

NOTES:

1. MATERIAL:

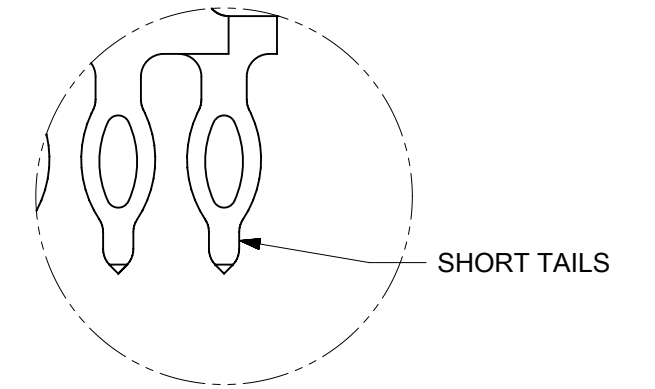
- CAGE: NICKEL SILVER
- CONNECTOR HOUSING: GLASS FILLED THERMOPLASTIC, UL: 94V-0, COLOR: BLACK
- TERMINALS: HIGH PERFORMANCE COPPER ALLOY
- FRONT SHIELD WALL: COPPER ALLOY
- INSULATOR SHEET: POLYCARBONATE AND PET WITH PSA, 0.18 THICK, UL-94VTM-0

2. FINISH

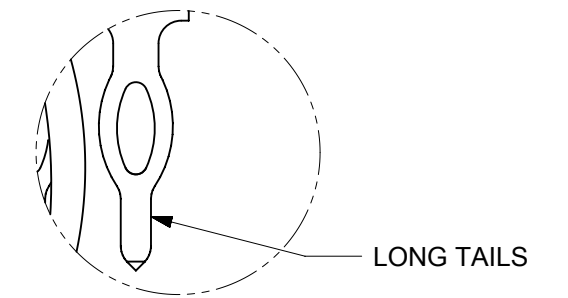
- TERMINALS: CONTACT AREA: 0.76 μm MIN. HARD GOLD OVER
3.8 μm MIN. NICKEL.
- COMPLIANT TAIL: 0.7-1.5 μm MATTE TIN OVER:
0.7-1.5 μm NICKEL

FRONT SHIELD WALL: 0.7-1.5 μm NICKEL OVERALL

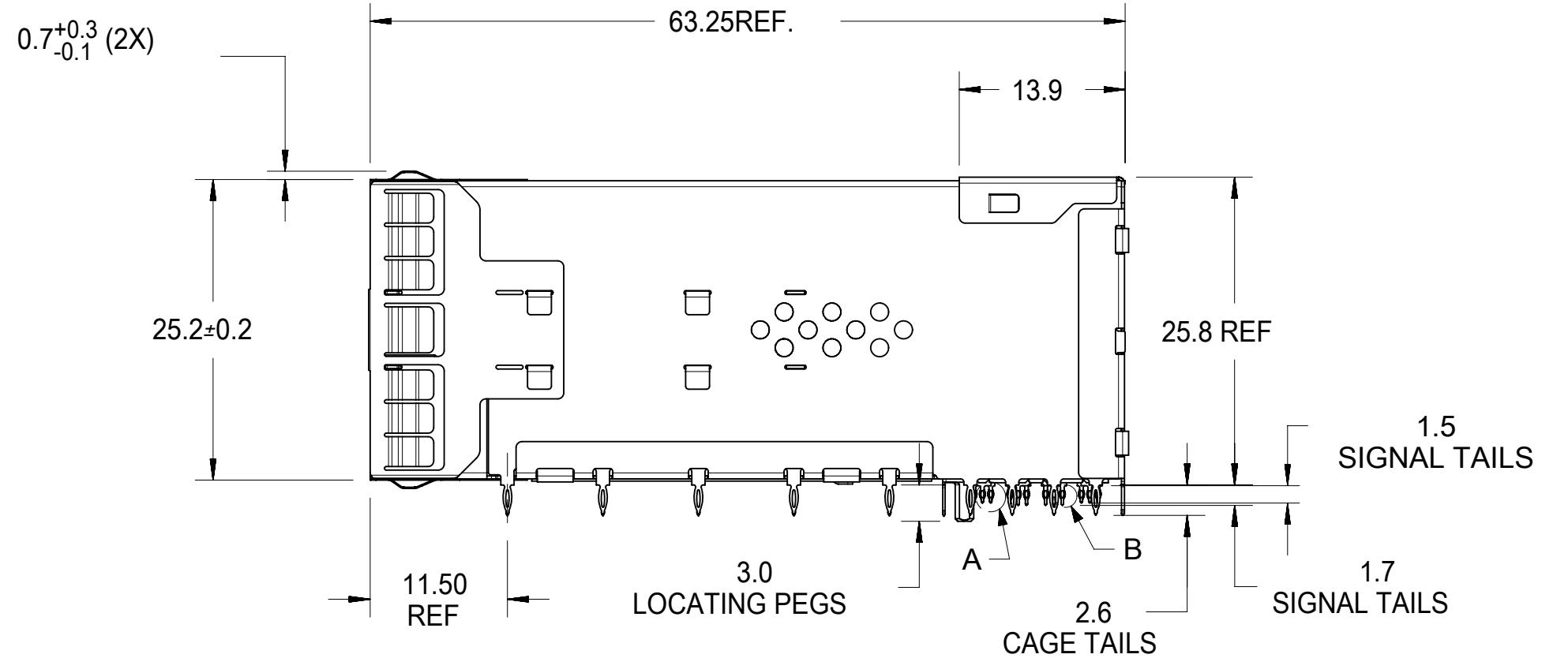
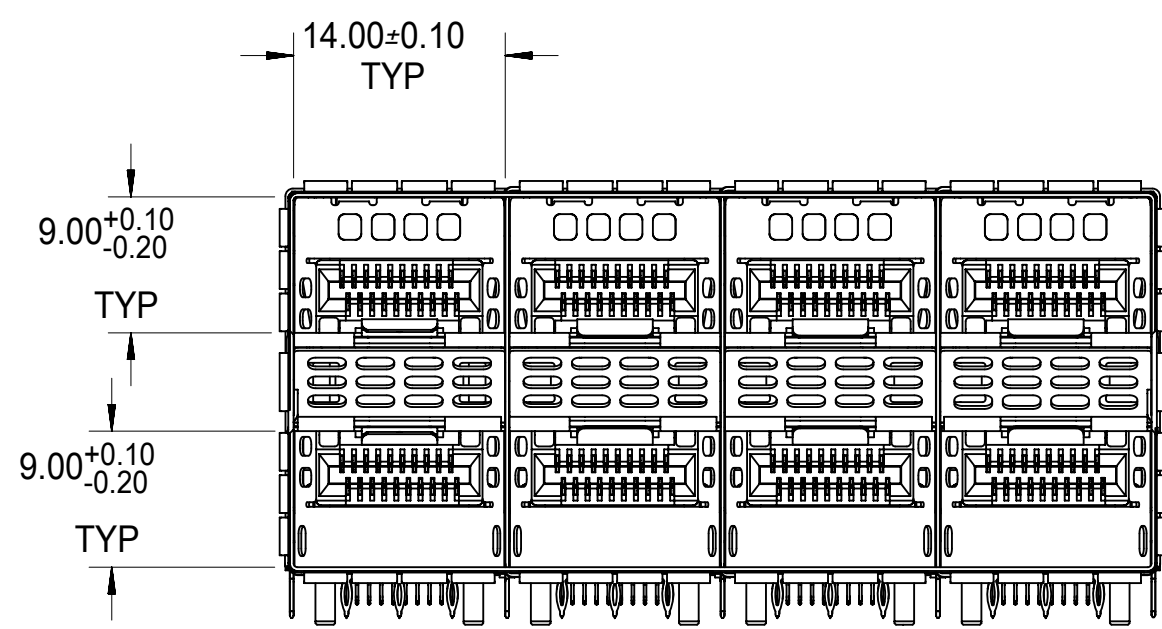
- 3. 2X4 CONFIGURATION SHOWN FOR REFERENCE, SEE CHART FOR AVAILABLE OPTIONS
- 4. REFER TO PS-170071-0001 FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
- 5. REFER TO AS-170071-0001 FOR CONNECTOR MOUNTING AND REWORK INFORMATION.
- 6. REFER TO AS-170071-0002 FOR PCB ROUTING RECOMMENDATIONS.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



DETAIL A
SCALE 10:1

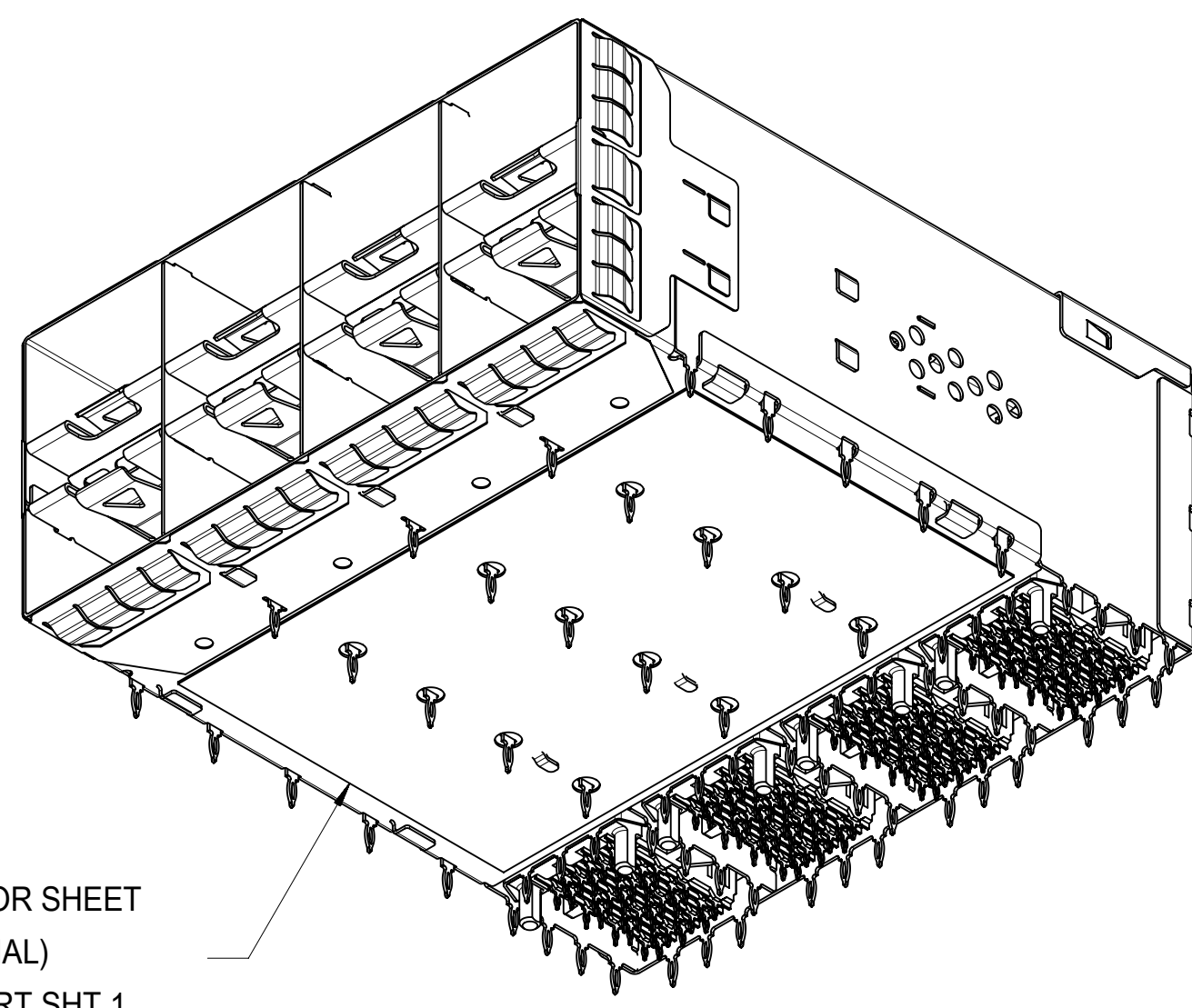
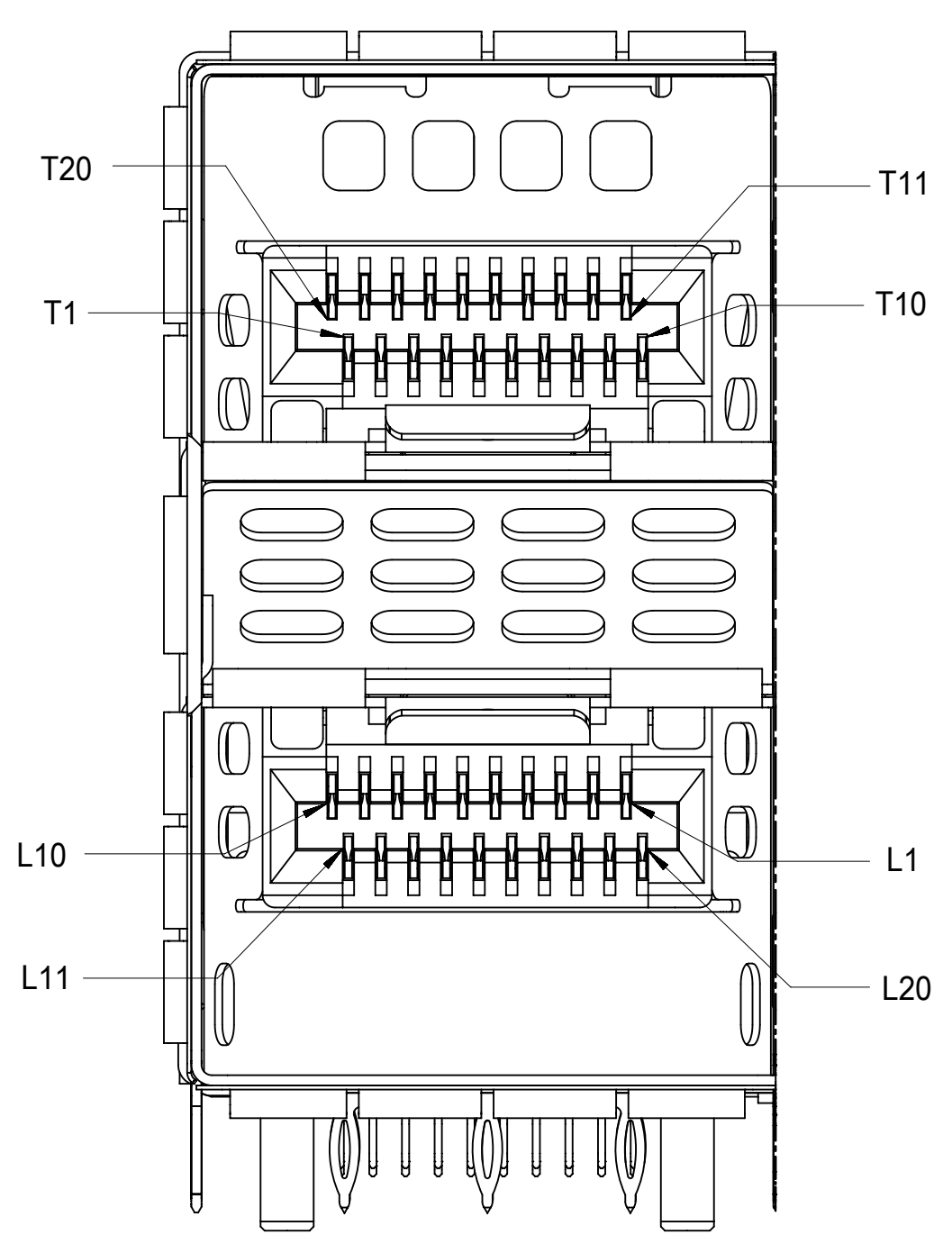


DETAIL B
SCALE 10:1

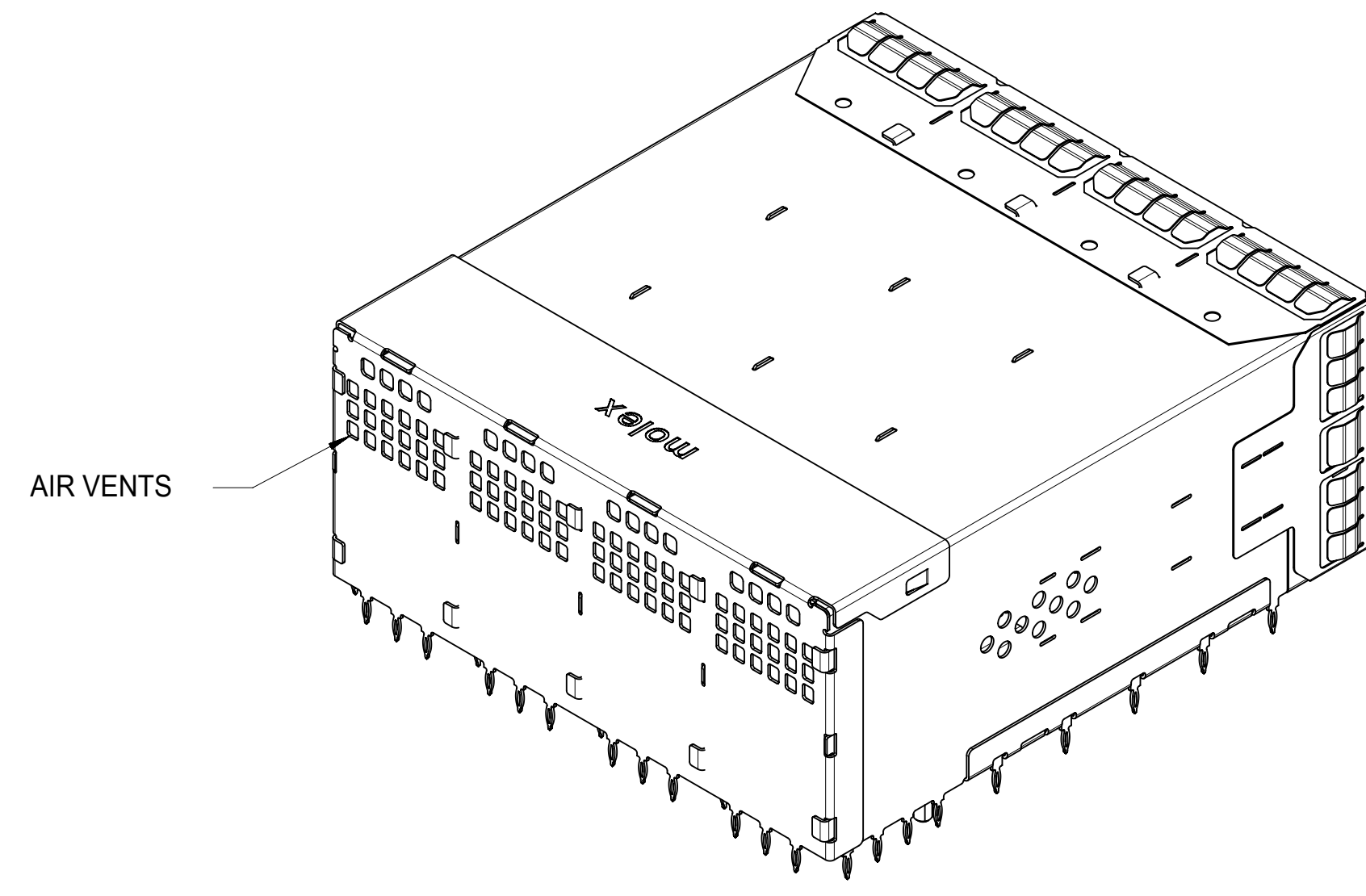


PORT SIZE	PART NUMBER WITH INSULATION SHEET	PART NUMBER WITHOUT INSULATION SHEET	DIM X	DIM Y
2X1	1725011001	1725011002	14.75	15.10
2x4	1725014001	1725014002	57.50	57.85
2x6	1725016001	1725016002	86.00	86.35
2x8	1725018001	1725018002	114.50	114.85
2x10	1725011101	1725011102	143.00	143.35
2x12	1725011201	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			
	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION HISTORY	
▽ = 0	mm	1:1	<p>molex</p> <p>ZSFP+ STACKED ASSEMBLY W/METAL EMI GASKET AND ENHANCED AIRFLOW</p> <p>PRODUCT CUSTOMER DRAWING</p>	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
▽ = 0	ANGULAR TOL ± 0.5°			
▽ = 0	4 PLACES ±	EC NO: 608228		
▽ = 0	3 PLACES ±	DRWN: CWANG67 2018/11/23		
▽ = 0	2 PLACES ± 0.13	CHK'D: RNELSON 2018/12/04		
▽ = 0	1 PLACE ± 0.25	APPR: RNELSON 2018/12/04	INITIAL REVISION:	
⊠ = 0	0 PLACES ±	DRWN: JKACHLIC 2014/02/05	2014/02/10	
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING SERIES
▽ = 0			C-SIZE	172501
DOCUMENT STATUS		P1	RELEASE DATE	2018/12/04 03:55:57
DOCUMENT NUMBER		PSD	DOC TYPE	DOC PART
SD-172501-0001		001	001	D1
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
SEE CHART		GENERAL MARKET		1 OF 5

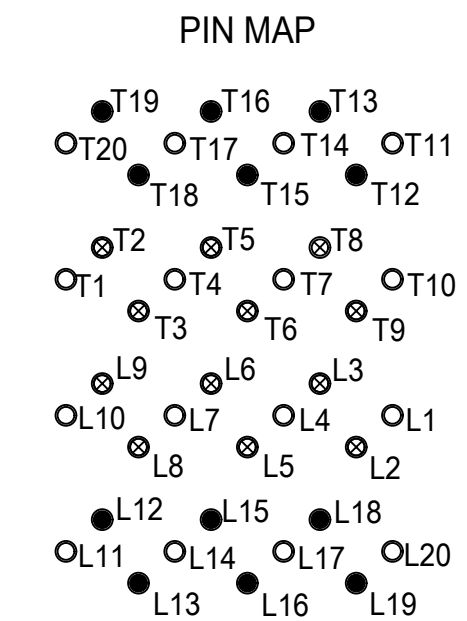
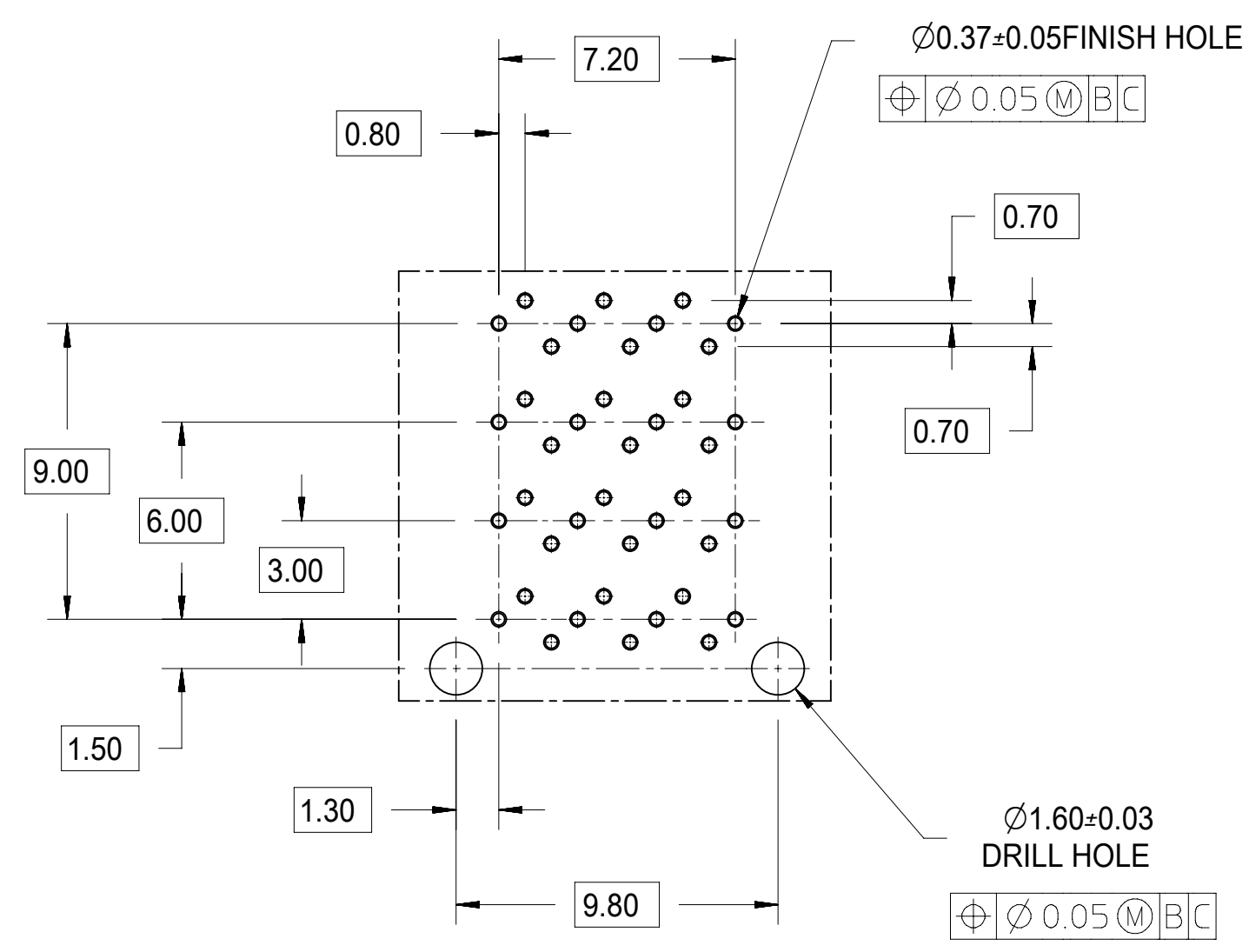
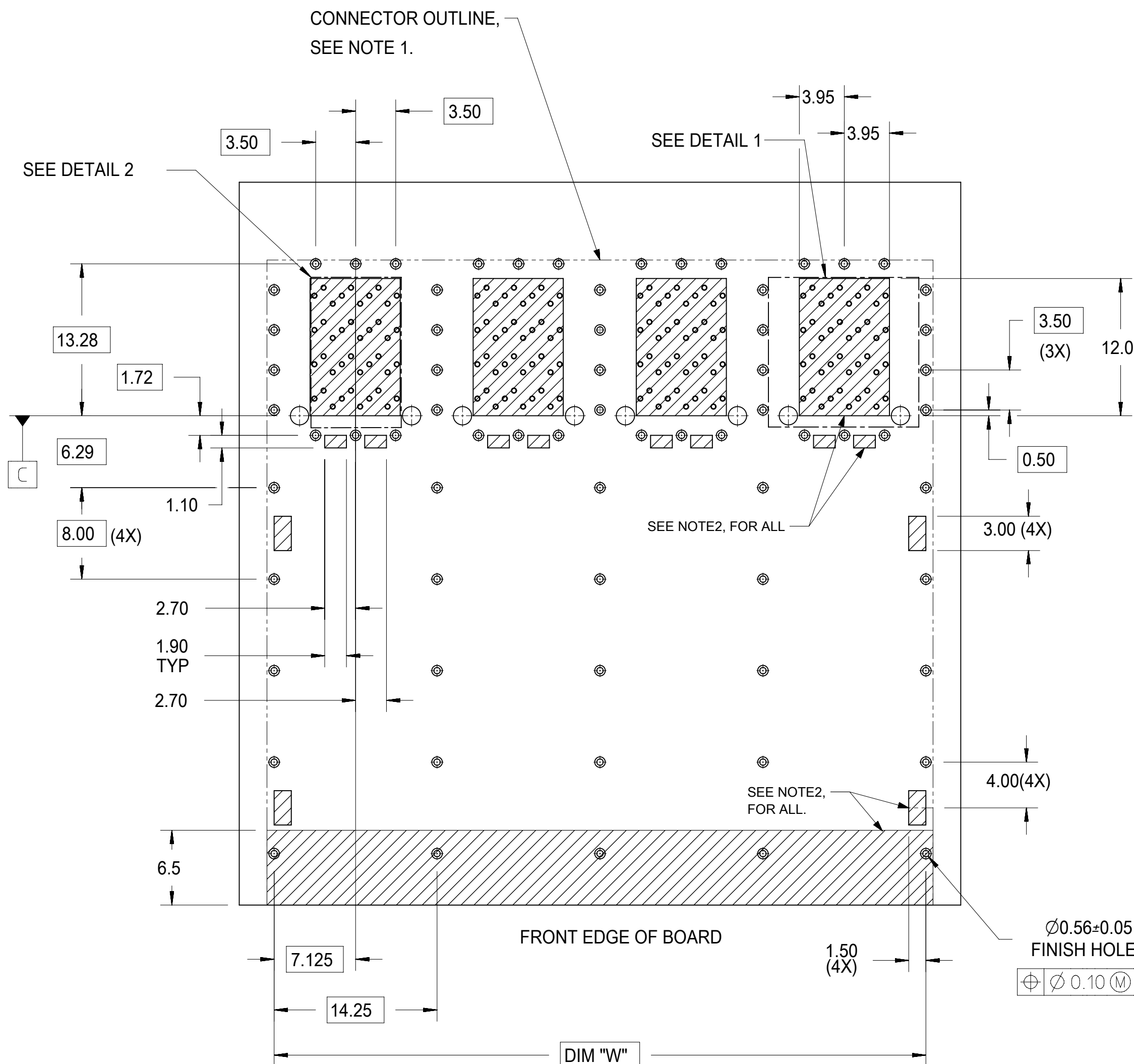


INSULATOR SHEET
(OPTIONAL)
SEE CHART SHT 1



AIR VENTS

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)				DRWN: CWANG67		2018/11/23	
▽ = 0		ANGULAR TOL ± 0.5°				CHK'D: RNELSON		2018/12/04	
▽ = 0		4 PLACES ±				APPR: RNELSON		2018/12/04	
▽ = 0		3 PLACES ±				INITIAL REVISION:			
▽ = 0		2 PLACES ± 0.13				DRWN: JKACHLIC		2014/02/05	
▽ = 0		1 PLACE ± 0.25				APPR: JKACHLIC		2014/02/10	
▽ = 0		0 PLACES ±				THIRD ANGLE PROJECTION		DRAWING SERIES	
▽ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				C-SIZE		172501	
DOCUMENT STATUS		P1		RELEASE DATE		2018/12/04		03:55:57	
molex		ZSFP+ STACKED ASSEMBLY W/METAL EMI GASKET AND ENHANCED AIRFLOW				PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER		SD-172501-0001		DOC TYPE		PSD		DOC PART REVISION	
MATERIAL NUMBER		SEE CHART		CUSTOMER		GENERAL MARKET		SHEET NUMBER	
								2 OF 5	



DETAIL 1
SCALE 5:1

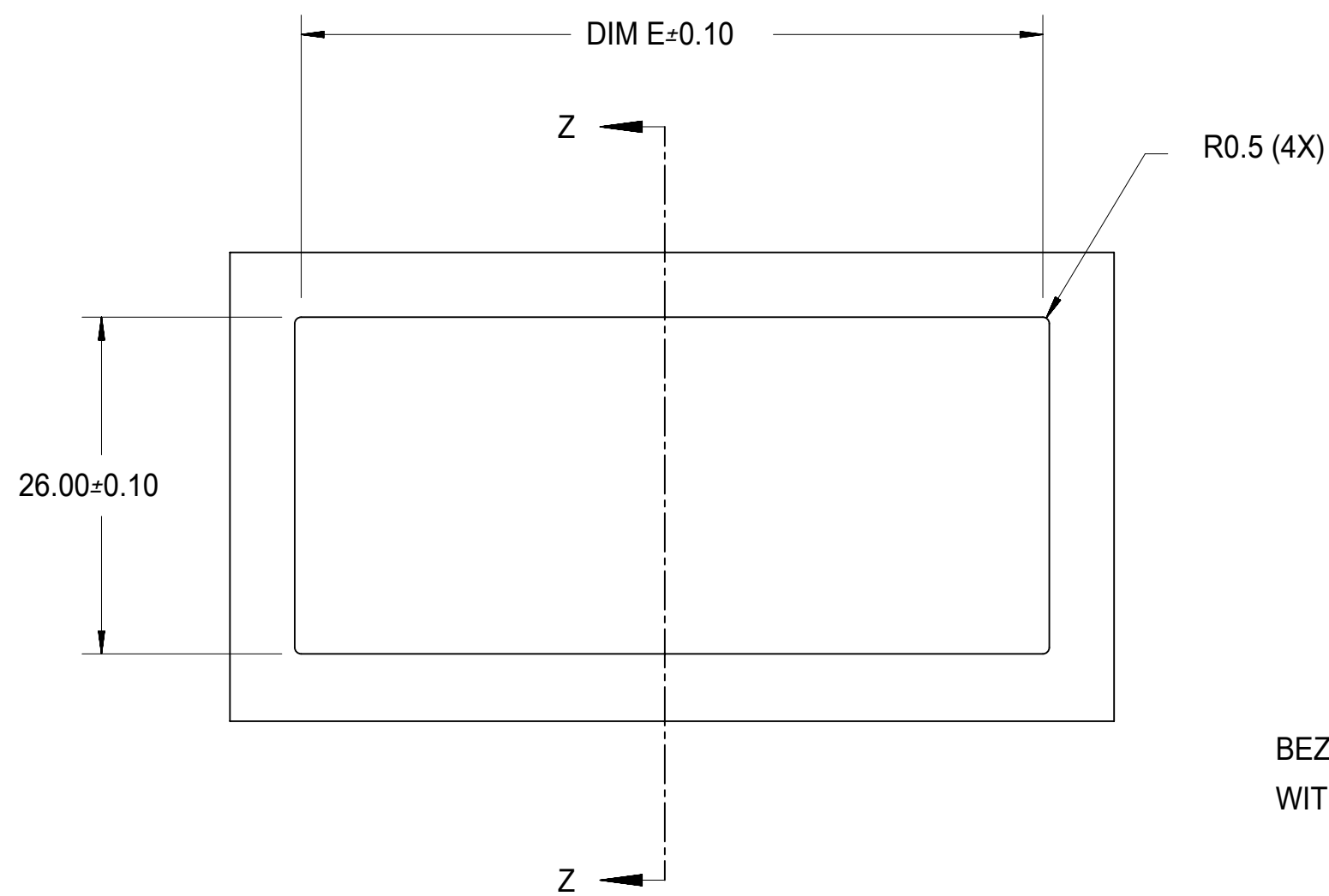
DETAIL 2
SCALE 6:1

NOTES:

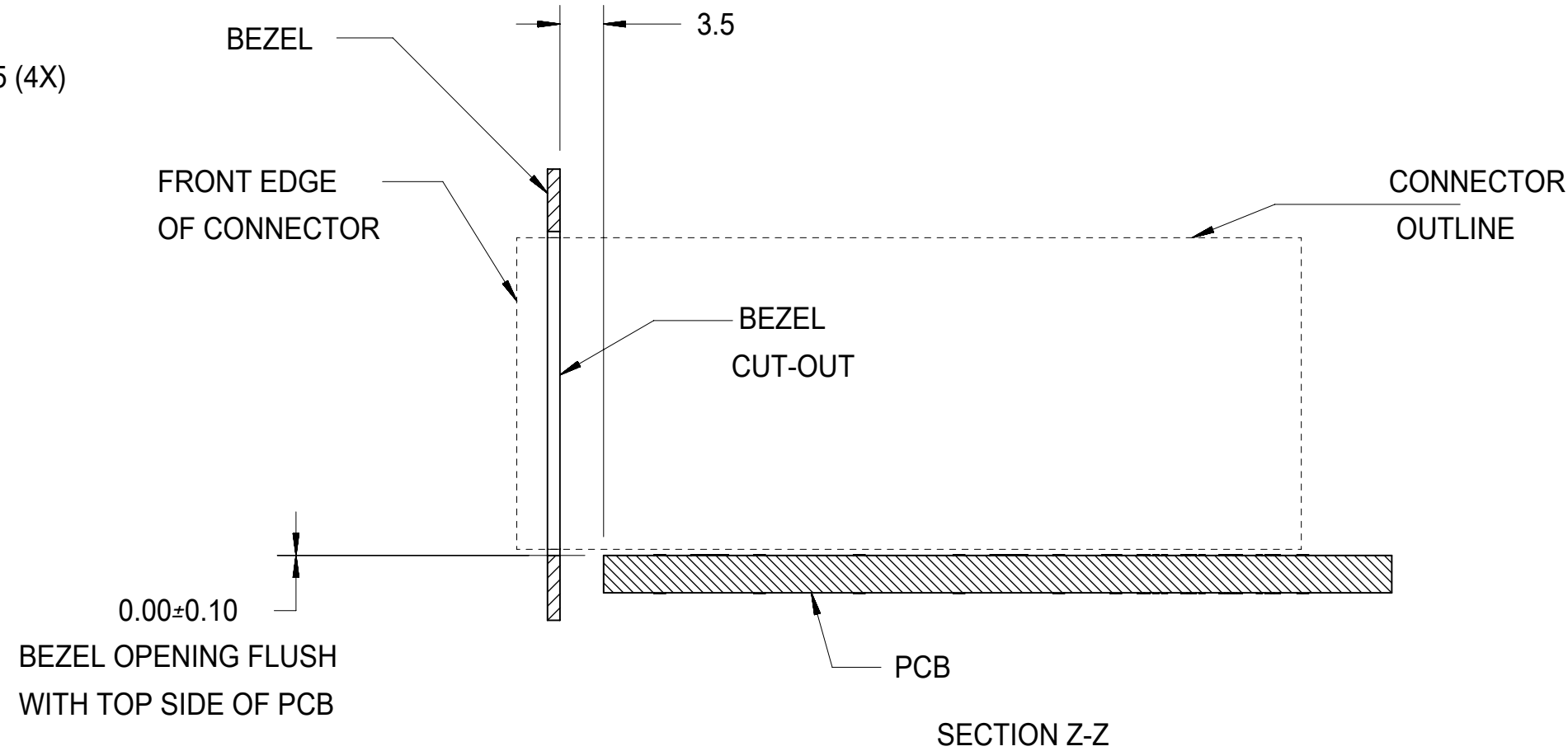
1. THE ENTIRE AREA UNDER THE CONNECTOR IS A KEEP OUT ZONE FOR COMPONENTS AND TRACES, TOP LAYER ONLY, EXCEPT FOR CHASSIS GROUND.
2. CROSS-HATCHED AREAS INDICATE PLACES WHERE THE PLASTIC HOUSING AND METAL CAGE MAY CONTACT PCB SURFACE. THESE AREAS ARE KEEP OUT ZONES. CORSS-HATCHED AREA UNDER THE CONNECTOR 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	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 HISTORY
▽ = 0	mm	1:1	
▽ = 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
▽ = 0	3 PLACES	±	
▽ = 0	2 PLACES	± 0.13	DOCUMENT NUMBER: SD-172501-0001 DOC TYPE: PSD DOC PART: 001 REVISION: D1
▽ = 0	1 PLACE	± 0.25	
▽ = 0	0 PLACES	±	MATERIAL NUMBER: GENERAL MARKET CUSTOMER: GENERAL MARKET SHEET NUMBER: 3 OF 5
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
▽ = 0	THIRD ANGLE PROJECTION	DRAWING: C-SIZE	SERIES: 172501

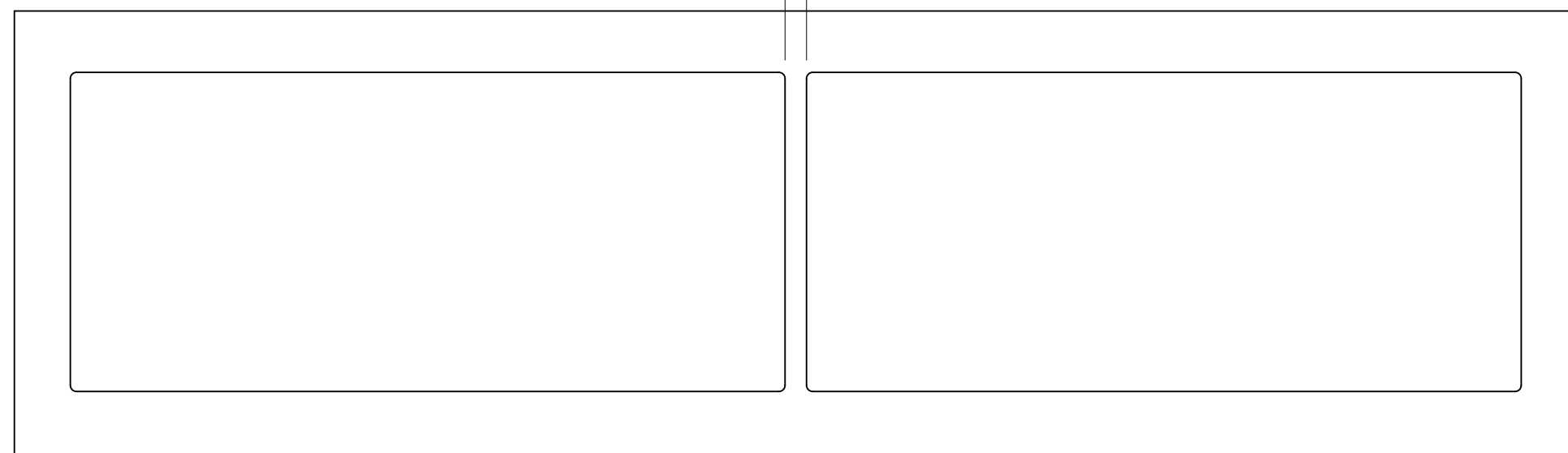


BEZEL CUT-OUT DETAIL
BEZEL THICKNESS 0.8-2.6



1.75 SEE NOTE

SECTION Z-Z



BEZEL CUT-OUT FOR
CONNECTOR STACKING










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

NOTE:

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

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)		DRWN: CWANG67 2018/11/23			PRODUCT CUSTOMER DRAWING			
▽ = 0	ANGULAR TOL ± 0.5°		CHK'D: RNELSON 2018/12/04						
▽ = 0	4 PLACES ±		APPR: RNELSON 2018/12/04			MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET SHEET NUMBER: 4 OF 5			
▽ = 0	2 PLACES ± 0.13		INITIAL REVISION:						
▽ = 0	1 PLACE ± 0.25		DRWN: JKACHLIC 2014/02/05			DRAWING: C-SIZE			
▽ = 0	0 PLACES ±		APPR: JKACHLIC 2014/02/10						
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION:			DRAWING: C-SIZE			
▽ = 0									

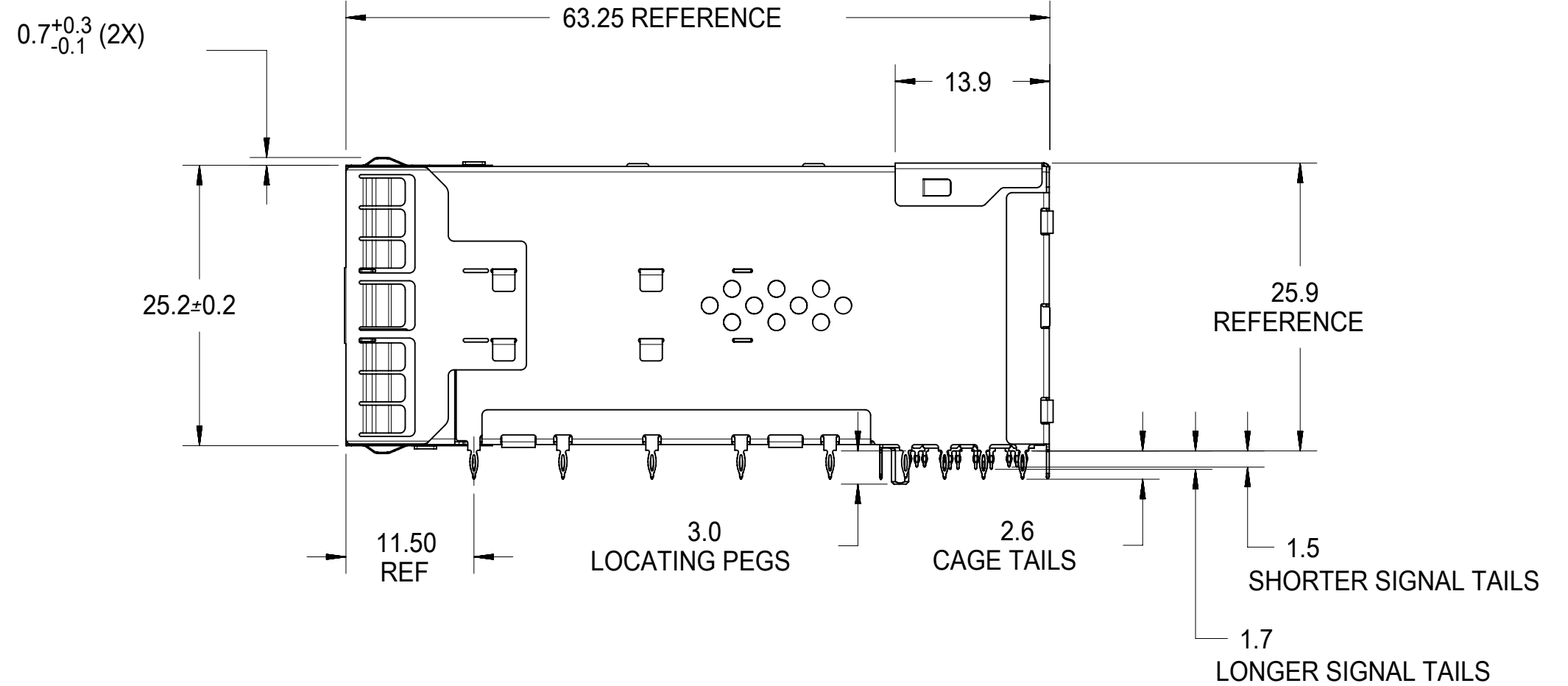
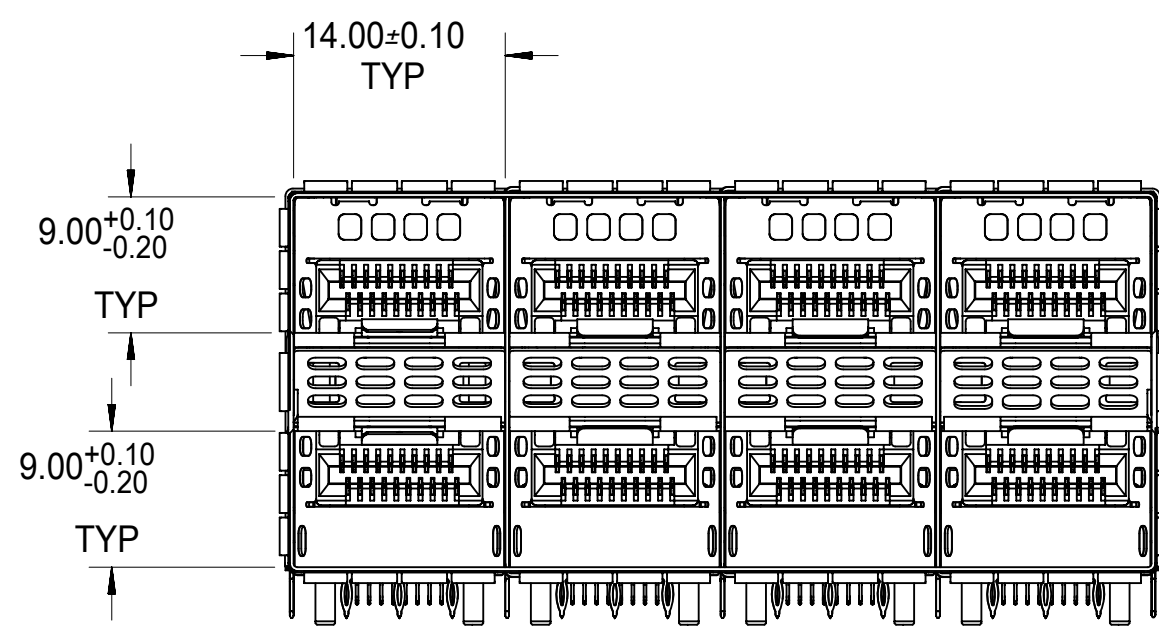
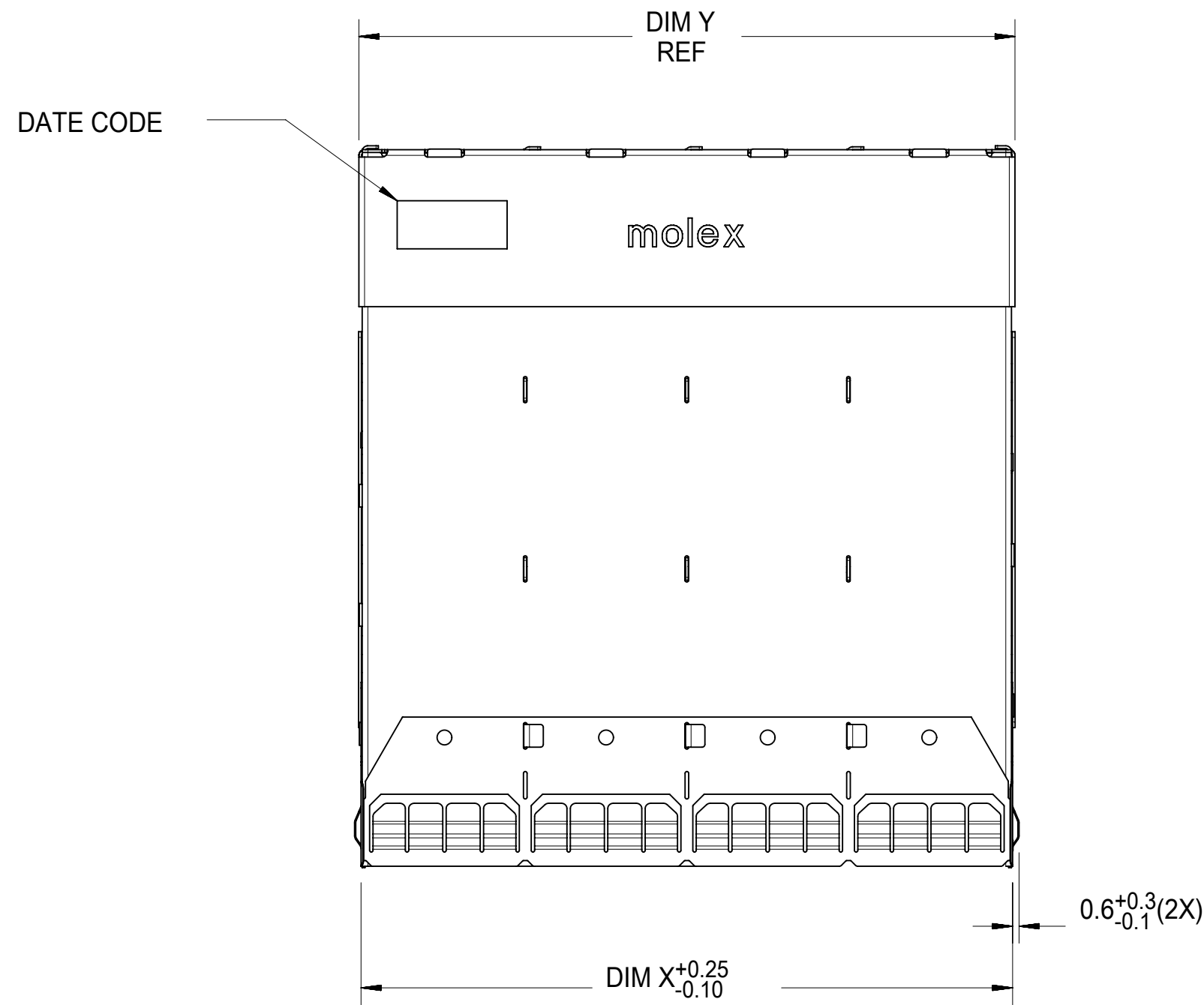
REVISION HISTORY		
DATE	REV.	DESCRIPTION
2018/11/23	D1	1.ADD REVISION HISTORY. 2.UPDATE NOTES IN SHEET3 FOR KEEP-OUT ZONE DESCRIPTION

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	SCALE	CURRENT REV DESC: SEE REVISION HISTORY			
	mm	1:1				
	GENERAL TOLERANCES (UNLESS SPECIFIED)					
	ANGULAR TOL	± 0.5°	EC NO: 608228			
	4 PLACES	±	DRWN: CWANG67 2018/11/23			
	3 PLACES	±	CHK'D: RNELSON 2018/12/04			
	2 PLACES	± 0.13	APPR: RNELSON 2018/12/04			
	1 PLACE	± 0.25	INITIAL REVISION:			
	0 PLACES	±	DRWN: JKACHLIC 2014/02/05			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
	C-SIZE	172501	SD-172501-0001	PSD	001	D1
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER			
		GENERAL MARKET	5 OF 5			



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

PRODUCT CUSTOMER DRAWING



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									
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC:			
▽ = 0		mm		1:1		EC NO: 600198			
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▽ = 0		4 PLACES ±				APPR: HYU02 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 ±				THIRD ANGLE PROJECTION			
▽ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING		SERIES		MATERIAL NUMBER	
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▽ = 0		GENERAL MARKET		1 OF 4		SHEET NUMBER		1 OF 4	

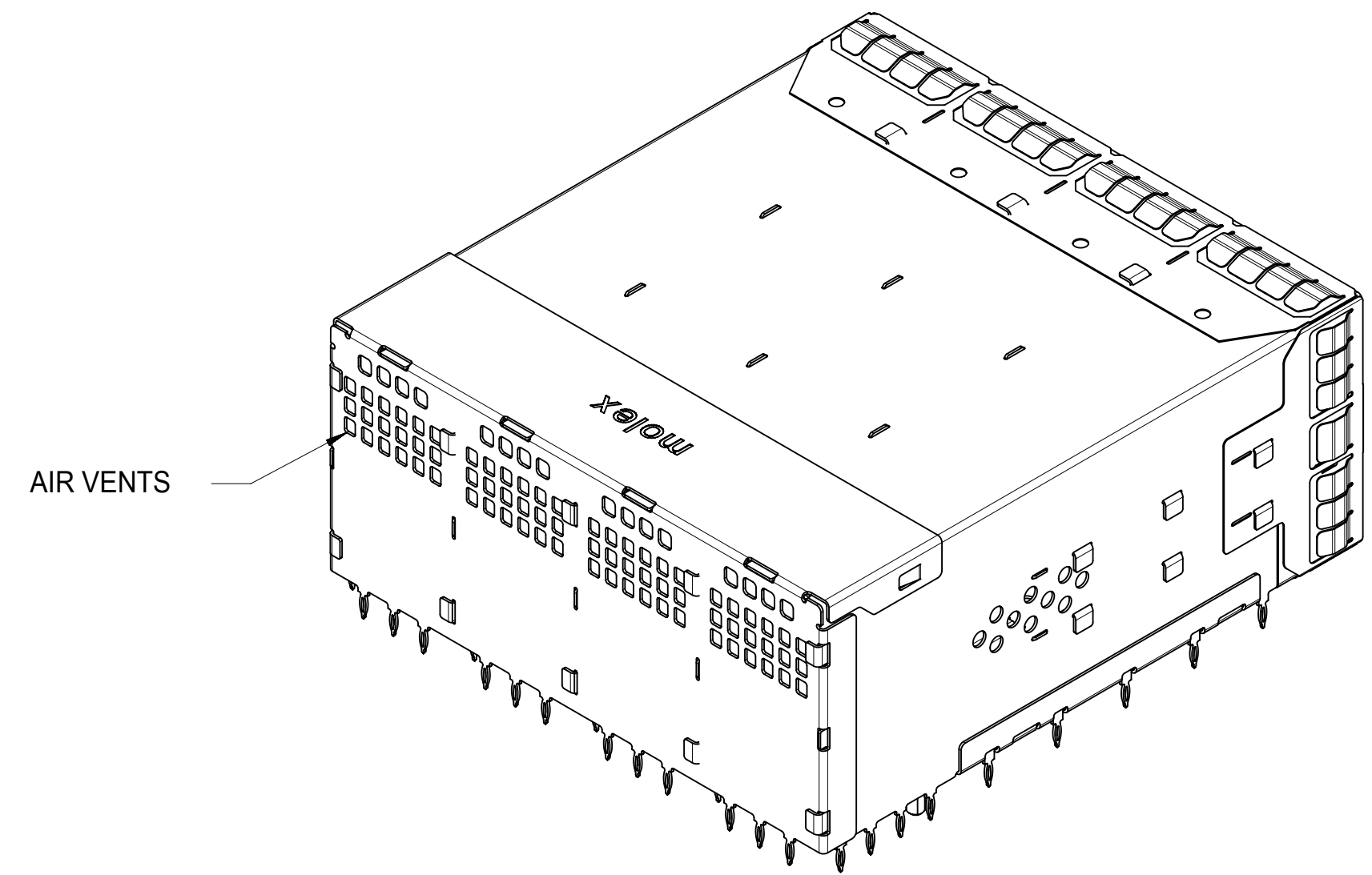
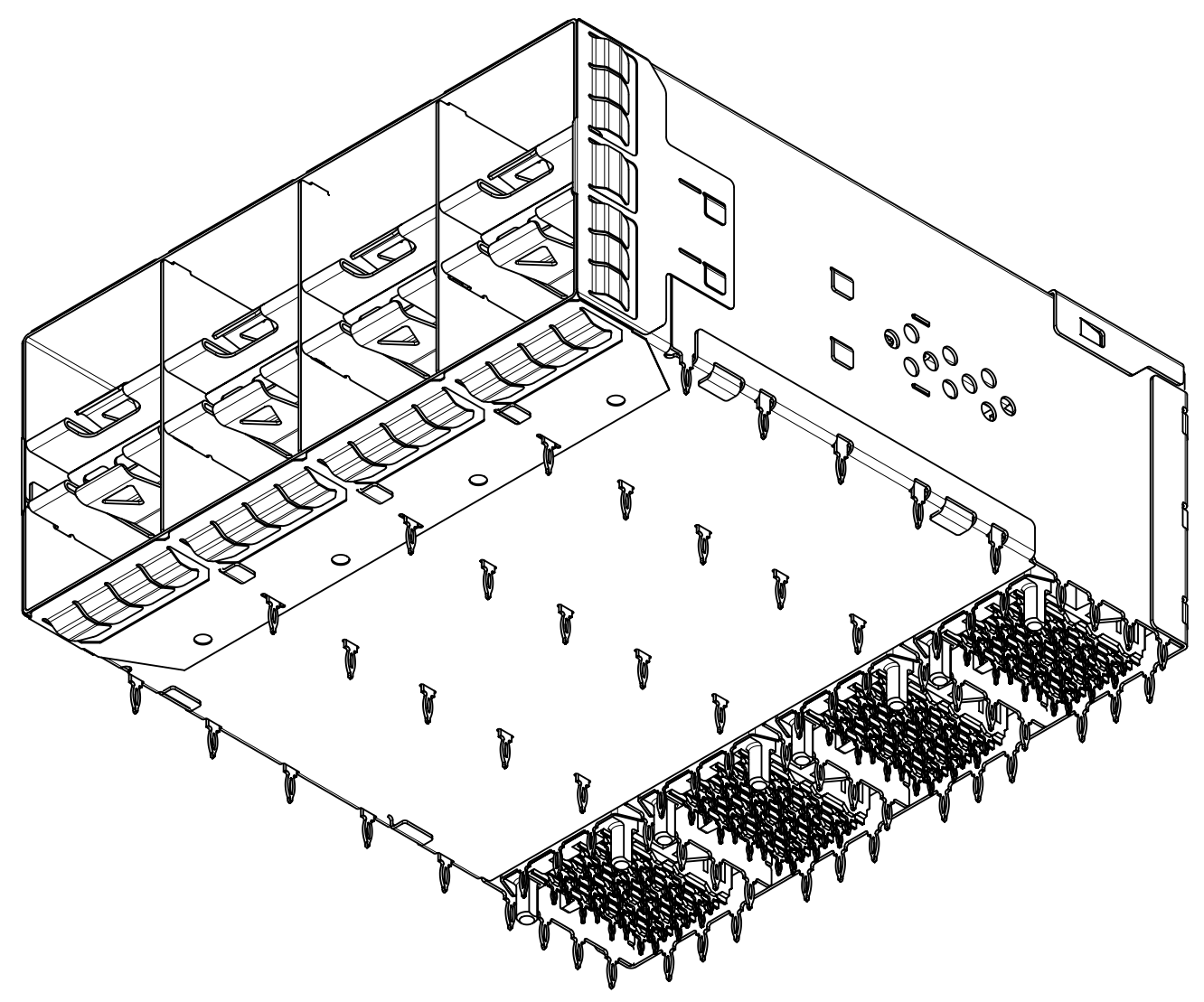
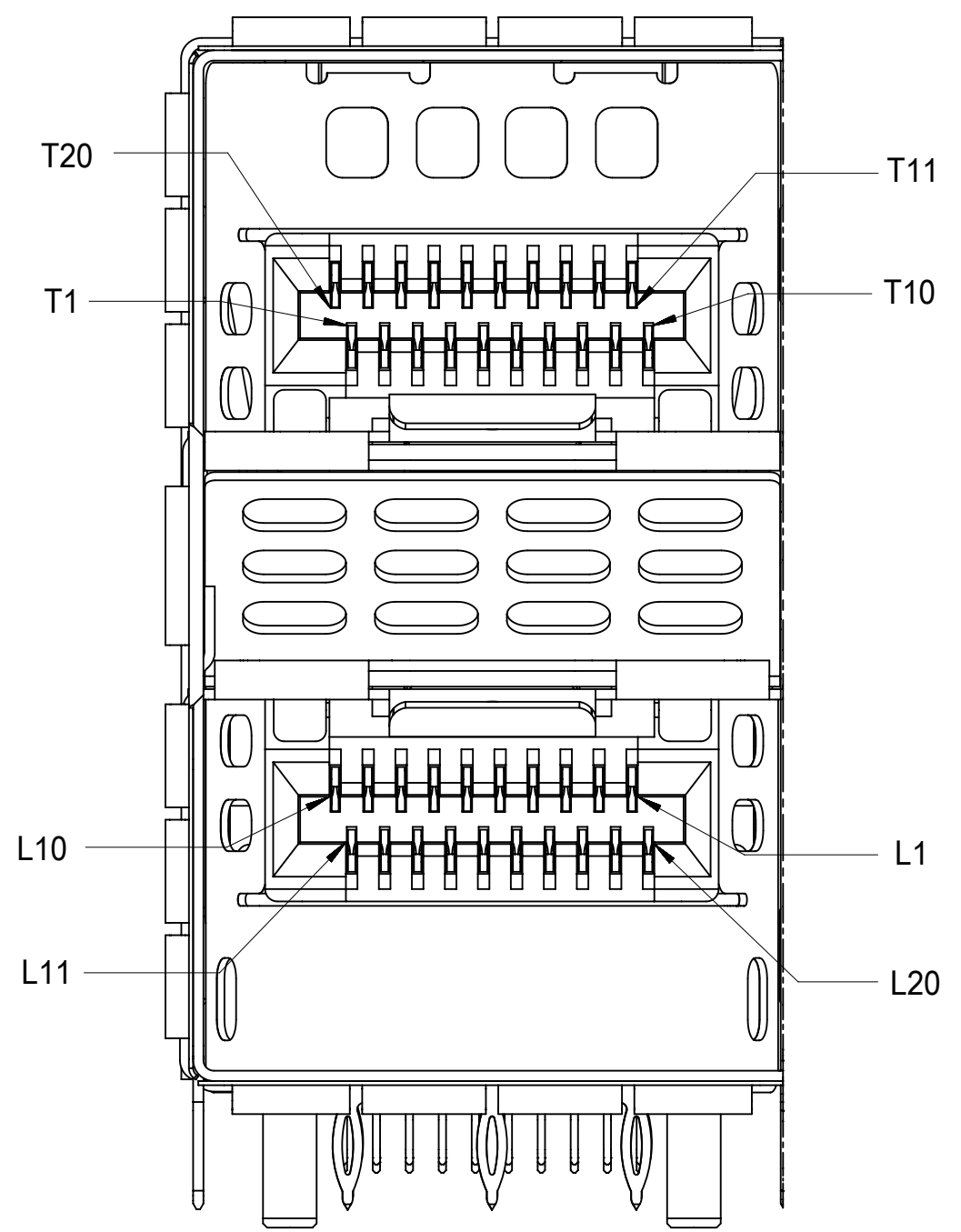
molex

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

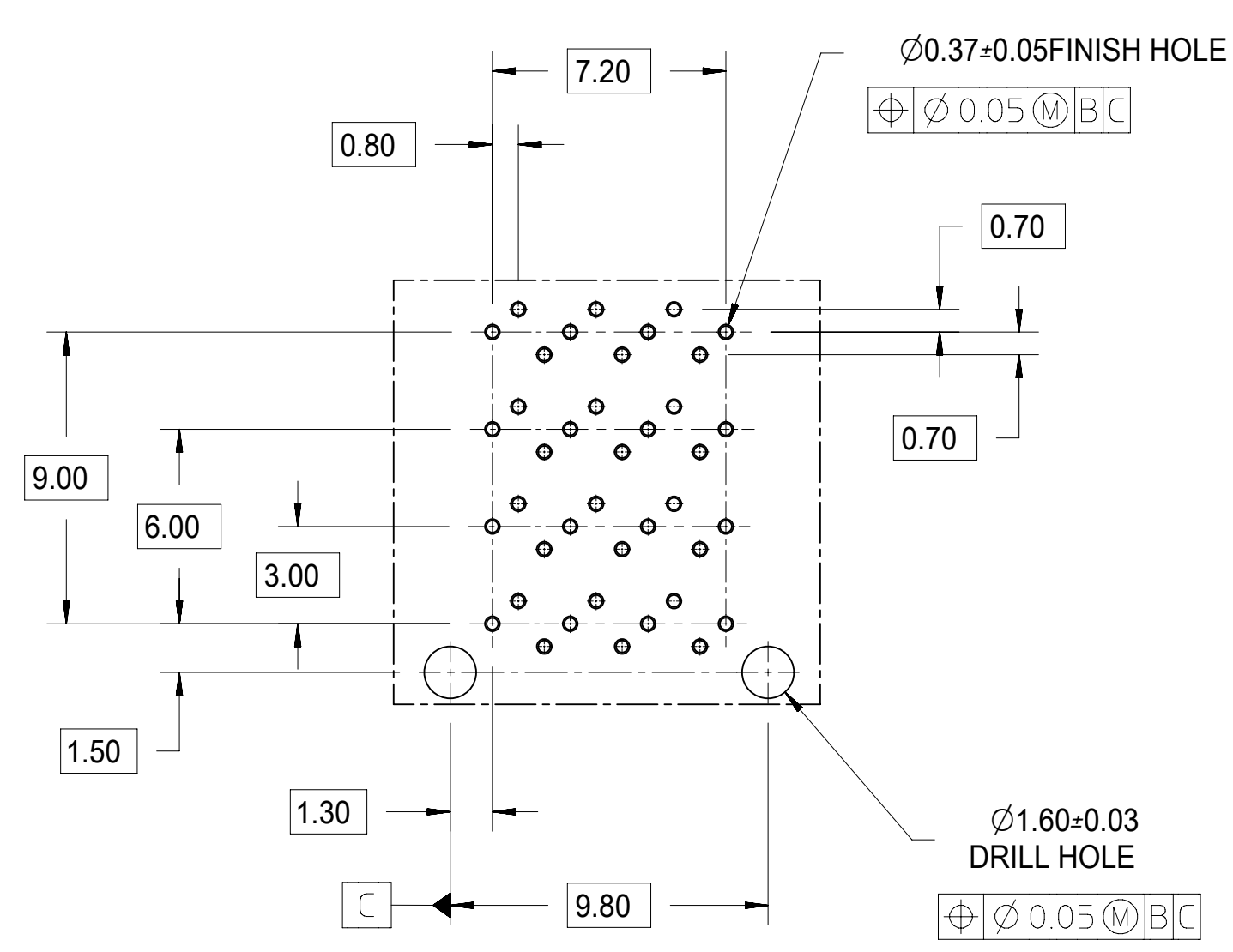
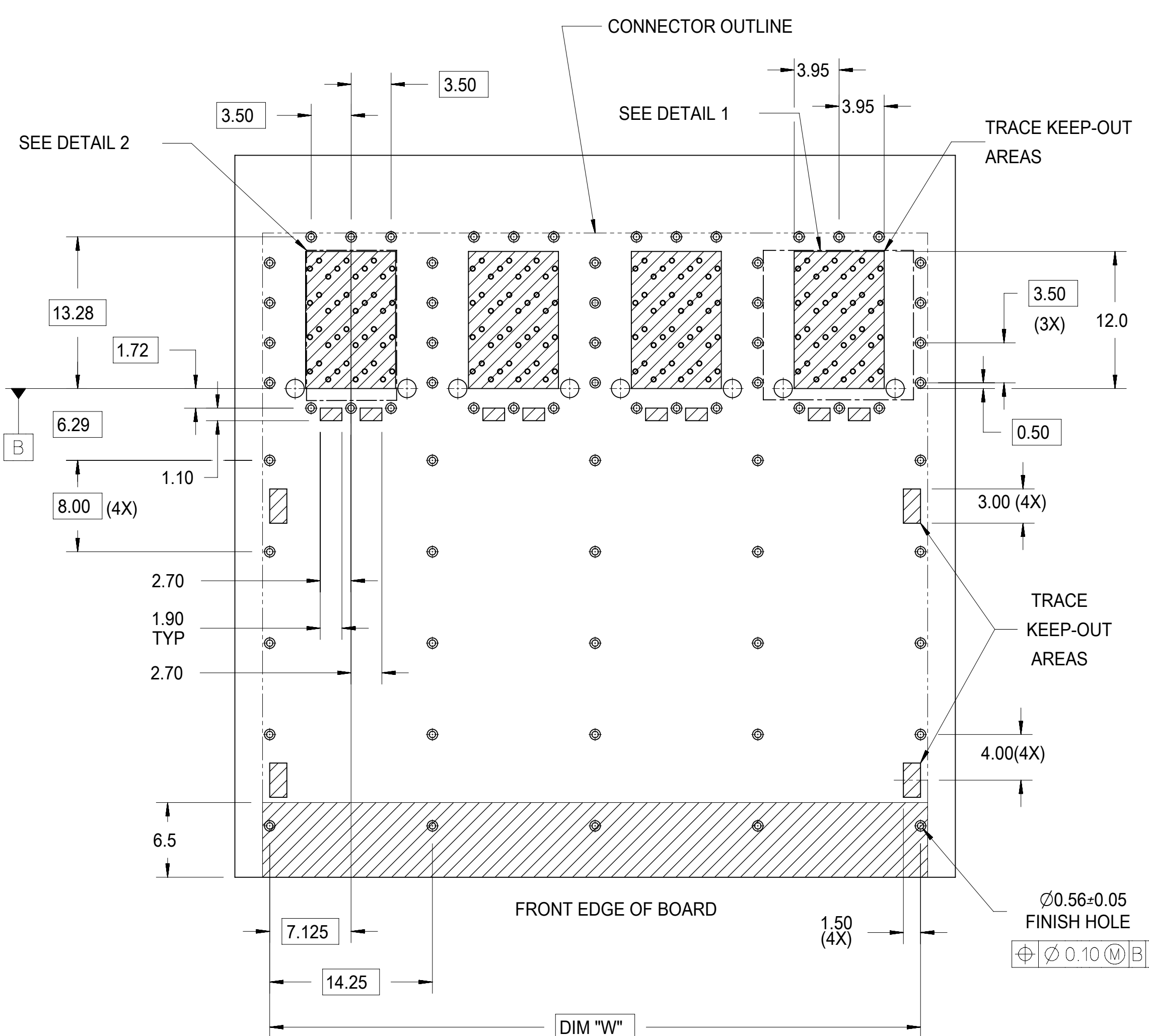
PRODUCT CUSTOMER DRAWING

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

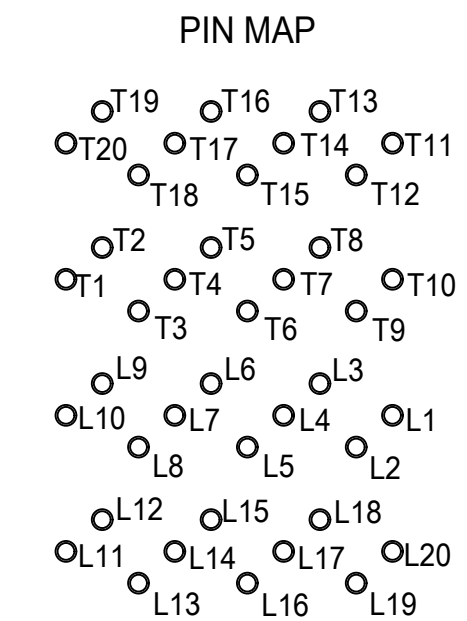
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 4



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC:			
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▽ = 0	ANGULAR TOL ± 0.5°		CHK'D: SMILLER 2018/06/05						
▽ = 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		THIRD ANGLE PROJECTION		DRAWING		SERIES
▽ = 0			C-SIZE		172501		MATERIAL NUMBER		CUSTOMER
DOCUMENT STATUS		P1		RELEASE DATE		2018/06/05 20:26:49		SD-172501-0002	
								PSD 001 A	
								SEE TBL, SHT 1 GENERAL MARKET 2 OF 4	



DETAIL 1
SCALE 5:1



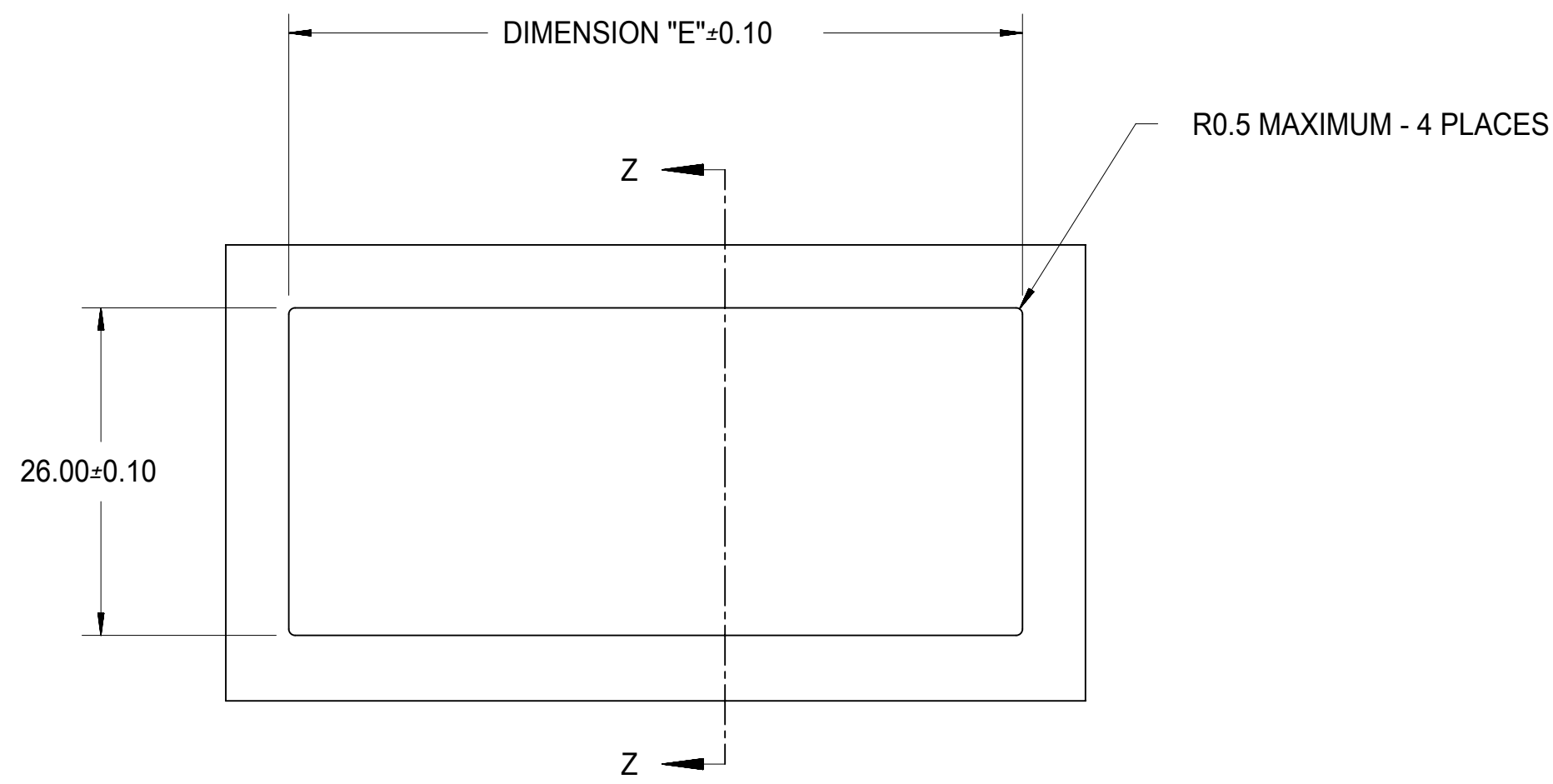
DETAIL 2
SCALE 6:1

NOTES:

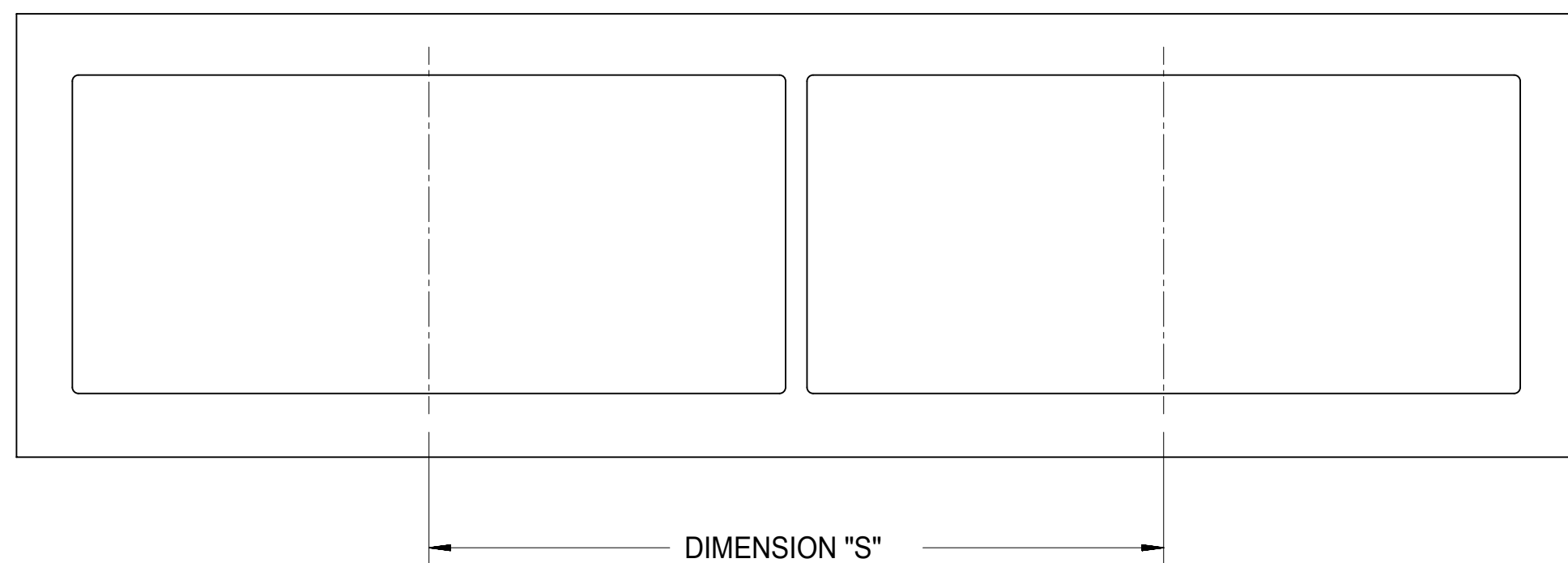
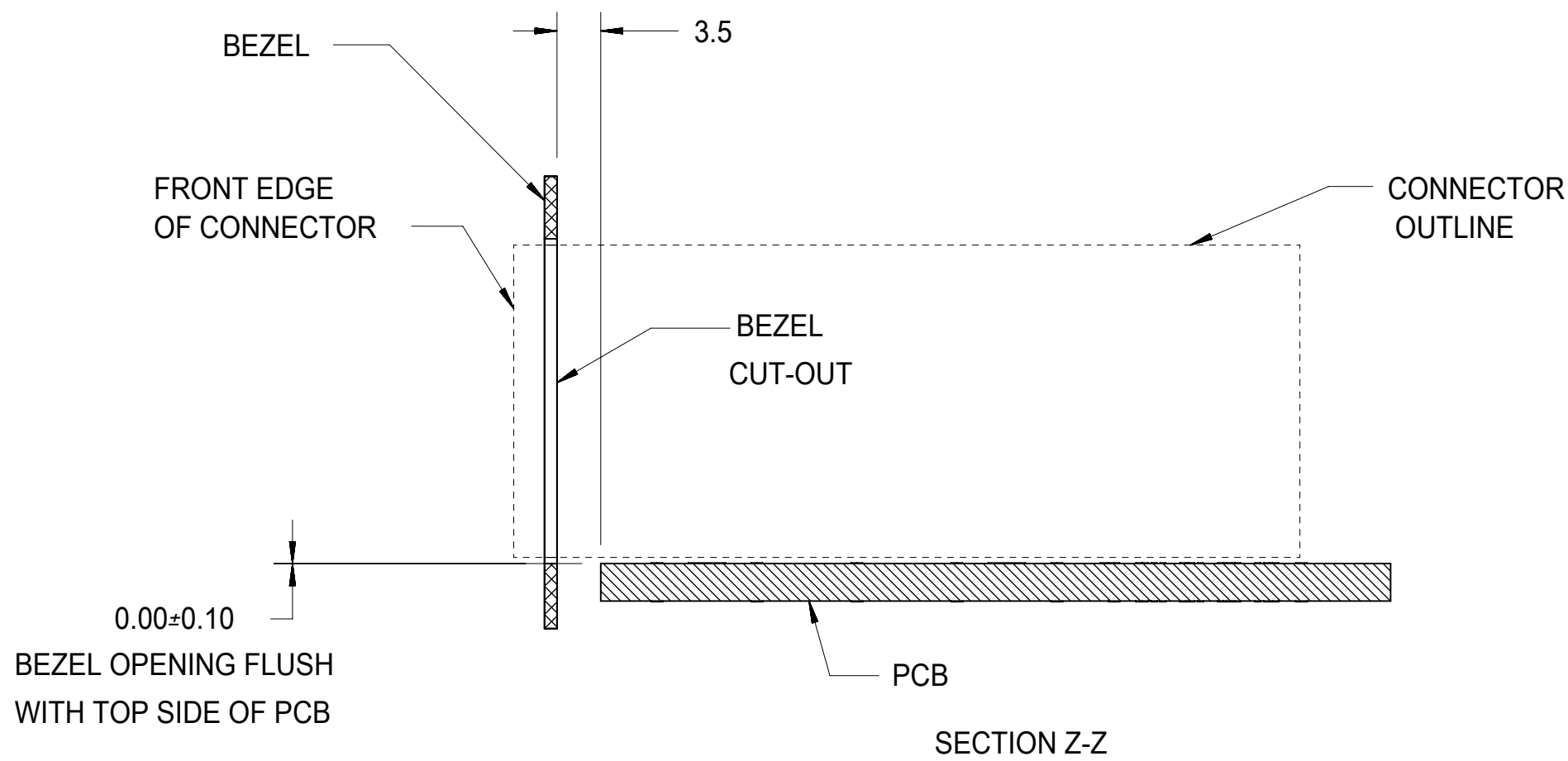
- CROSS HATCHED AREAS UNDER THE CONNECTOR ARE TRACE AND VIA KEEP-OUT AREAS.
- REMAINING AREA UNDER THE CONNECTOR HAS A NOMINAL CLEARANCE OF 0.5 AND IS CONSIDERED A COMPONENT KEEP-OUT AREA.

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

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



BEZEL CUT-OUT DETAIL
BEZEL THICKNESS 0.8 TO 2.6



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

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

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