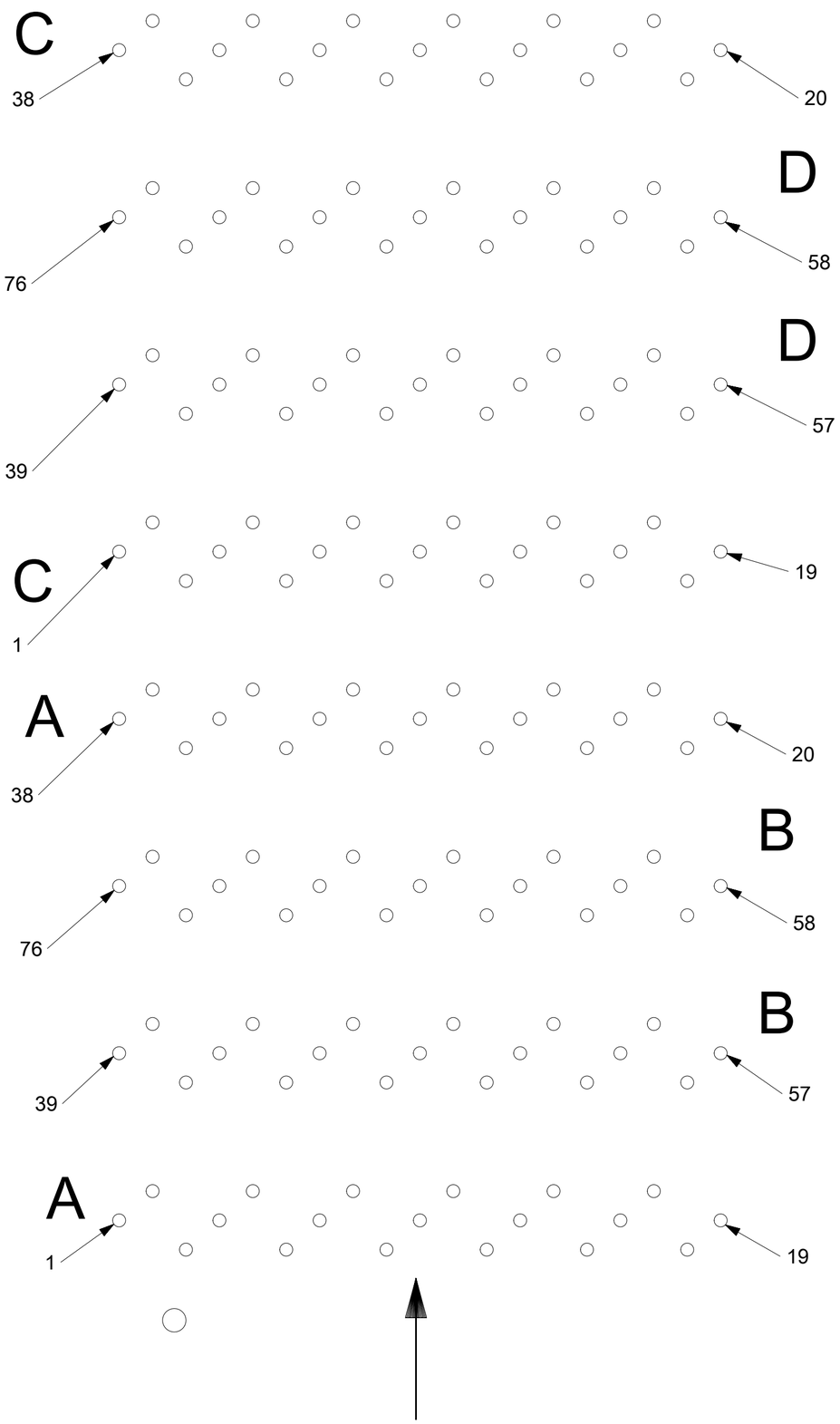
molex

DDQ 2X1 FG,GENERAL MARKET,SALES DRAWING

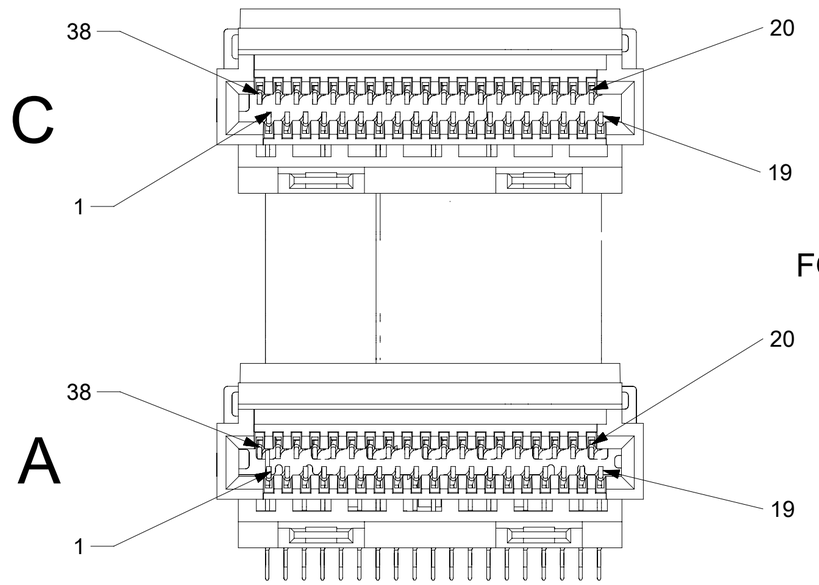
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2040588113	PSD	002	A2

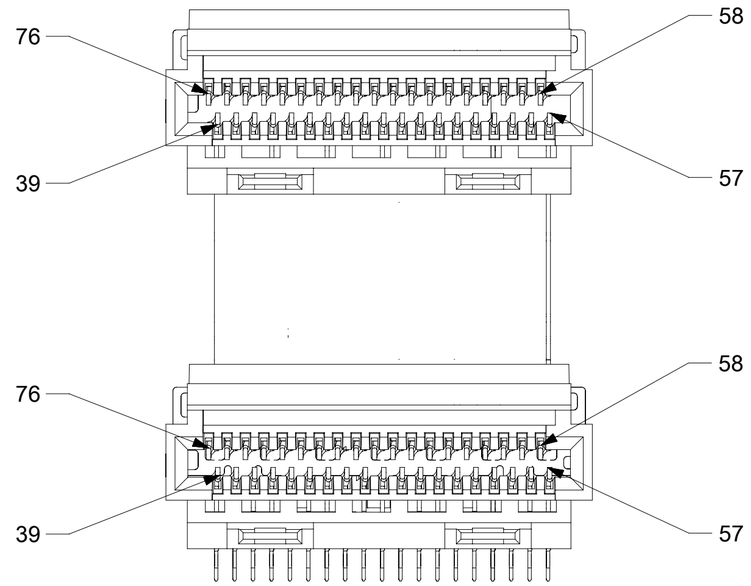
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	6 OF 9



MODULE INSERTION DIRECTION



FORWARD CONTACTS



REAR CONTACTS

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	mm
SCALE	4:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 706838
DRWN: SSU09 2022/05/16
CHK'D: JKACHLIC 2022/05/31
APPR: JKACHLIC 2022/05/31

INITIAL REVISION:
DRWN: WZHAO21 2020/09/01
APPR: JKACHLIC 2021/01/12

molex

DDQ 2X1 FG,GENERAL MARKET,SALES DRAWING

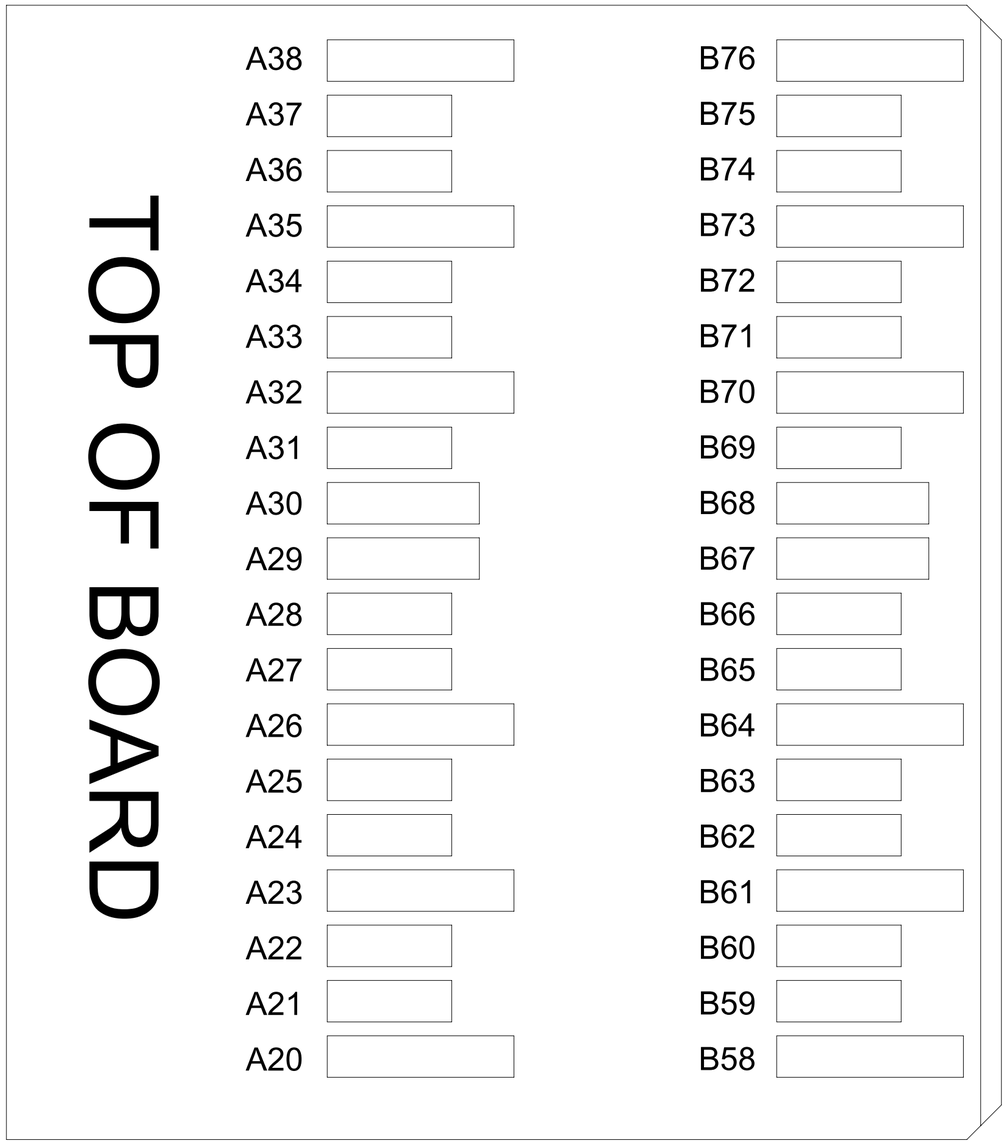
PRODUCT CUSTOMER DRAWING

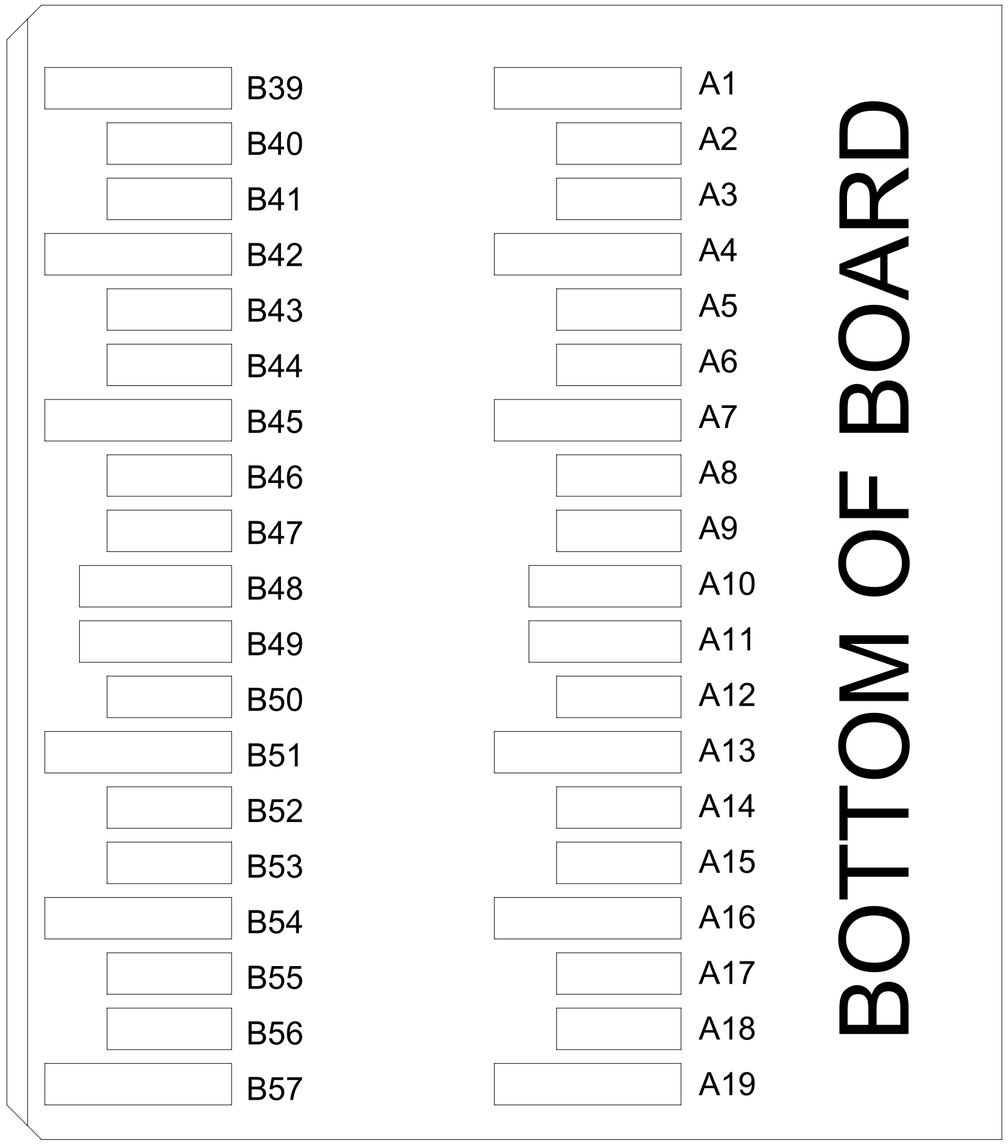
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2040588113	PSD	002	A2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	204058	SEE TABLE	GENERAL MARKET	7 OF 9

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/31 01:42:03

FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14





DOCUMENT STATUS	P1	RELEASE DATE	2022/05/31 01:42:03

FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14

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	SCALE
mm	4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 706838
DRWN: SSU09 2022/05/16
CHK'D: JKACHLIC 2022/05/31
APPR: JKACHLIC 2022/05/31

INITIAL REVISION:
DRWN: WZHAO21 2020/09/01
APPR: JKACHLIC 2021/01/12

molex

DDQ 2X1 FG,GENERAL MARKET,SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2040588113	PSD	002	A2

THIRD ANGLE PROJECTION	DRAWING	SERIES
	C-SIZE	204058

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	8 OF 9

REV	DATE	DESCRIPTION
1	2020/09/01	INITIAL RELEASE .
A1	2021/06/25	UPDATED VIEWS IN SHEET 4 AND UPDATED NOTES @ SHEET 4/ H5
A2	2022/05/16	UPDATE A TYPING ERROR ON C9 AT SHEET 1:CHANGE SPRING FINGER TOLERANCE FROM 1.1+0.5/+0.1 TO 1.1+0.5/-0.1.

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	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 706838
DRWN: SSU09 2022/05/16
CHK'D: JKACHLIC 2022/05/31
APPR: JKACHLIC 2022/05/31

INITIAL REVISION:
DRWN: WZHAO21 2020/09/01
APPR: JKACHLIC 2021/01/12

molex

DDQ 2X1 FG,GENERAL MARKET,SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2040588113	PSD	002	A2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	204058	SEE TABLE	GENERAL MARKET	9 OF 9

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/31 01:42:03

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