

NOTES:

1. MATERIAL:

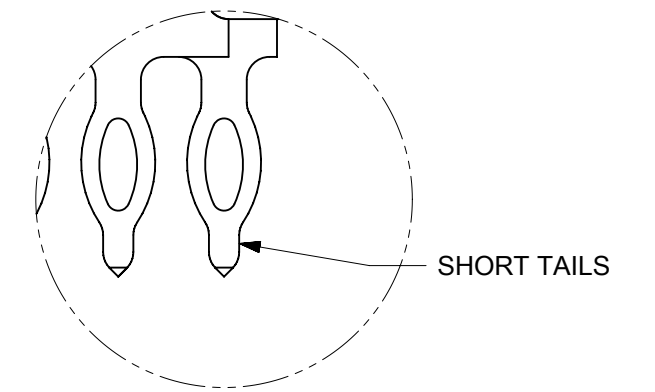
CAGE: NICKEL SILVER
 CONNECTOR HOUSING: GLASS FILLED THERMOPLASTIC, UL: 94V-0, COLOR: BLACK
 TERMINALS: HIGH PERFORMANCE COPPER ALLOY
 FRONT SHIELD WALL: COPPER ALLOY
 INSULATOR SHEET: POLYCARBONATE AND PET WITH PSA, 0.18 THICK, UL-94VTM-0

2. FINISH

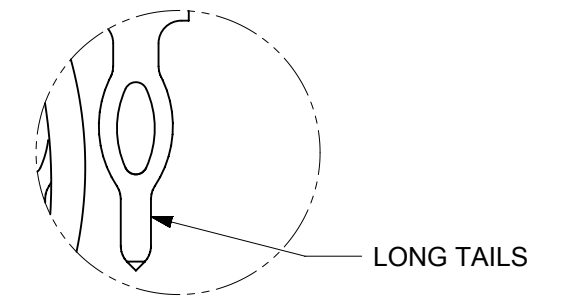
TERMINALS: CONTACT AREA: 0.76 μm MIN. HARD GOLD OVER
 3.8 μm MIN. NICKEL.
 COMPLIANT TAIL: 0.7-1.5 μm MATTE TIN OVER:
 0.7-1.5 μm NICKEL

FRONT SHIELD WALL: 0.7-1.5 μm NICKEL OVERALL

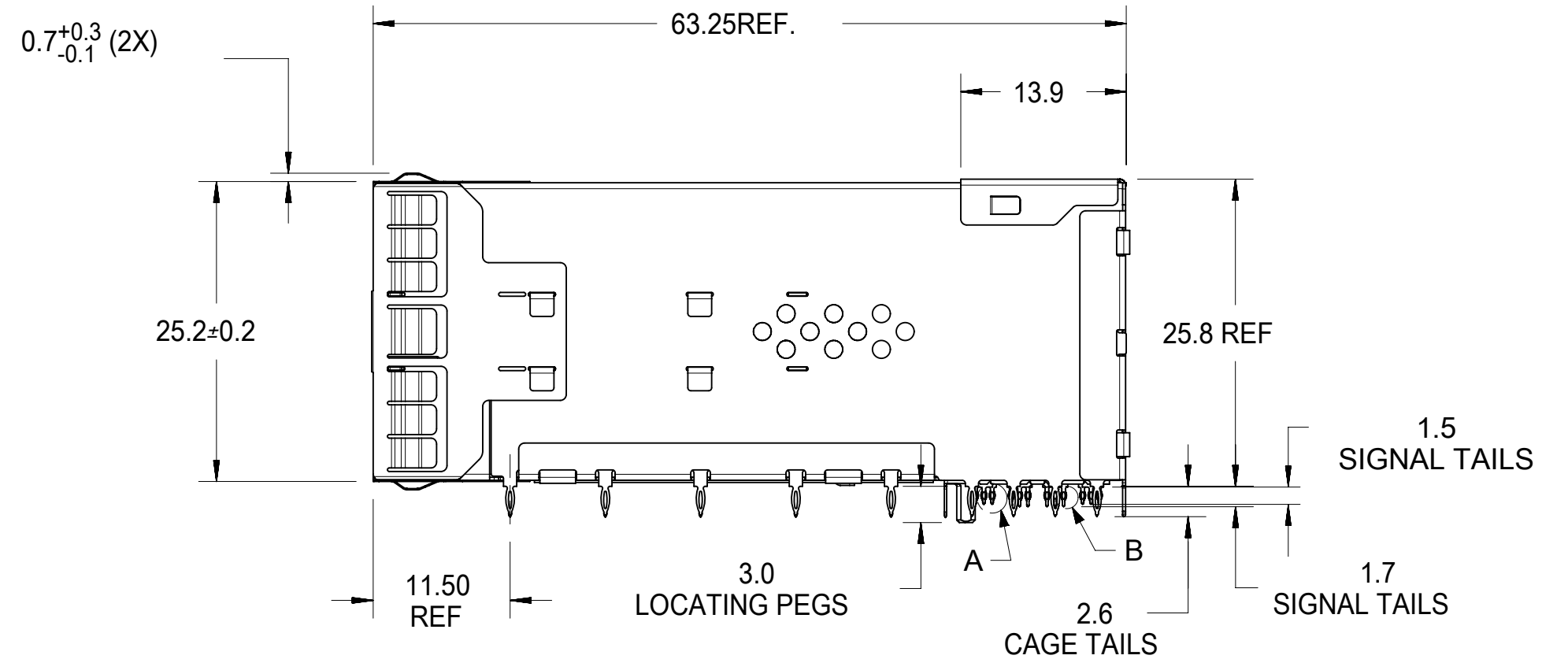
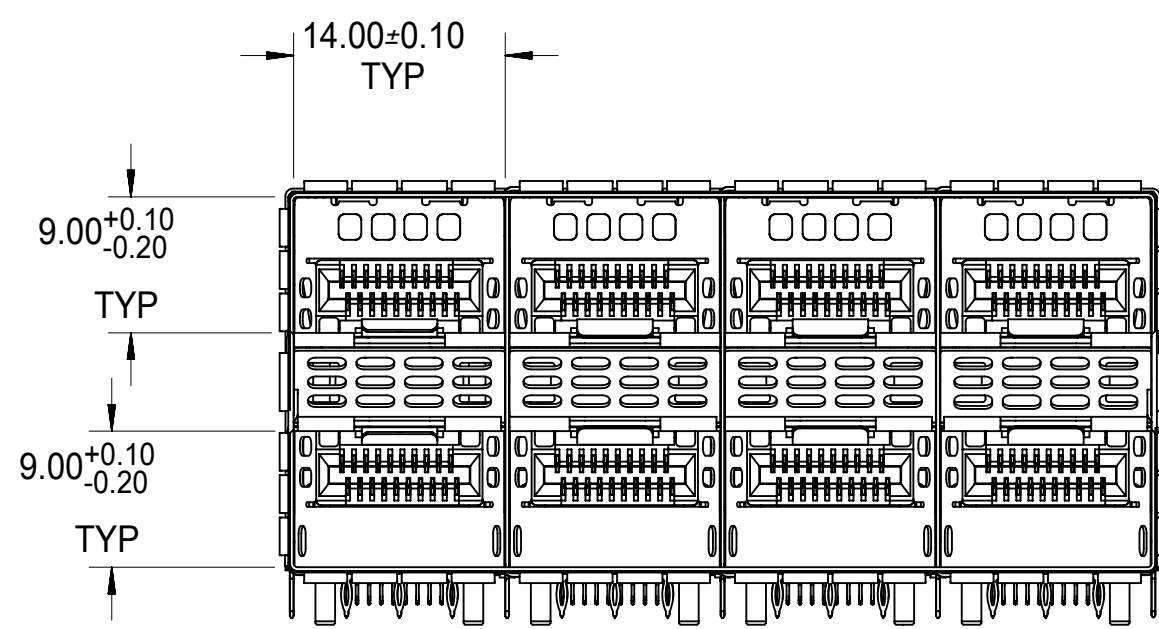
3. 2X4 CONFIGURATION SHOWN FOR REFERENCE, SEE CHART FOR AVAILABLE OPTIONS
 4. REFER TO PS-170071-0001 FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
 5. REFER TO AS-170071-0001 FOR CONNECTOR MOUNTING AND REWORK INFORMATION.
 6. REFER TO AS-170071-0002 FOR PCB ROUTING RECOMMENDATIONS.
 7. ALL SURFACES CLASS C PER MOLEX COSMETIC SPECIFICATION ES-171233-0001.



DETAIL A
SCALE 10:1



DETAIL B
SCALE 10:1



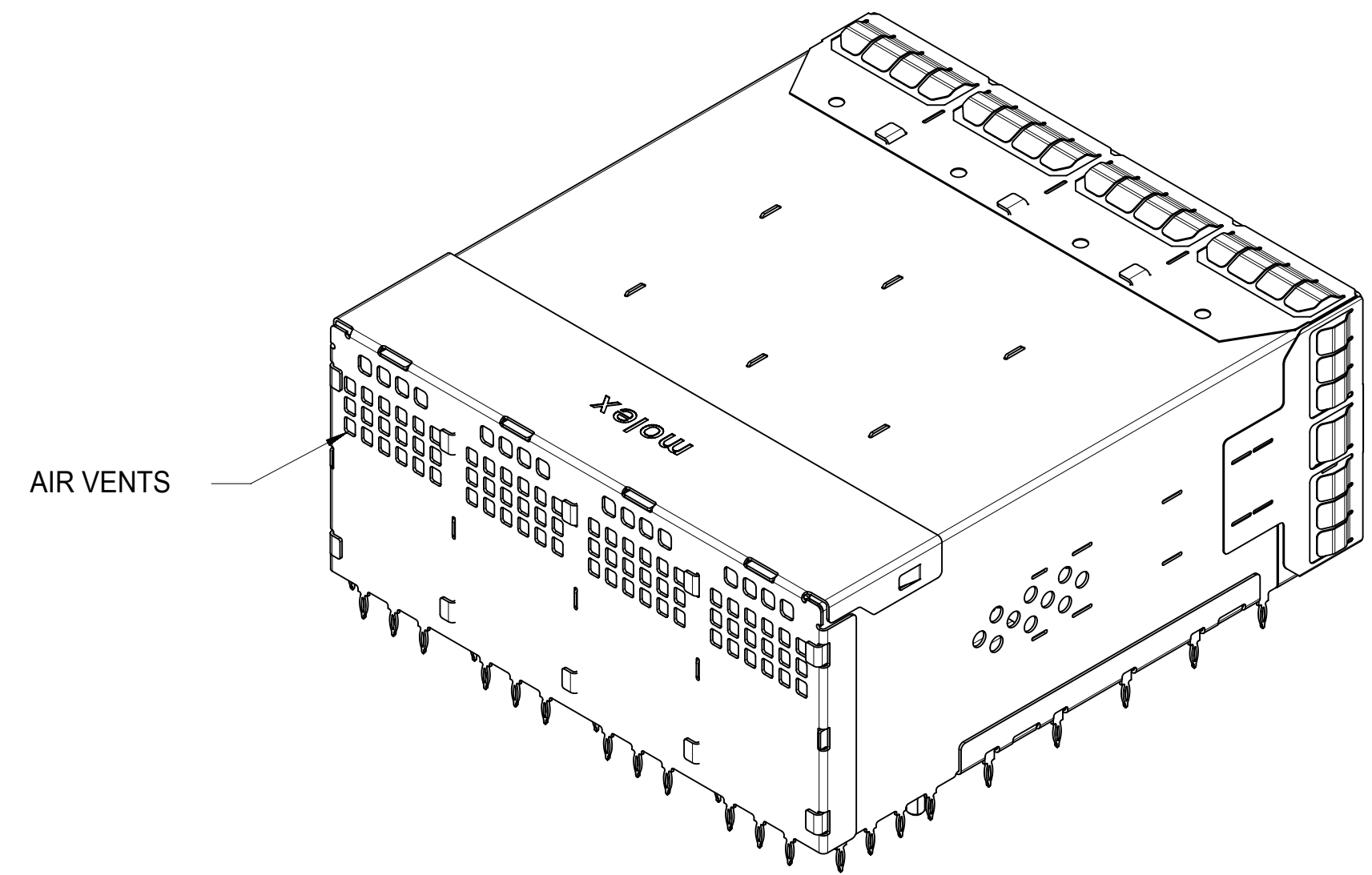
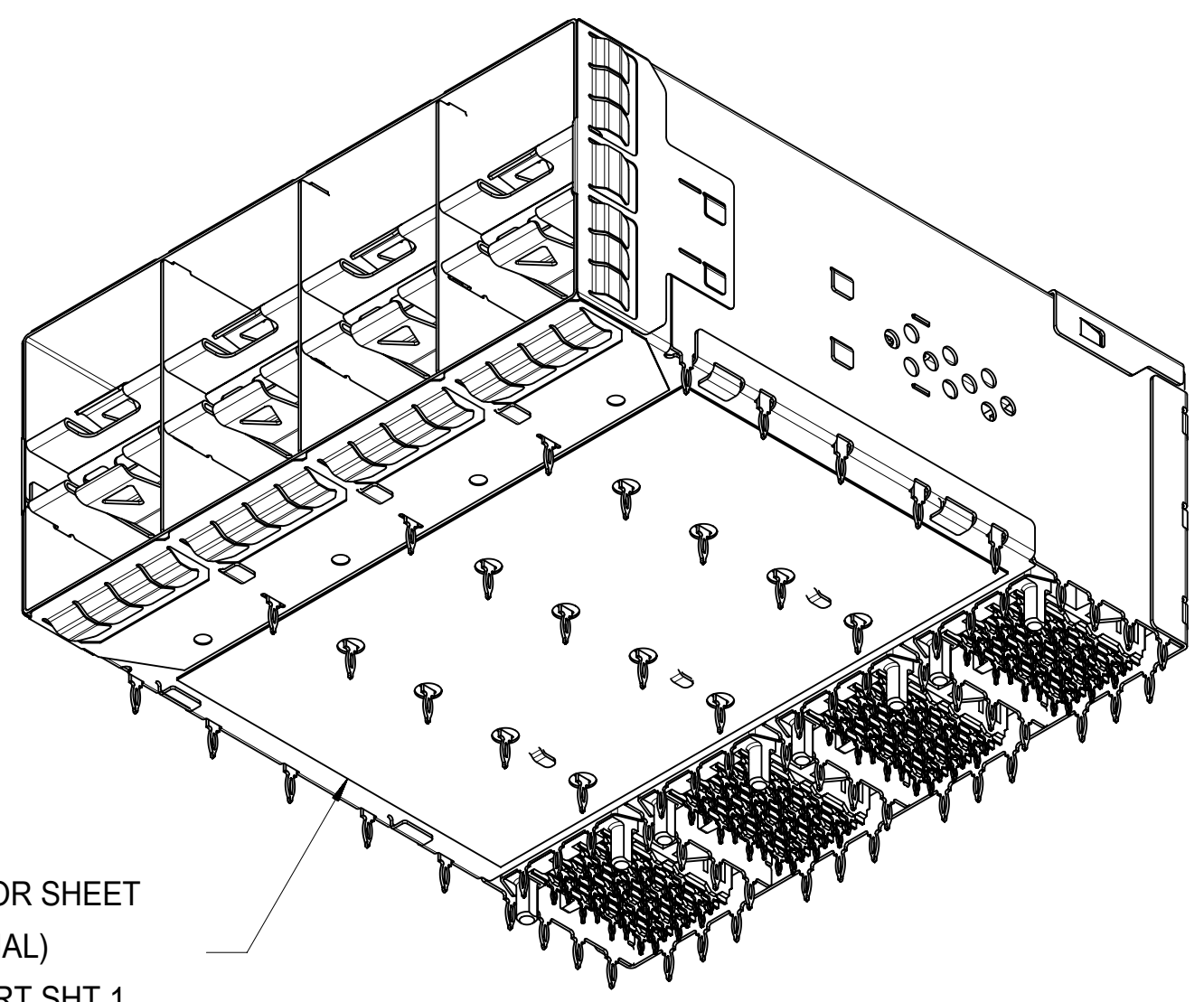
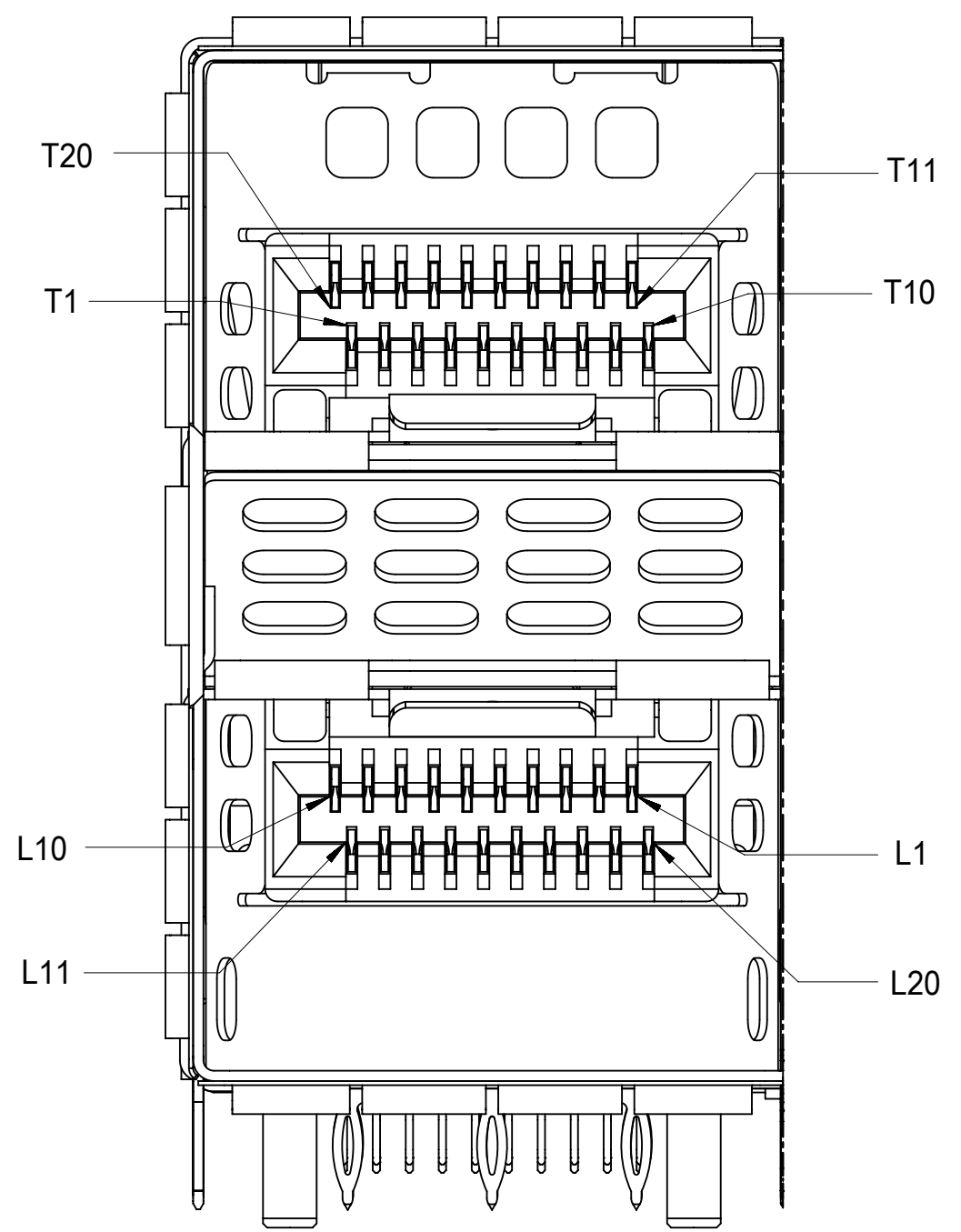
PORT SIZE	PART NUMBER WITH INSULATION SHEET	PART NUMBER WITHOUT INSULATION SHEET	DIM X	DIM Y
2X1	1725011001	1725011002	14.75	15.10
2x4	1725014001	1725014002	57.50	57.85
2x6	1725016001	1725016002	86.00	86.35
2x8	1725018001	1725018002	114.50	114.85
2x10	1725011101	1725011102	143.00	143.35
2x12	1725011201	1725011202	171.50	171.85

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	mm	SCALE 1:1	CURRENT REV DESC: SEE REVISION HISTORY
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 608228 DRWN: CWANG67 2018/11/23 CHK'D: RNELSON 2018/12/04 APPR: RNELSON 2018/12/04
▽ = 0	ANGULAR TOL ± 0.5°		
▽ = 0	4 PLACES ±	INITIAL REVISION: DRWN: JKACHLIC 2014/02/05 APPR: JKACHLIC 2014/02/10	DOCUMENT NUMBER SD-172501-0001
▽ = 0	3 PLACES ±		
▽ = 0	2 PLACES ± 0.13	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DOC PART 001
▽ = 0	1 PLACE ± 0.25		REVISION D1
▽ = 0	0 PLACES ±	THIRD ANGLE PROJECTION	MATERIAL NUMBER SEE CHART
▽ = 0		DRAWING C-SIZE	CUSTOMER GENERAL MARKET
		SERIES 172501	SHEET NUMBER 1 OF 5



ZSFP+ STACKED ASSEMBLY
W/METAL EMI GASKET AND ENHANCED AIRFLOW

PRODUCT CUSTOMER DRAWING



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION HISTORY			
▽ = 0	mm	1:1		EC NO: 608228					
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			4 PLACES ±		DRWN: CWANG67 2018/11/23			
▽ = 0	ANGULAR TOL ± 0.5°			3 PLACES ±		CHK'D: RNELSON 2018/12/04			
▽ = 0				2 PLACES ± 0.13		APPR: RNELSON 2018/12/04			
▽ = 0				1 PLACE ± 0.25		INITIAL REVISION:			
▽ = 0				0 PLACES ±		DRWN: JKACHLIC 2014/02/05		SERIES	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING		MATERIAL NUMBER	
▽ = 0				C-SIZE		172501		CUSTOMER	
DOCUMENT STATUS		P1		RELEASE DATE		2018/12/04 03:55:57		SD-172501-0001	
12		11		10		9		2 OF 5	

molex

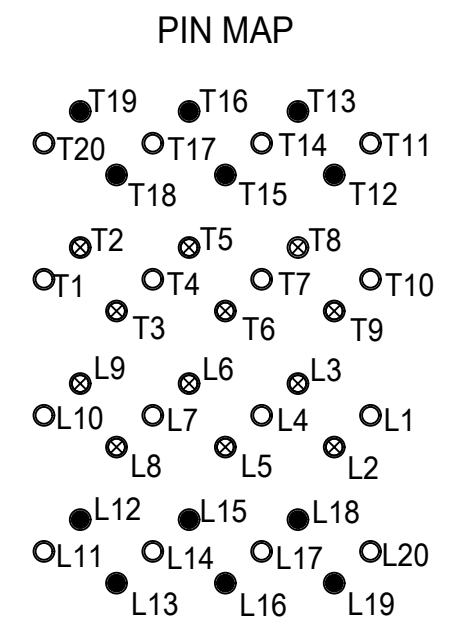
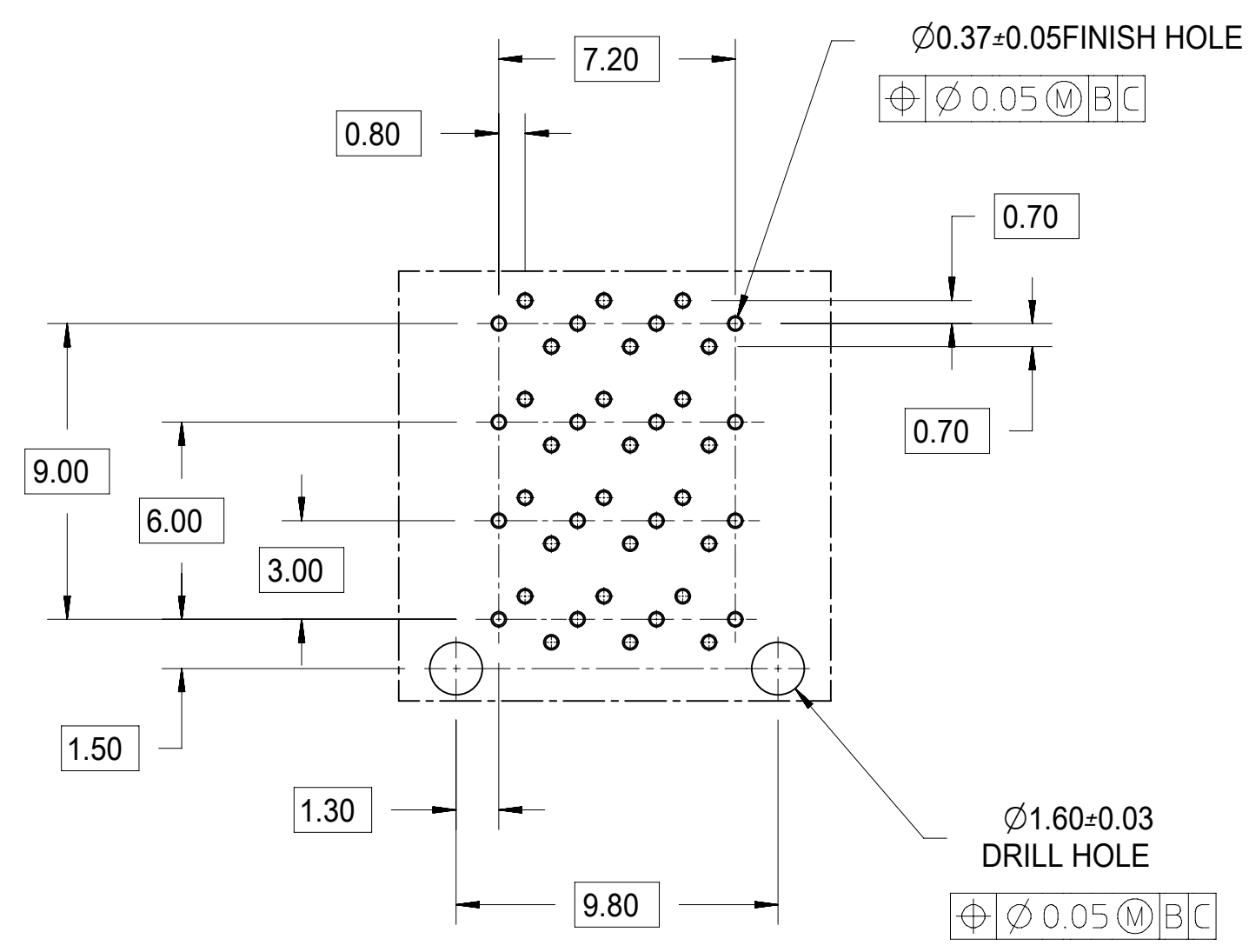
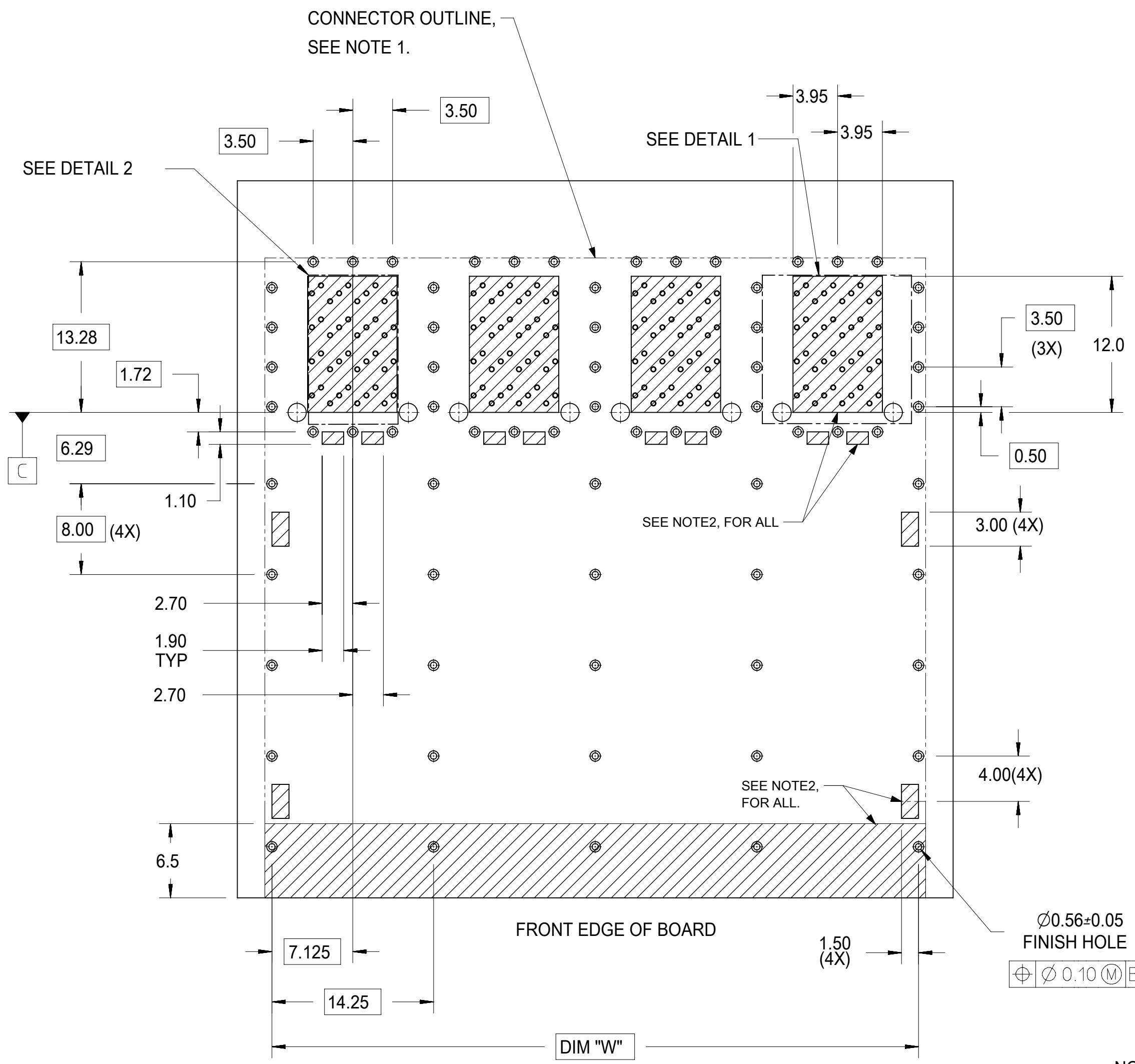
ZSFP+ STACKED ASSEMBLY
W/METAL EMI GASKET AND ENHANCED AIRFLOW

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-172501-0001
DOC TYPE: PSD
DOC PART: 001
REVISION: D1

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 2 OF 5



DETAIL 1
SCALE 5:1

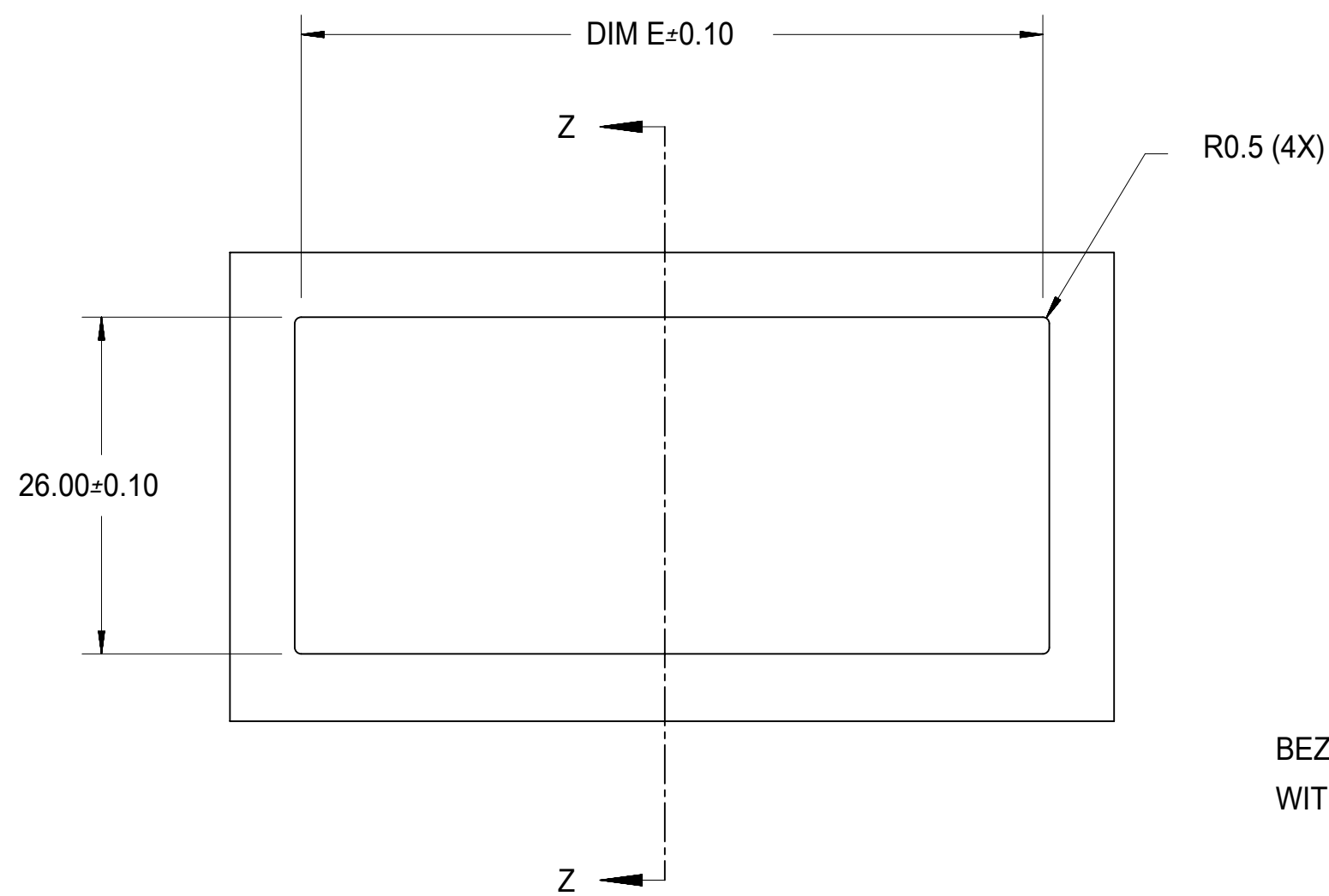
DETAIL 2
SCALE 6:1

NOTES:

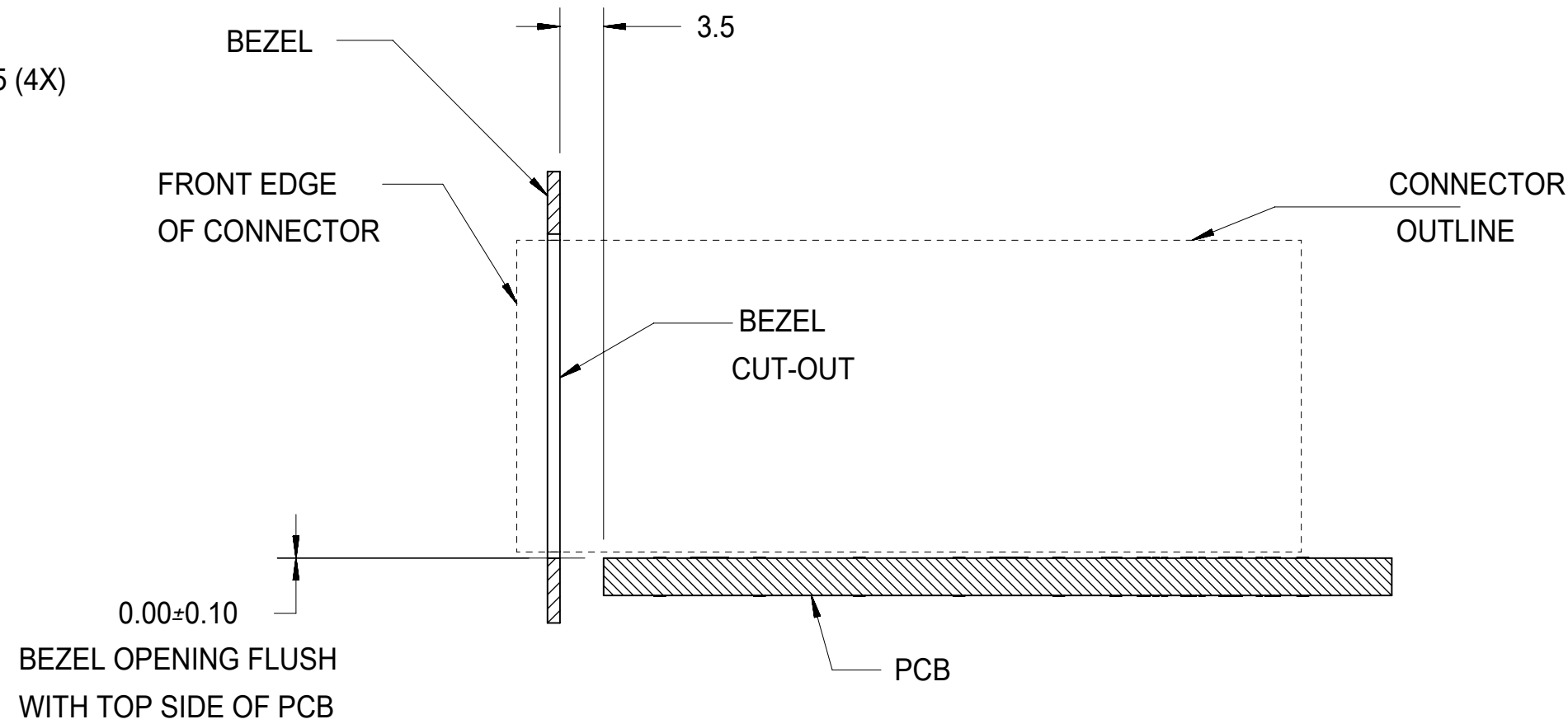
1. THE ENTIRE AREA UNDER THE CONNECTOR IS A KEEP OUT ZONE FOR COMPONENTS AND TRACES, TOP LAYER ONLY, EXCEPT FOR CHASSIS GROUND.
2. CROSS-HATCHED AREAS INDICATE PLACES WHERE THE PLASTIC HOUSING AND METAL CAGE MAY CONTACT PCB SURFACE. THESE AREAS ARE KEEP OUT ZONES. CORSS-HATCHED AREA UNDER THE CONNECTOR ARE TRACE AND VIA KEEP OUT AREAS FOR ALL LAYERS.

PORT SIZE	DIM "W"	HOLE CHART		
		CONNECTOR (Ø0.37)	SHIELD (Ø0.56)	LOCATION (Ø1.60)
2X1	14.25	40	24	2
2X4	57.00	160	69	8
2X6	85.50	240	99	12
2X8	114.00	320	129	16
2X10	142.50	400	159	20
2X12	171.00	480	189	24

SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. DIMENSION UNITS: mm SCALE: 1:1 CURRENT REV DESC: SEE REVISION HISTORY	 ZSFP+ STACKED ASSEMBLY W/METAL EMI GASKET AND ENHANCED AIRFLOW PRODUCT CUSTOMER DRAWING	
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 0.5° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ±		EC NO: 608228 DRWN: CWANG67 2018/11/23 CHK'D: RNELSON 2018/12/04 APPR: RNELSON 2018/12/04 INITIAL REVISION: DRWN: JKACHLIC 2014/02/05 APPR: JKACHLIC 2014/02/10
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: C-SIZE SERIES: 172501	MATERIAL NUMBER: GENERAL MARKET CUSTOMER: GENERAL MARKET SHEET NUMBER: 3 OF 5

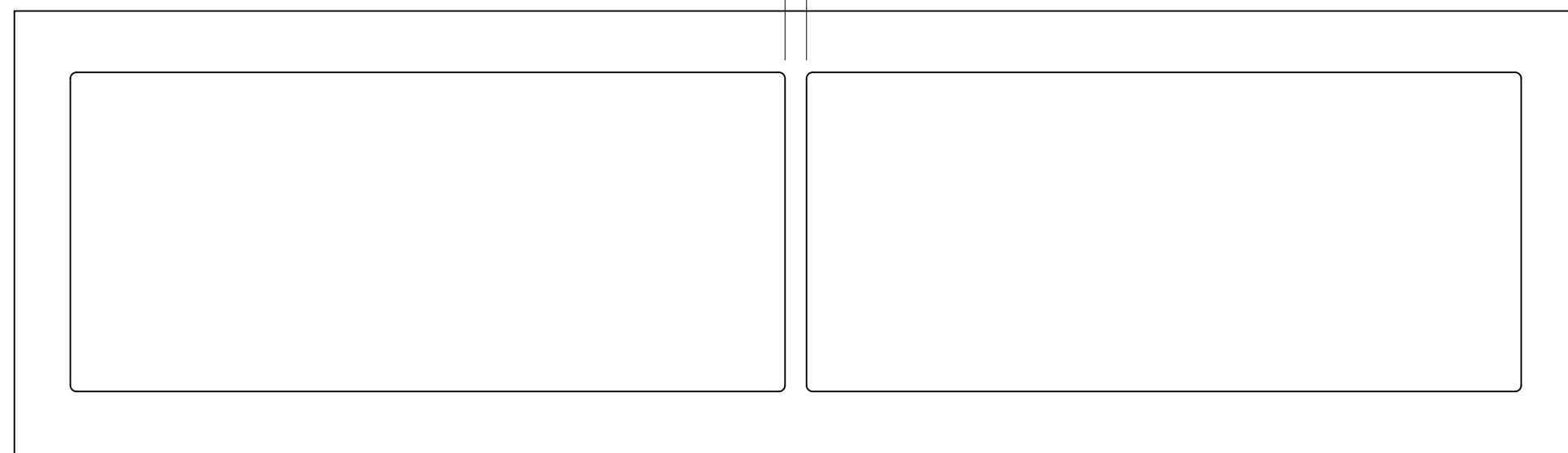


BEZEL CUT-OUT DETAIL
BEZEL THICKNESS 0.8-2.6



SECTION Z-Z

1.75SEE NOTE



BEZEL CUT-OUT FOR
CONNECTOR STACKING










NOTE:

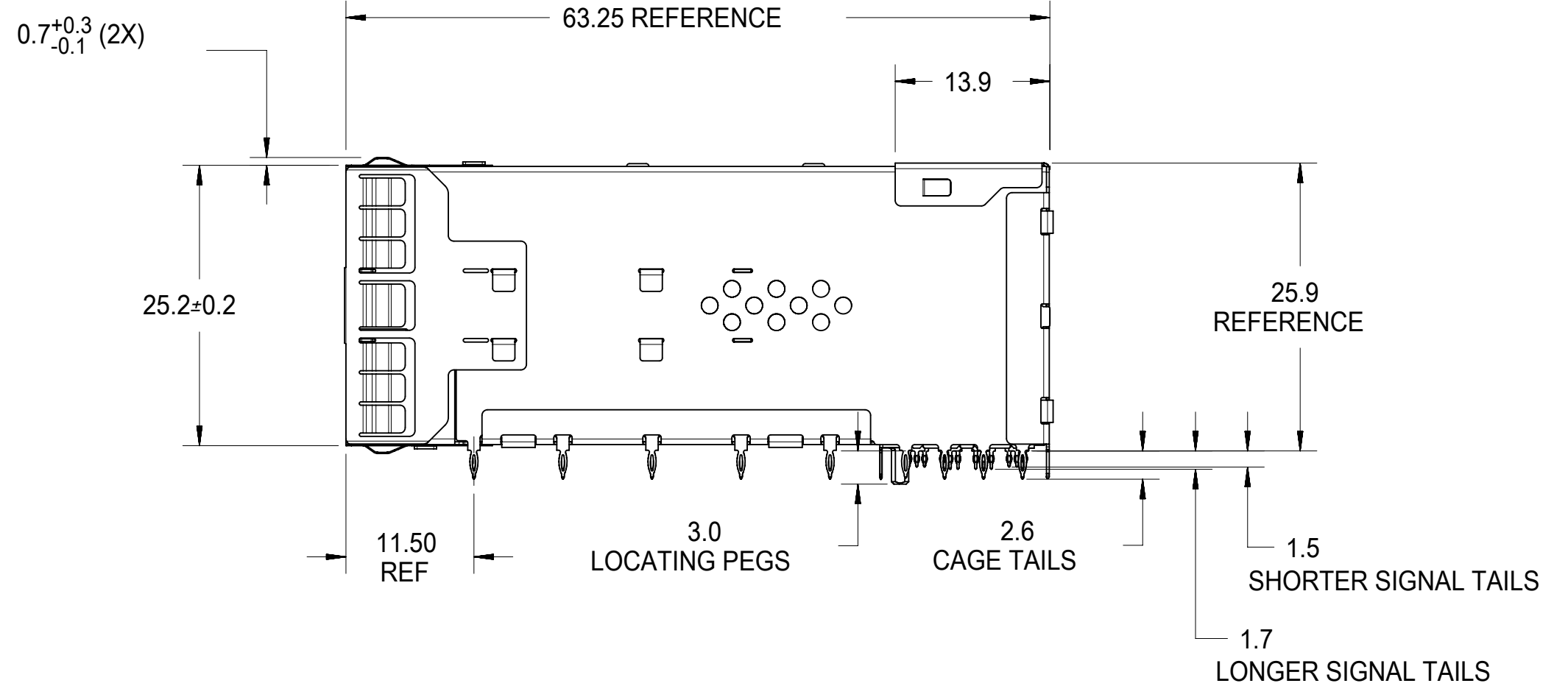
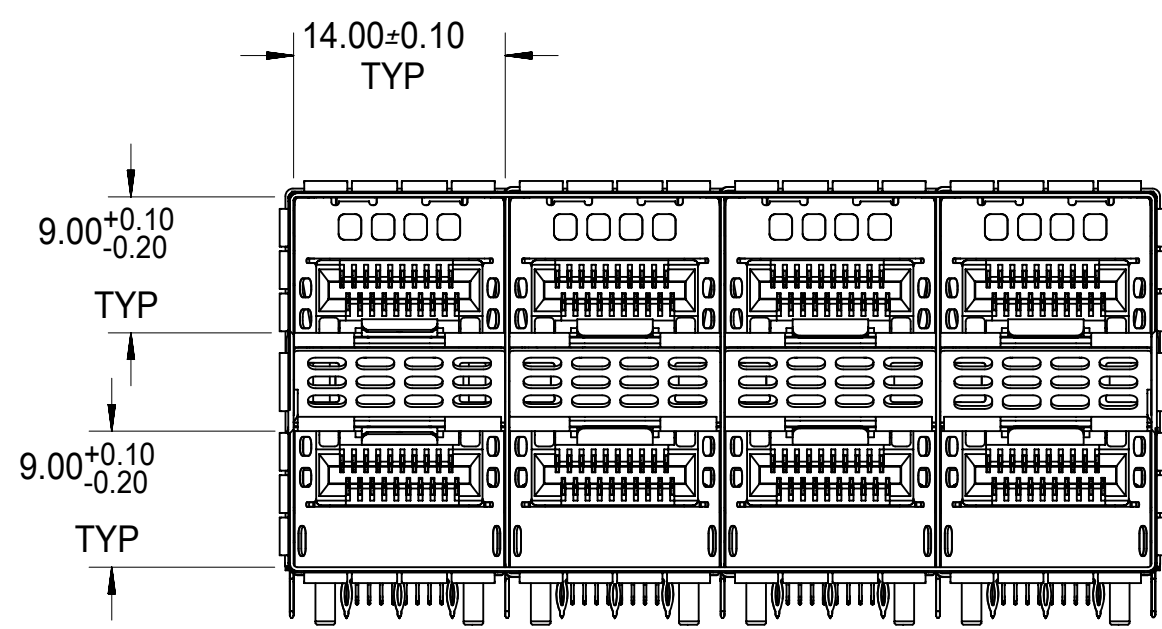
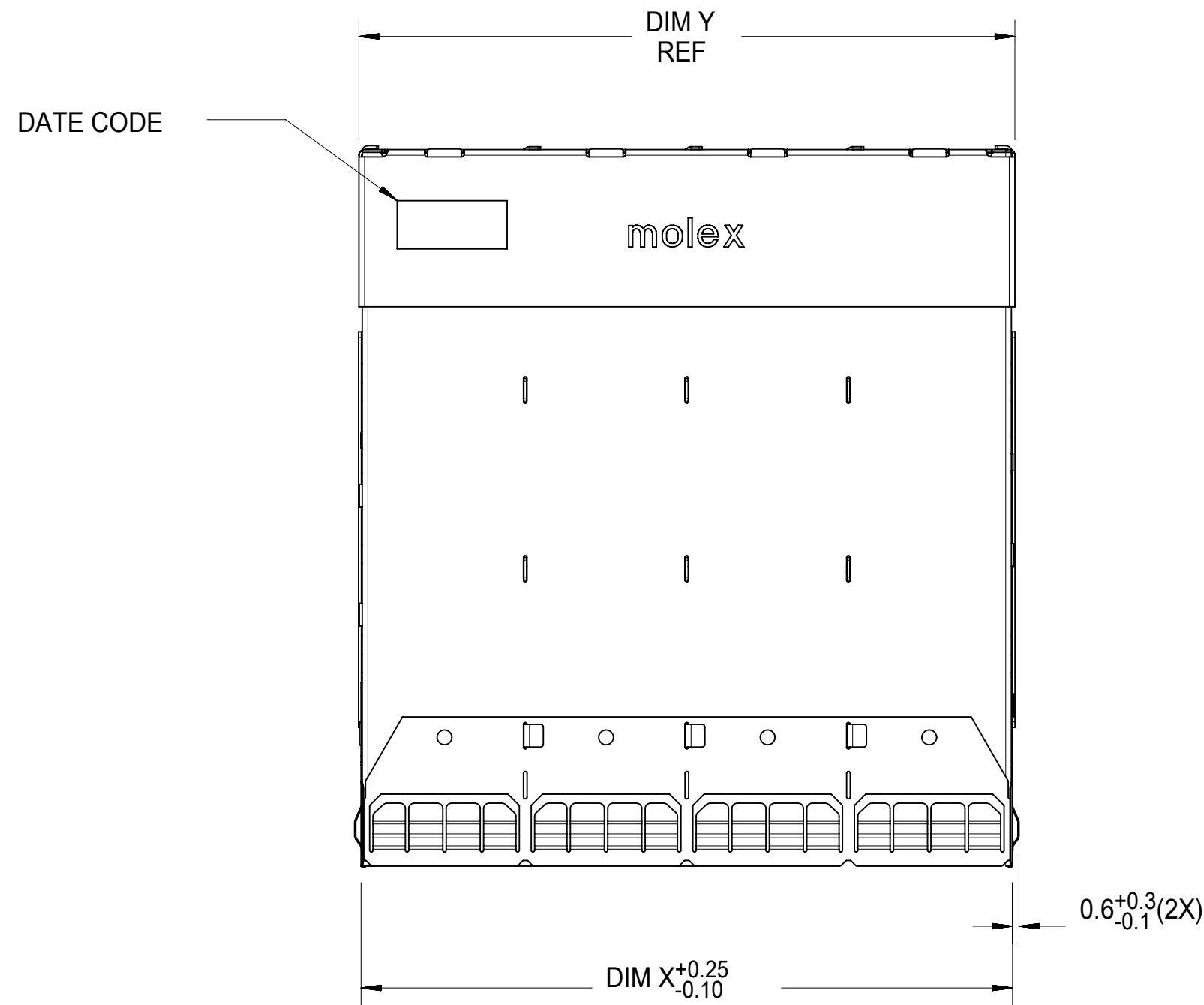
FOR SIDE BY SIDE STACKING OF CONNECTORS. A BASIC DIMENSION OF 3.0mm BETWEEN CONNECTOR MOUNTING PATTERNS IS THE RECOMMENDED MINIMUM SPACING.

PORT SIZE	DIM "E"
2X1	15.50
2X4	58.25
2X6	86.75
2X8	115.25
2X10	143.75
2X12	172.25

SYMBOLS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
	= 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION HISTORY							
	= 0	mm	1:1	molex ZSFP+ STACKED ASSEMBLY W/METAL EMI GASKET AND ENHANCED AIRFLOW PRODUCT CUSTOMER DRAWING							
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)						EC NO: 608228	2018/11/23	DOC TYPE	DOC PART
	= 0	ANGULAR TOL ± 0.5°						DRWN: CWANG67	2018/12/04	PSD	001
	= 0	4 PLACES ±		CHK'D: RNELSON	2018/12/04	D1					
	= 0	3 PLACES ±		APPR: RNELSON	2018/12/04	REVISION					
	= 0	2 PLACES ± 0.13		INITIAL REVISION:							
	= 0	1 PLACE ± 0.25		DRWN: JKACHLIC	2014/02/05	DOCUMENT NUMBER					
	= 0	0 PLACES ±		APPR: JKACHLIC	2014/02/10	SD-172501-0001					
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER				
	= 0				C-SIZE	172501	SEE CHART				
						CUSTOMER	SHEET NUMBER				
						GENERAL MARKET	4 OF 5				

REVISION HISTORY		
DATE	REV.	DESCRIPTION
2018/11/23	D1	1.ADD REVISION HISTORY. 2.UPDATE NOTES IN SHEET3 FOR KEEP-OUT ZONE DESCRIPTION

SYMBOLS  = 0  = 0  = 0  = 0  = 0  = 0  = 0  = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: mm SCALE: 1:1	CURRENT REV DESC: SEE REVISION HISTORY EC NO: 608228 DRWN: CWANG67 2018/11/23 CHK'D: RNELSON 2018/12/04 APPR: RNELSON 2018/12/04	 ZSFP+ STACKED ASSEMBLY W/METAL EMI GASKET AND ENHANCED AIRFLOW		
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 0.5° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ±	INITIAL REVISION: DRWN: JKACHLIC 2014/02/05 APPR: JKACHLIC 2014/02/10			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING: C-SIZE SERIES: 172501	MATERIAL NUMBER: CUSTOMER: GENERAL MARKET SHEET NUMBER: 5 OF 5			



NOTES:

1. MATERIAL:
 - CAGE: NICKEL SILVER
 - CONNECTOR HOUSING: GLASS FILLED THERMOPLASTIC, UL: 94V-0, COLOR: BLACK
 - TERMINALS: HIGH PERFORMANCE COPPER ALLOY
 - FRONT SHIELD WALL: COPPER ALLOY
 - INSULATOR SHEET: POLYCARBONATE AND PET WITH PSA, 0.18 THICK, UL-94VTM-0
2. FINISH
 - TERMINALS: CONTACT AREA: 0.76 µm MIN. HARD GOLD OVER
3.8 µm MIN. NICKEL.
 - COMPLIANT TAIL: 0.7-1.5 µm MATTE TIN OVER:
0.7-1.5 µm NICKEL
 - FRONT SHIELD WALL: 0.7-1.5 µm NICKEL OVERALL
3. 2X4 CONFIGURATION SHOWN FOR REFERENCE, SEE CHART FOR AVAILABLE OPTIONS
4. REFER TO PS-170071-0001 FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
5. REFER TO AS-170071-0001 FOR CONNECTOR MOUNTING AND REWORK INFORMATION.
6. REFER TO AS-170071-0002 FOR PCB ROUTING RECOMMENDATIONS.
7. ALL SURFACES CLASS C PER MOLEX COSMETIC SPECIFICATION ES-171233-0001.

PORT SIZE	PART NUMBER	DIM X	DIM Y
2X4	1725014002	57.50	57.85
2X6	1725016002	86.00	86.35
2X8	1725018002	114.50	114.85
2X12	1725011202	171.50	171.85

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
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▽ = 0		4 PLACES ±				APPR: HYOU02 2018/06/05			
▽ = 0		3 PLACES ±				INITIAL REVISION:			
▽ = 0		2 PLACES ± 0.13				DRWN: BBARKER 2016/01/12			
▽ = 0		1 PLACE ± 0.25				APPR: SMILLER 2017/02/08			
▽ = 0		0 PLACES ±				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
▽ = 0		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
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▽ = 0		GENERAL MARKET		1 OF 4		SHEET NUMBER		1 OF 4	

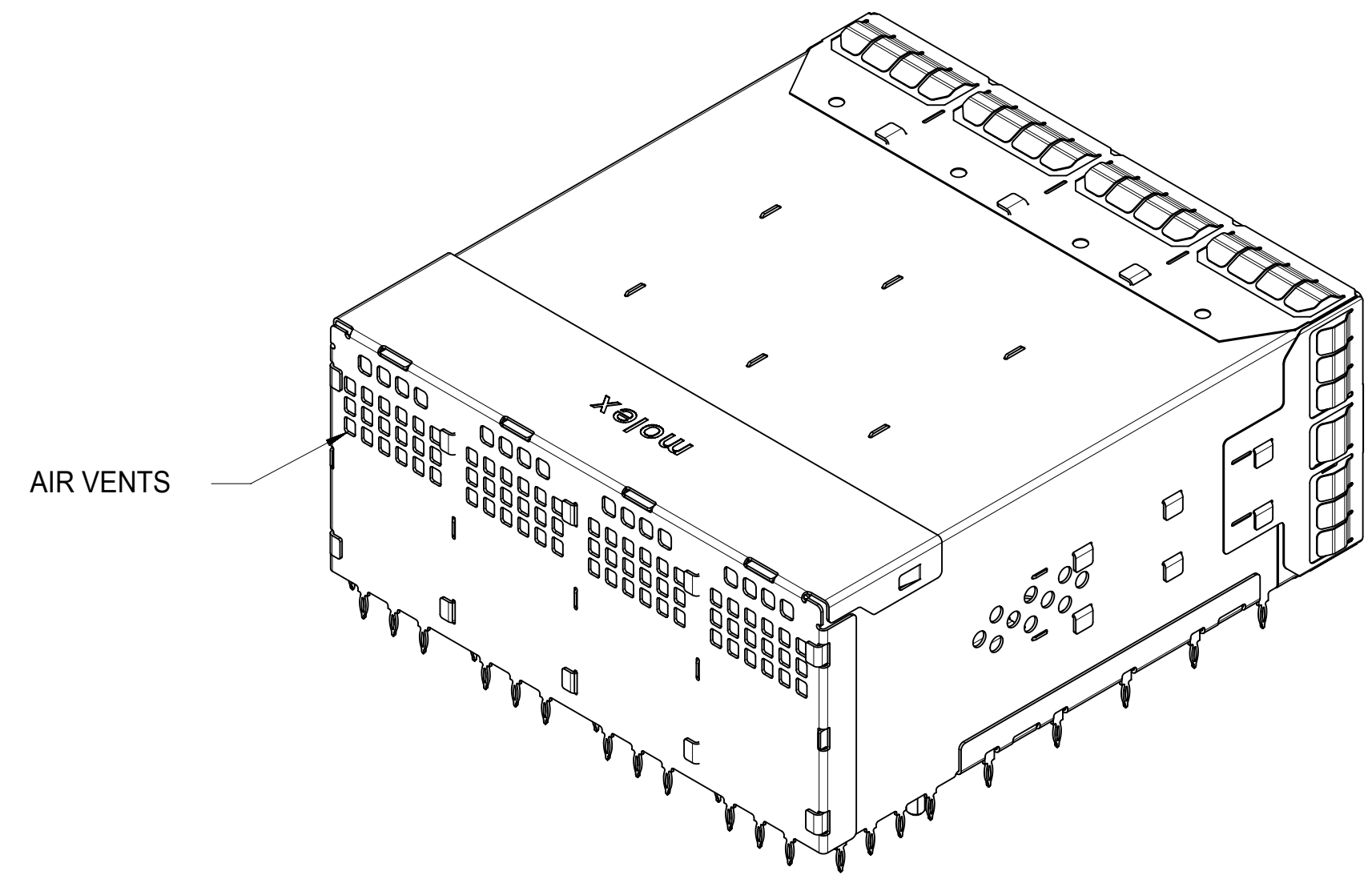
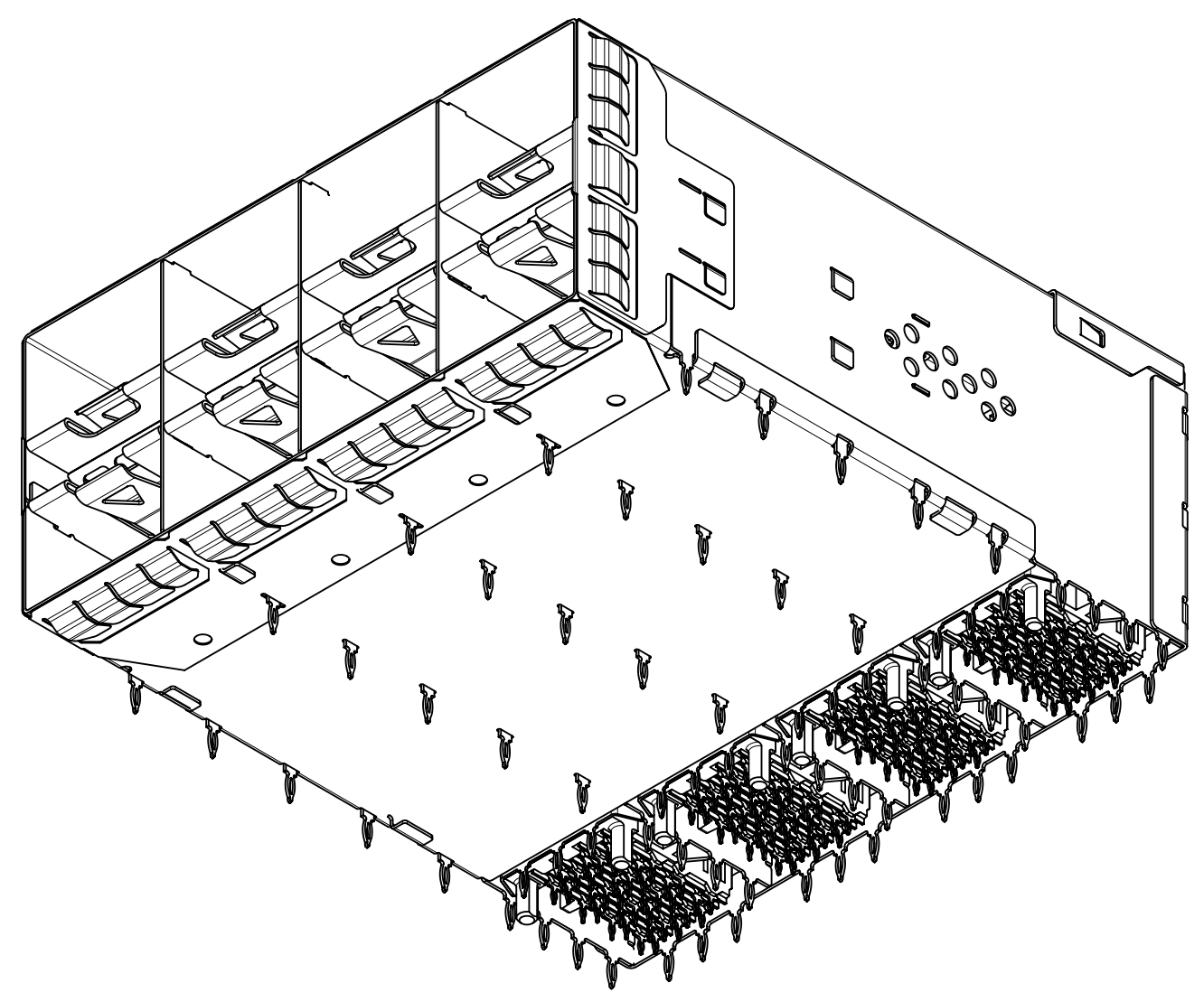
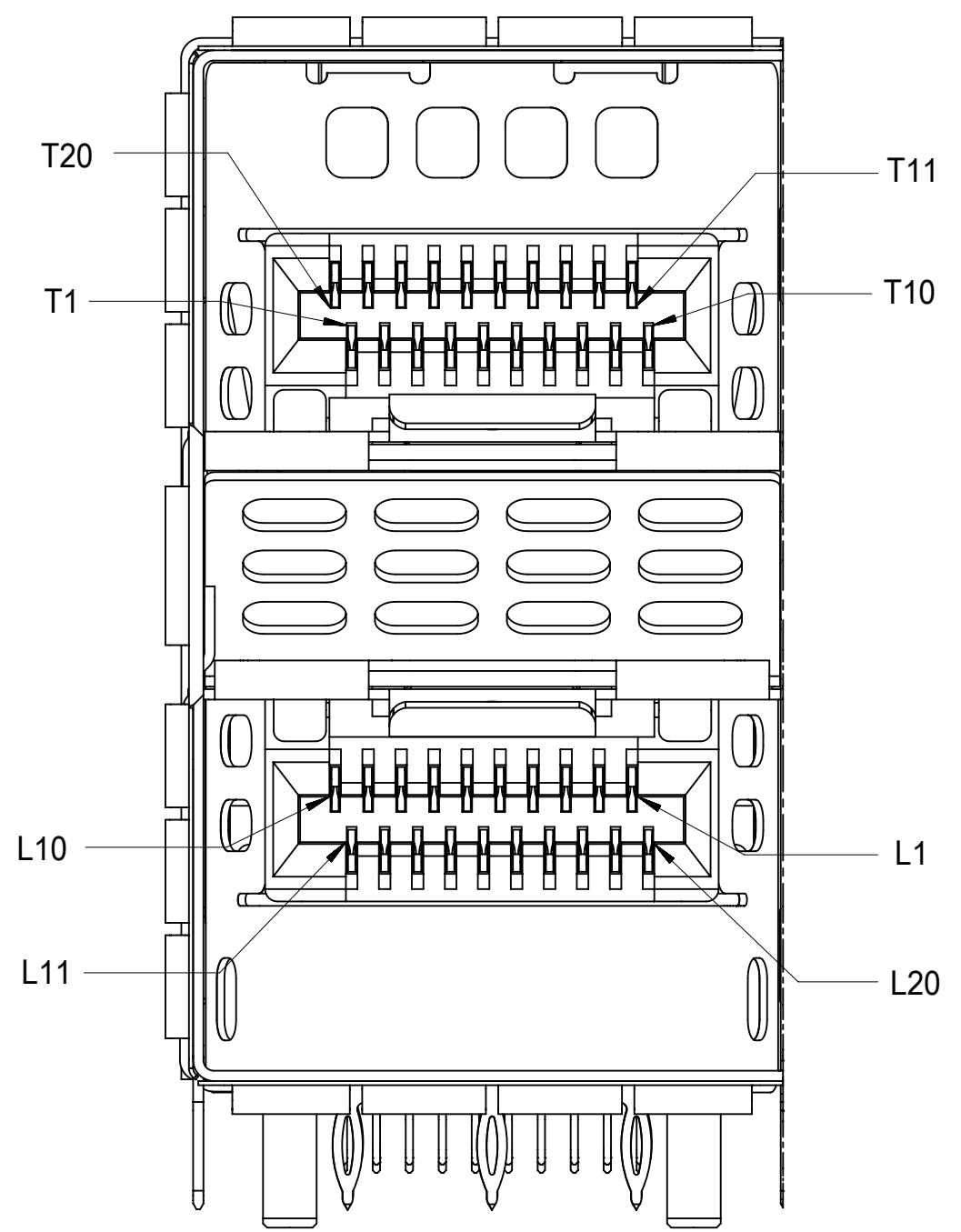
molex

ZSFP+ STACKED ASSEMBLY
W/METAL EMI GASKET AND ENHANCED AIRFLOW

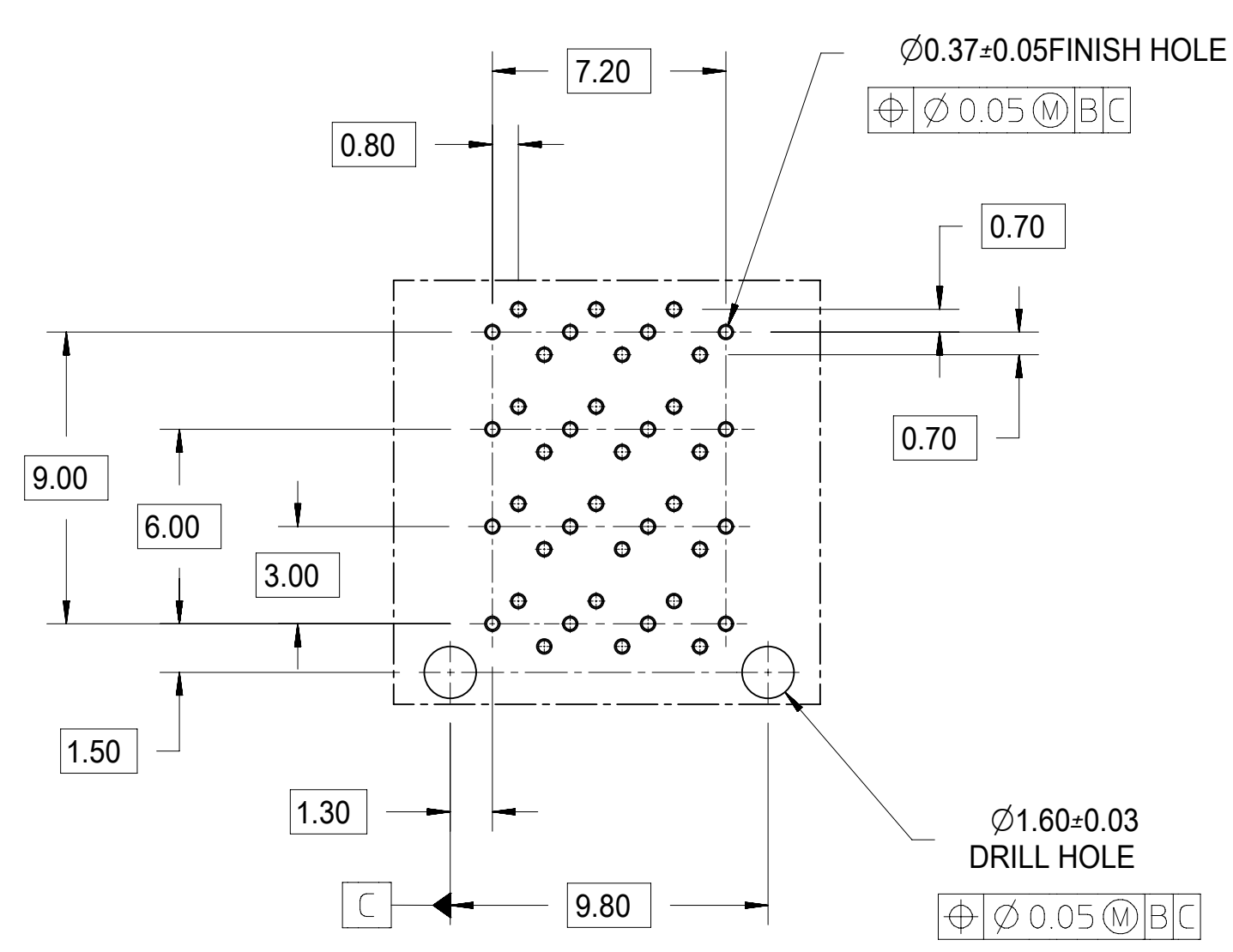
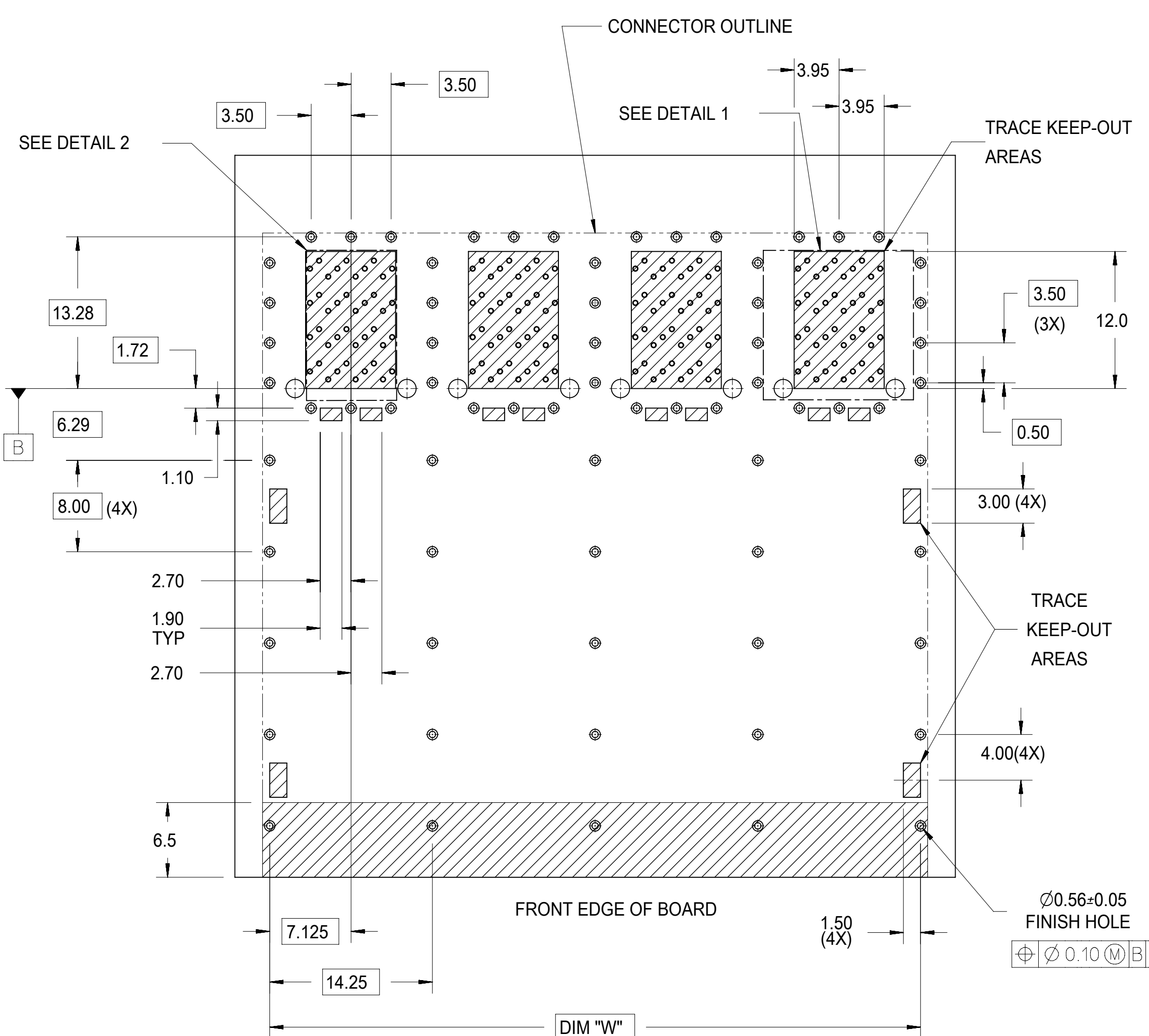
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-172501-0002	PSD	001	A

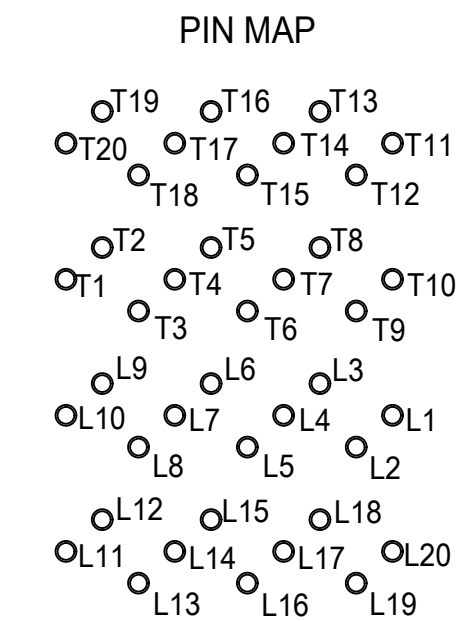
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 4



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
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▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)								
▽ = 0	ANGULAR TOL ± 0.5°								
▽ = 0	4 PLACES ±								
▽ = 0	3 PLACES ±								
▽ = 0	2 PLACES ± 0.13		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-172501-0002 DOC TYPE: PSD DOC PART: 001 REVISION: A						
▽ = 0	1 PLACE ± 0.25								
▽ = 0	0 PLACES ±								
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
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DETAIL 1
SCALE 5:1



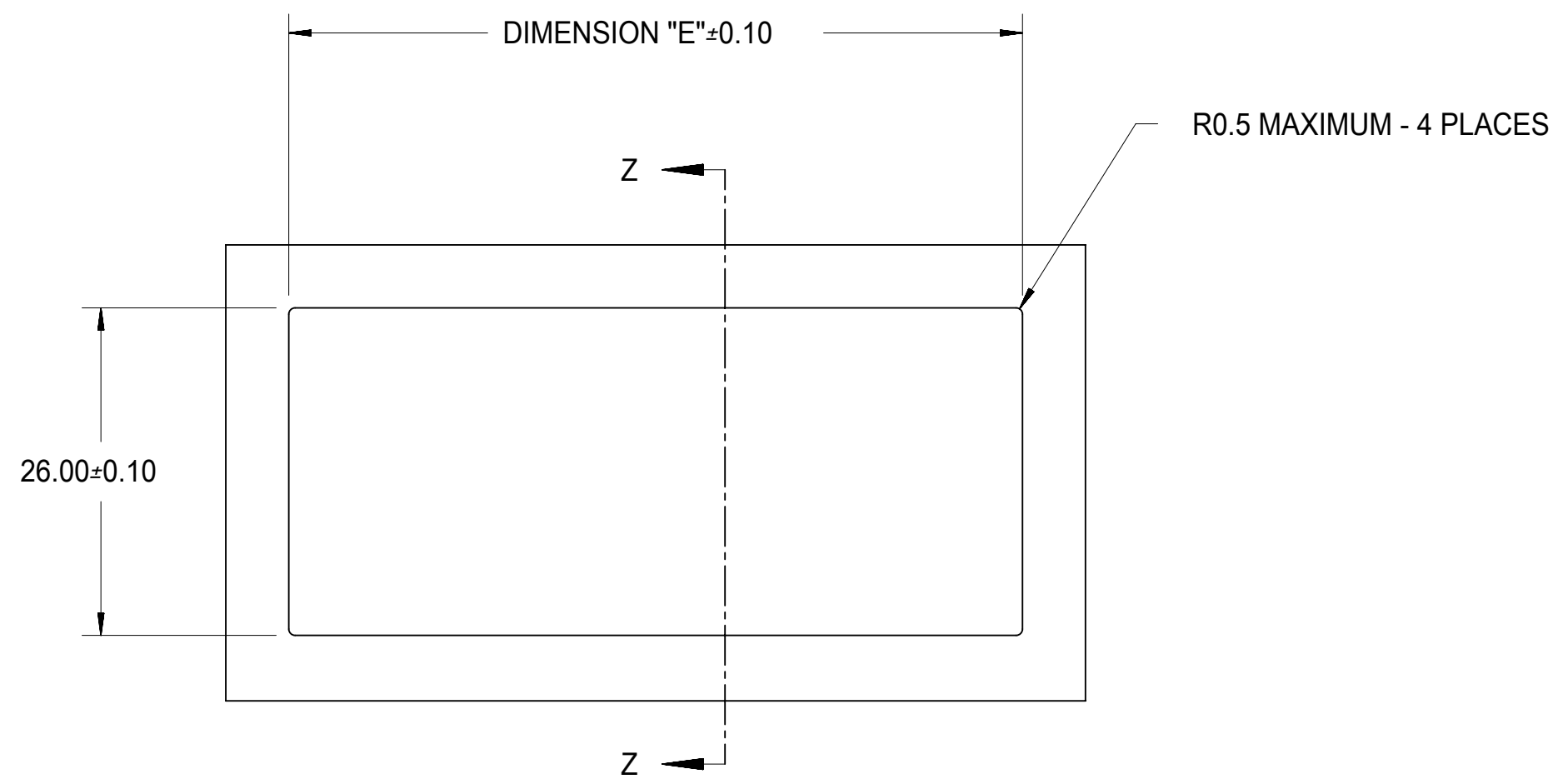
DETAIL 2
SCALE 6:1

NOTES:

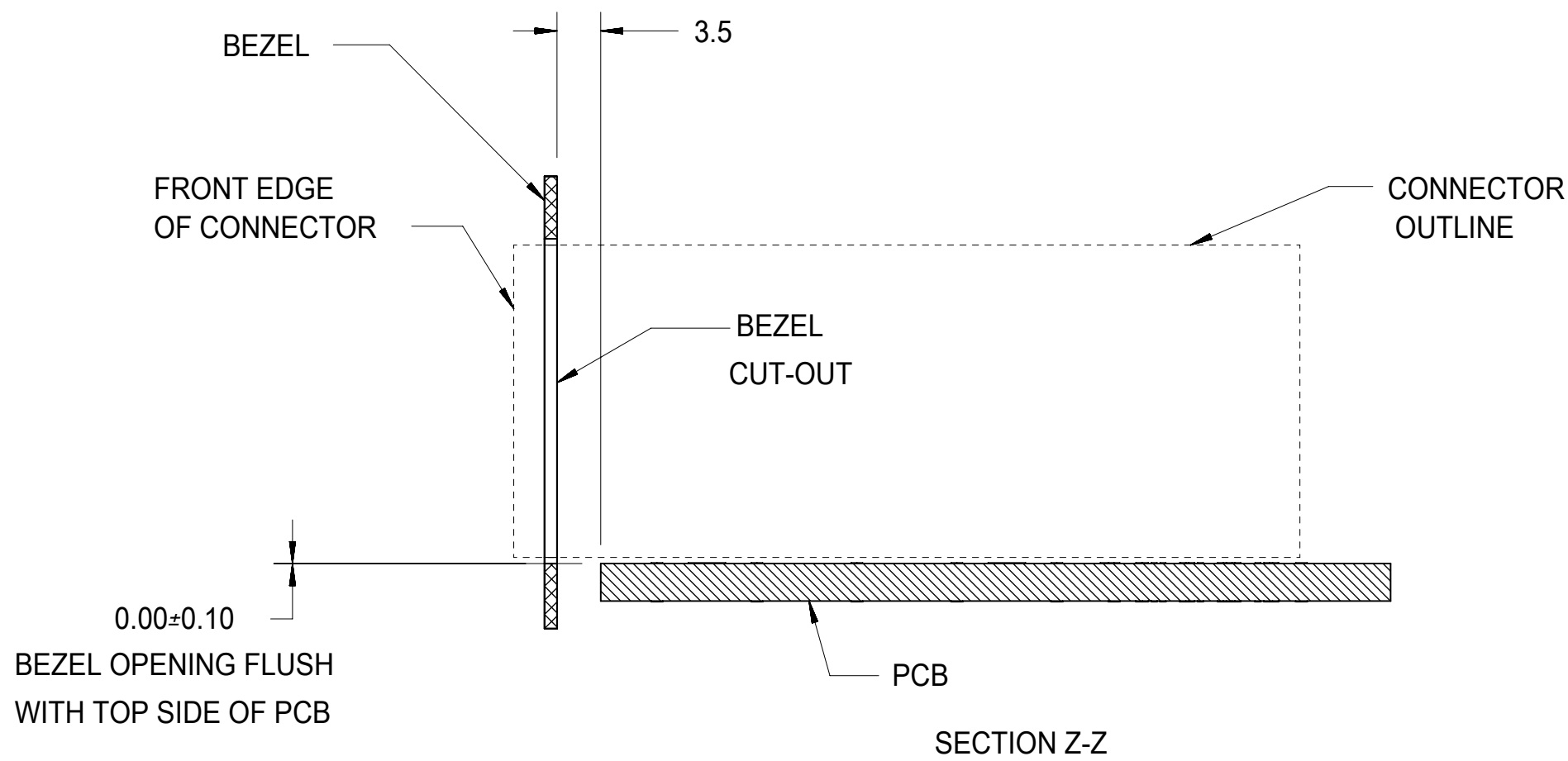
- CROSS HATCHED AREAS UNDER THE CONNECTOR ARE TRACE AND VIA KEEP-OUT AREAS.
- REMAINING AREA UNDER THE CONNECTOR HAS A NOMINAL CLEARANCE OF 0.5 AND IS CONSIDERED A COMPONENT KEEP-OUT AREA.

PORT SIZE	DIM "W"	HOLE CHART		
		CONNECTOR (Ø0.37)	SHIELD (Ø0.56)	LOCATION (Ø1.60)
2X4	57.00	160	69	8
2X6	85.50	240	99	12
2X8	114.00	320	129	16
2X12	171.00	480	189	24

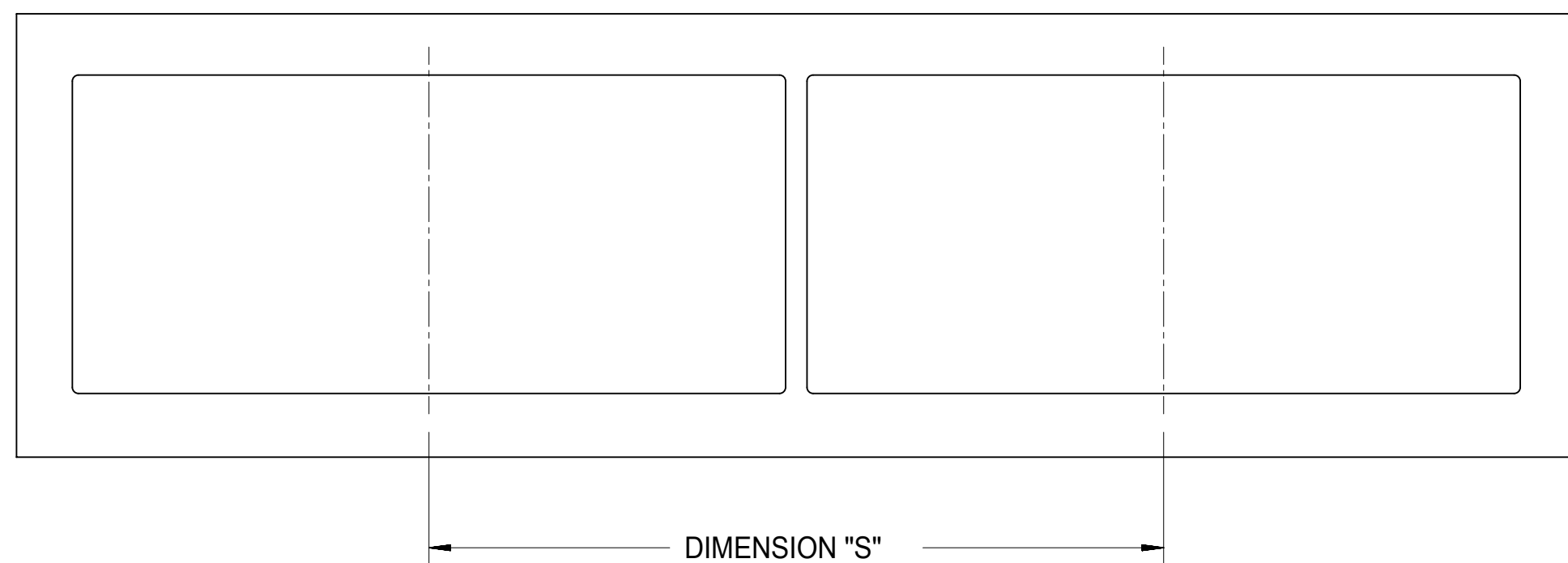
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	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 0.5°		EC NO: 600198 DRWN: JWALLACE01 2018/05/15 CHK'D: SMILLER 2018/06/05 APPR: HYOU02 2018/06/05		INITIAL REVISION: DRWN: BBARKER 2016/01/12 APPR: SMILLER 2017/02/08			PRODUCT CUSTOMER DRAWING	
4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING: C-SIZE SERIES: 172501		DOCUMENT NUMBER: SD-172501-0002 DOC TYPE: PSD DOC PART: 001 REVISION: A	
MATERIAL NUMBER: SEE TBL, SHT 1		CUSTOMER: GENERAL MARKET		SHEET NUMBER: 3 OF 4					



BEZEL CUT-OUT DETAIL
BEZEL THICKNESS 0.8 TO 2.6








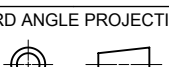


SECTION Z-Z



BEZEL CUTOUT CENTER SPACING DETAIL

PORT SIZE	DIM "E"	DIM "S"
2X4	58.25	60.00 MINIMUM
2X6	86.75	88.50 MINIMUM
2X8	115.25	117.00 MINIMUM
2X12	172.25	174.00 MINIMUM

SYMBOLS  = 0  = 0  = 0  = 0  = 0  = 0  = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		molex ZSFP+ STACKED ASSEMBLY W/METAL EMI GASKET AND ENHANCED AIRFLOW					
	DIMENSION UNITS: mm SCALE: 1:1	CURRENT REV DESC: EC NO: 600198 DRWN: JWALLACE01 2018/05/15 CHK'D: SMILLER 2018/06/05 APPR: HYOU02 2018/06/05				DOCUMENT NUMBER SD-172501-0002	DOC TYPE PSD	DOC PART 001
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 0.5°		INITIAL REVISION: DRWN: BBARKER 2016/01/12 APPR: SMILLER 2017/02/08		MATERIAL NUMBER SEE TBL, SHT 1		CUSTOMER GENERAL MARKET	SHEET NUMBER 4 OF 4
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING C-SIZE	SERIES 172501			