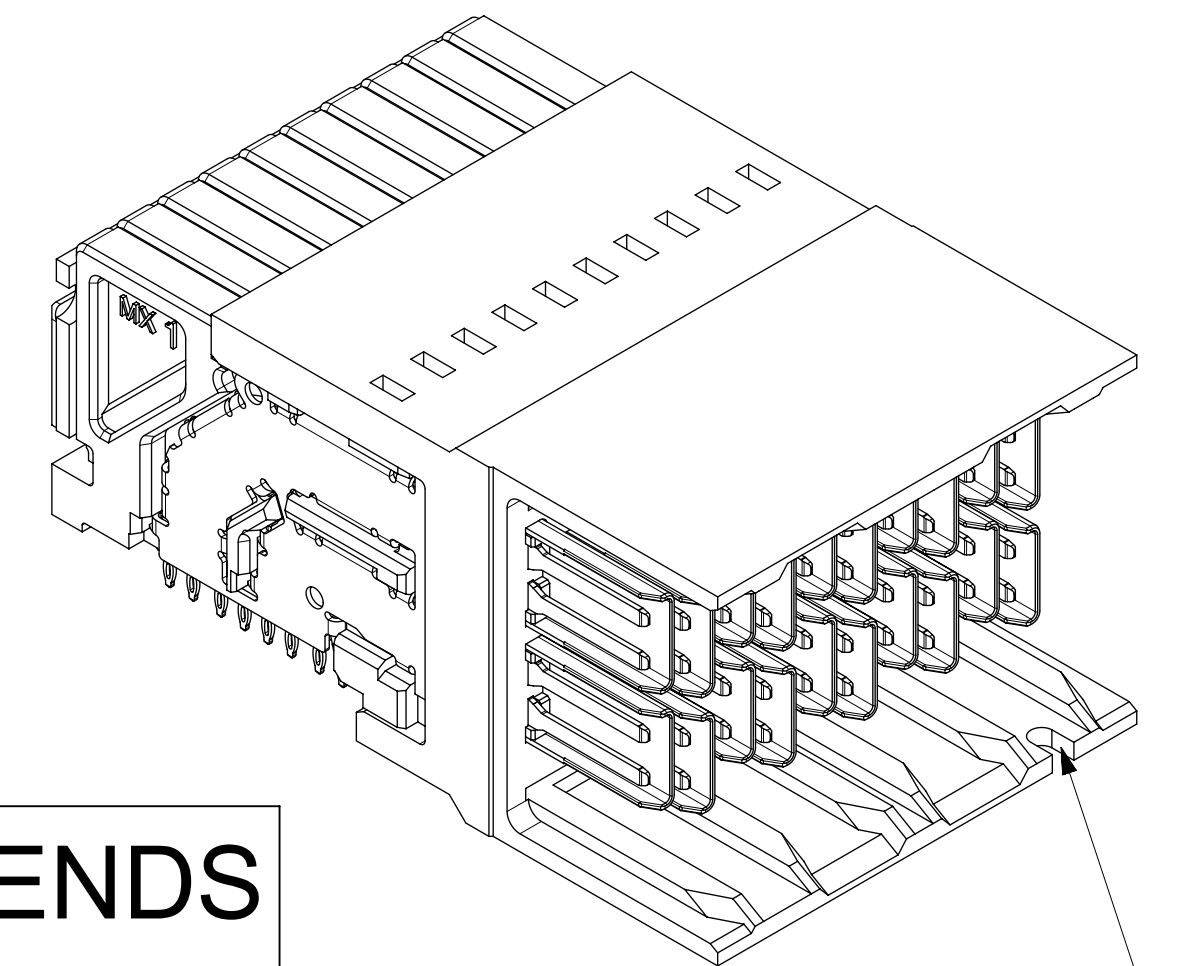


- NOTES:
- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
  - FINISH: 10μIN GOLD IN CONTACT AREA.  
SELECTIVE TIN ON PCB TAILS.  
NICKEL OVERALL.
  - REFER TO MOLEX PRODUCT SPECIFICATION PS-171320-999 FOR PERFORMANCE SPECIFICATIONS.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
  - PRODUCT WILL BE PACKAGED PER PDD 1723908888.
  - SEE SHEET 2 FOR PCB LAYOUT AND MATING BOARD RELATIONSHIP.
  - MATES WITH IMPEL DAUGHTERCARD SERIES NUMBER 171750 (UNGUIDED).
  - REFER TO IMPEL PCB ROUTING GUIDE AS-171320-990 FOR ANTIPAD, ROUTING RECOMMENDATIONS, AND ADDITIONAL PCB INFORMATION.
  - WHEN STACKING MODULES END TO END, THE MINIMUM COLUMN TO COLUMN HOLE SPACING IS 2.65mm.
  - TO ADD ADDITIONAL SPACING OF 1.40mm FOR EACH PLASTIC WALL WHEN STACKING MODULES WITH WALLS.



**OPEN ENDS  
OPTION**

NOTCH INDICATES  
ROW A

QUALITY 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											
	MIGRATED TO NX		2017/12/20		2018/01/23		2018/01/23		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE
	EC NO: 170113		DRWN: VK10		CHKD: DWLEED1		APPR: DWLEED1		ANGULAR TOL ± 0.5 °		MM ONLY	4:1
	4 PLACES ±		3 PLACES ±		2 PLACES ± 0.13		1 PLACE ± 0.25		0 PLACES ±		DRWN BY	DATE
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C		THIRD ANGLE PROJECTION		JLAURX		2014/01/03		CHKD BY	DATE
	YLLIM		APPR BY		DATE		JLAURX		2014/01/06		PRODUCT CUSTOMER DRAWING	
	SERIES		MATERIAL NUMBER		CUSTOMER		172390		SEE CHART		GENERAL MARKET	
	DOCUMENT NUMBER		DOC TYPE		DOC PART		SD-172390-0001		PSD		001	
	SHEET NUMBER		1 OF 5									

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "P"
172390-1107	10	20	19.75 MAX	17.10	4.90
172390-1207	12	24	23.55 MAX	20.90	4.90
172390-1407	14	28	27.35 MAX	24.70	4.90
172390-1607	16	32	31.15 MAX	28.50	4.90
172390-1108	10	20	19.75 MAX	17.10	5.50
172390-1208	12	24	23.55 MAX	20.90	5.50
172390-1408	14	28	27.35 MAX	24.70	5.50
172390-1608	16	32	31.15 MAX	28.50	5.50

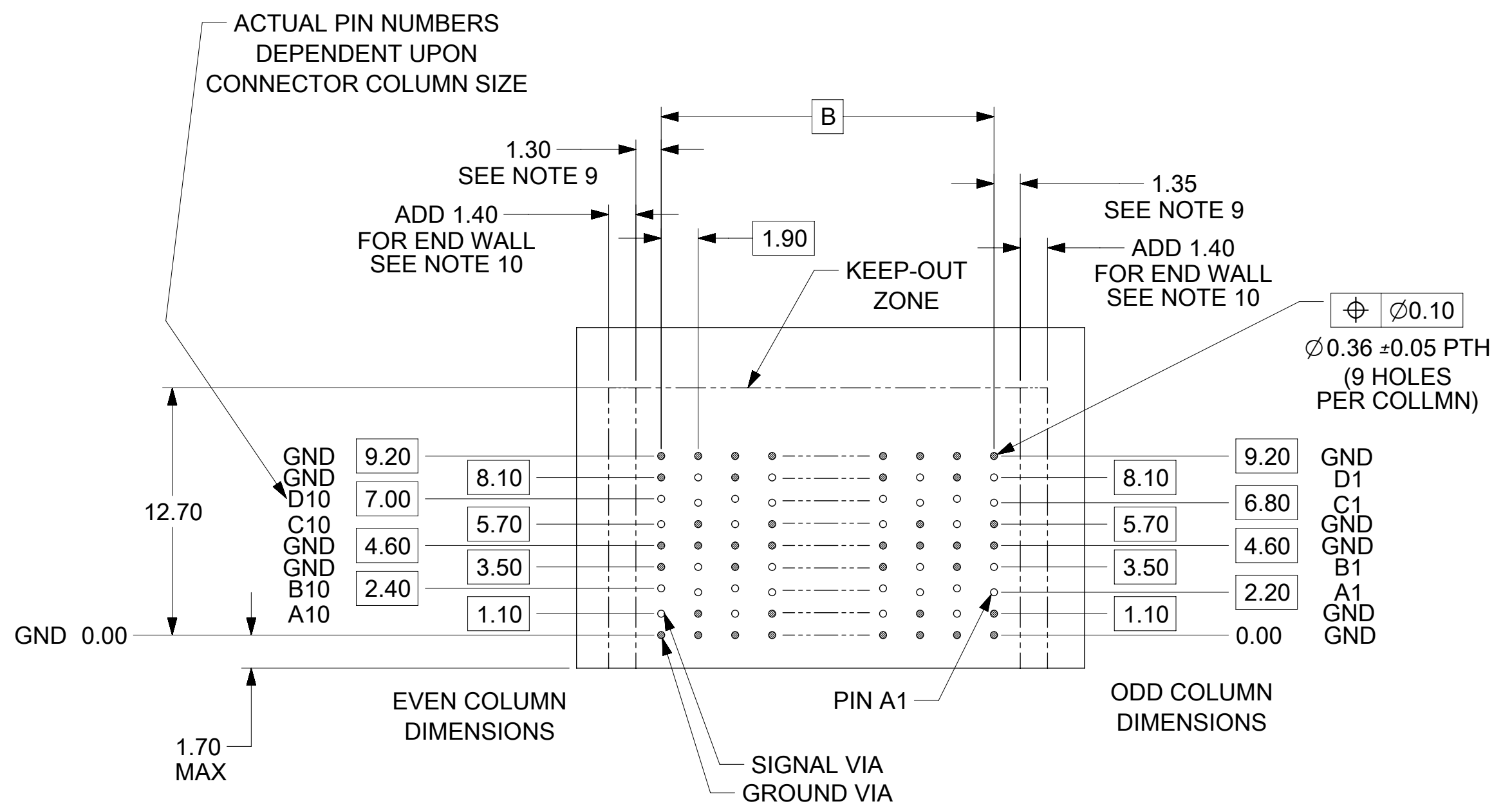
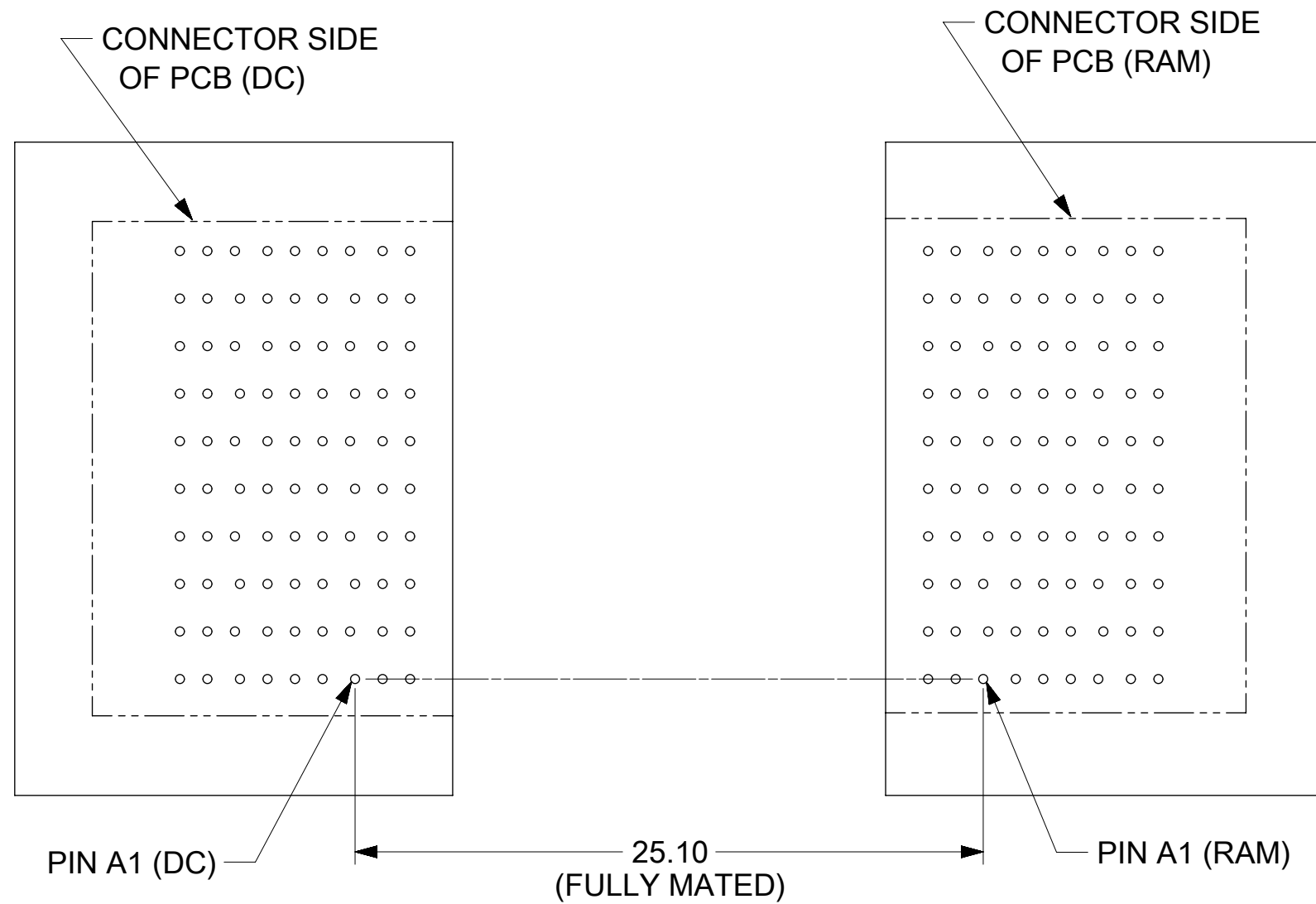
172390-1 \* \* \*

MODULE TYPE  
1 = UNGUIDED

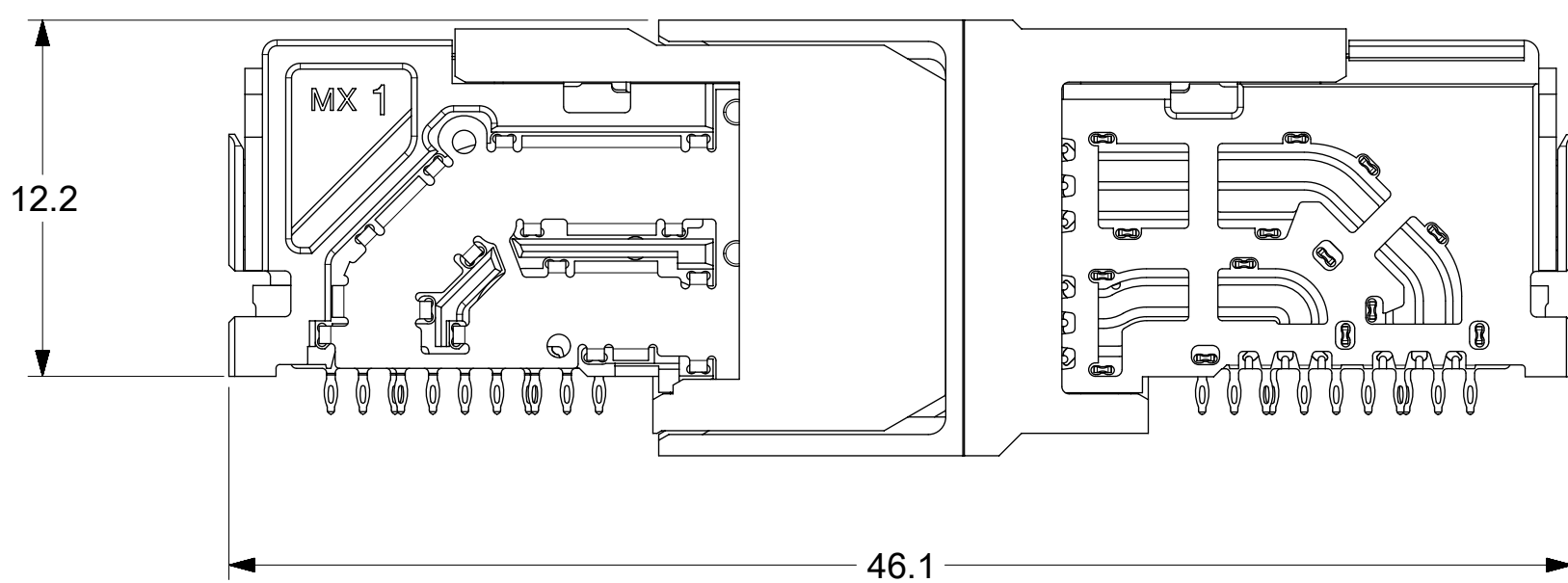
PIN LENGTH (P)  
7 = 4.90mm  
8 = 5.50mm

COLUMN SIZE  
1 = 10 COLUMN  
2 = 12 COLUMN  
4 = 14 COLUMN  
6 = 16 COLUMN

HOUSING STYLE  
0 = OPEN ENDS  
1 = LEFT END WALL  
2 = DUAL END WALL  
3 = RIGHT END WALL

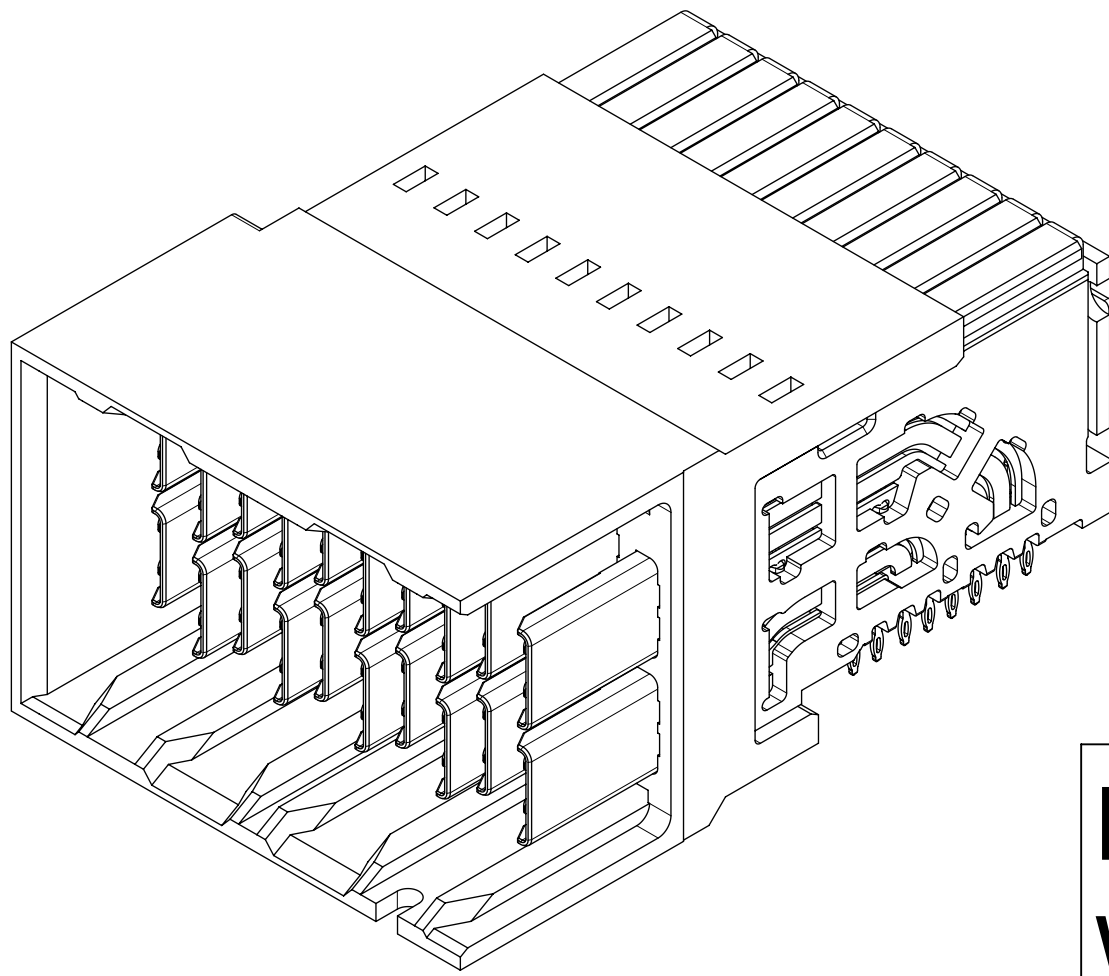


RAM HOLE PATTERN  
(CONNECTOR SIDE)



QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIMENSION UNITS	SCALE	<b>molex</b>
▽ = 0	2017/12/20	2018/01/23	MM ONLY	4:1	
▽ = 0	DRWN: VK10	CHKD: DWLEED1	GENERAL TOLERANCES (UNLESS SPECIFIED)	DRWN BY	DATE
▽ = 0	2018/01/23	2018/01/23	ANGULAR TOL ± 0.5 °	JLAURX	2014/01/03
▽ = 0	MIGRATED TO NX	REV: APPR: DWLEED1	4 PLACES ±	CHK'D BY	DATE
▽ = 0	EC NO: 170113	2018/01/23	3 PLACES ±	YLLIM	
▽ = 0	DRWN: VK10	2018/01/23	2 PLACES ± 0.13	APPR BY	DATE
▽ = 0	CHKD: DWLEED1	2018/01/23	1 PLACE ± 0.25	JLAURX	2014/01/06
▽ = 0	REV: APPR: DWLEED1	2018/01/23	0 PLACES ±	DRAWING SIZE	THIRD ANGLE PROJECTION
▽ = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	C	
□ = 0				SERIES	MATERIAL NUMBER
■ = 0				172390	SEE CHART
▽ = 0				CUSTOMER	GENERAL MARKET
				DOCUMENT NUMBER	DOC TYPE
				SD-172390-0001	PSD
				DOC PART	SHEET NUMBER
				001	2 OF 5

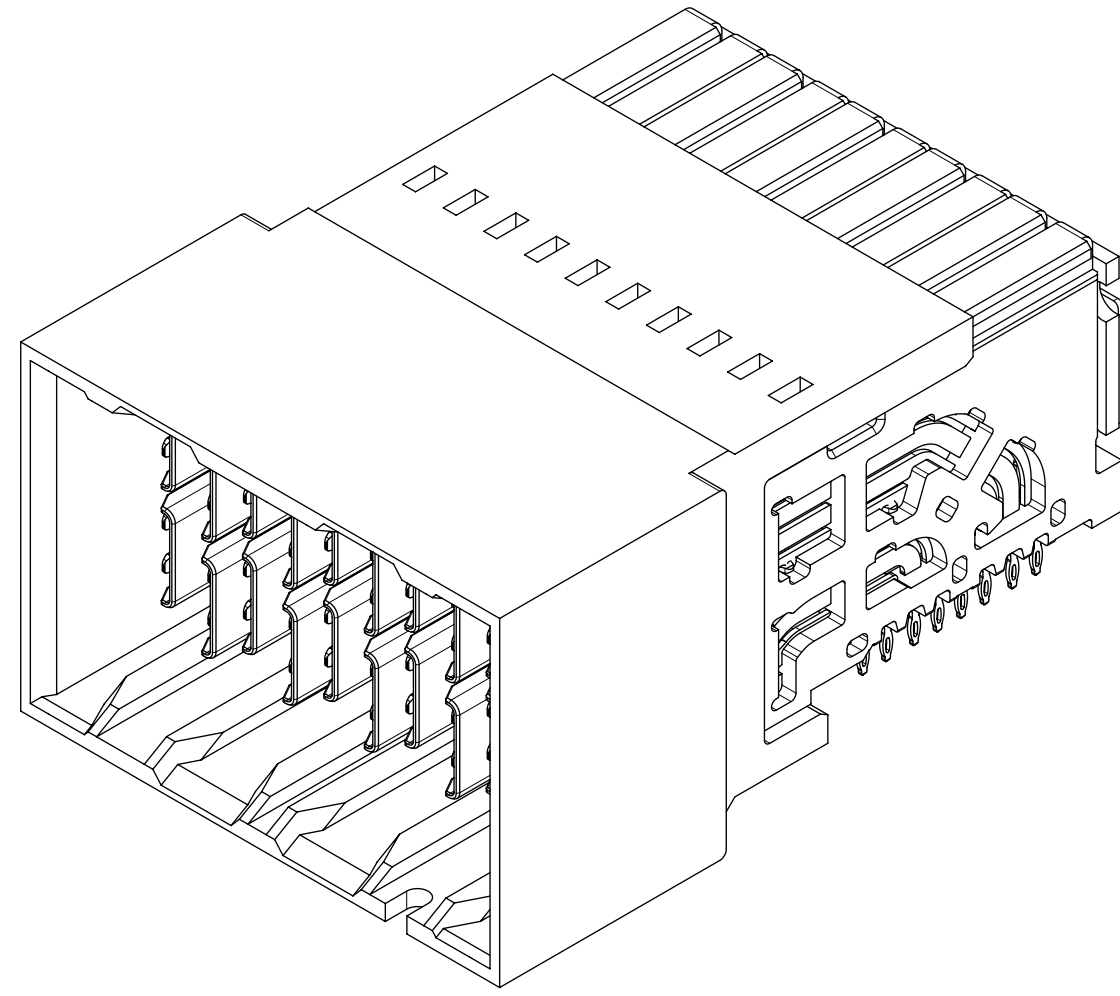
MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "P"
172390-1117	10	20	21.15 MAX	17.10	4.90
172390-1217	12	24	24.95 MAX	20.90	4.90
172390-1417	14	28	28.75 MAX	24.70	4.90
172390-1617	16	32	32.55 MAX	28.50	4.90
172390-1118	10	20	21.15 MAX	17.10	5.50
172390-1218	12	24	24.95 MAX	20.90	5.50
172390-1418	14	28	28.75 MAX	24.70	5.50
172390-1618	16	32	32.55 MAX	28.50	5.50



**LEFT END  
WALL OPTION**

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
▽ = 0	MIGRATED TO NX EC NO: 170113 DRWN: VK10 CHKD: DWLEE01 REV / APPR: DWLEE01	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE						
▽ = 0		ANGULAR TOL ± 0.5 °		MM ONLY		4:1						
▽ = 0		4 PLACES ±		DRWN BY		DATE		<b>IMPEL 2 PAIR RIGHT ANGLE MALE (RAM) UNGUIDED SALES DRAWING</b>				
▼ = 0		3 PLACES ±		JLAURX		2014/01/03						
▽ = 0		2 PLACES ± 0.13		CHKD BY		DATE		<b>PRODUCT CUSTOMER DRAWING</b>				
▽ = 0		1 PLACE ± 0.25		YLLIM		DATE						
⊠ = 0		0 PLACES ±		APPR BY		DATE		SERIES MATERIAL NUMBER CUSTOMER 172390 SEE CHART GENERAL MARKET				
■ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		JLAURX		2014/01/06						
▽ = 0		A	DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER		DOC TYPE		DOC PART SHEET NUMBER	
			C				SD-172390-0001		PSD		001 3 OF 5	

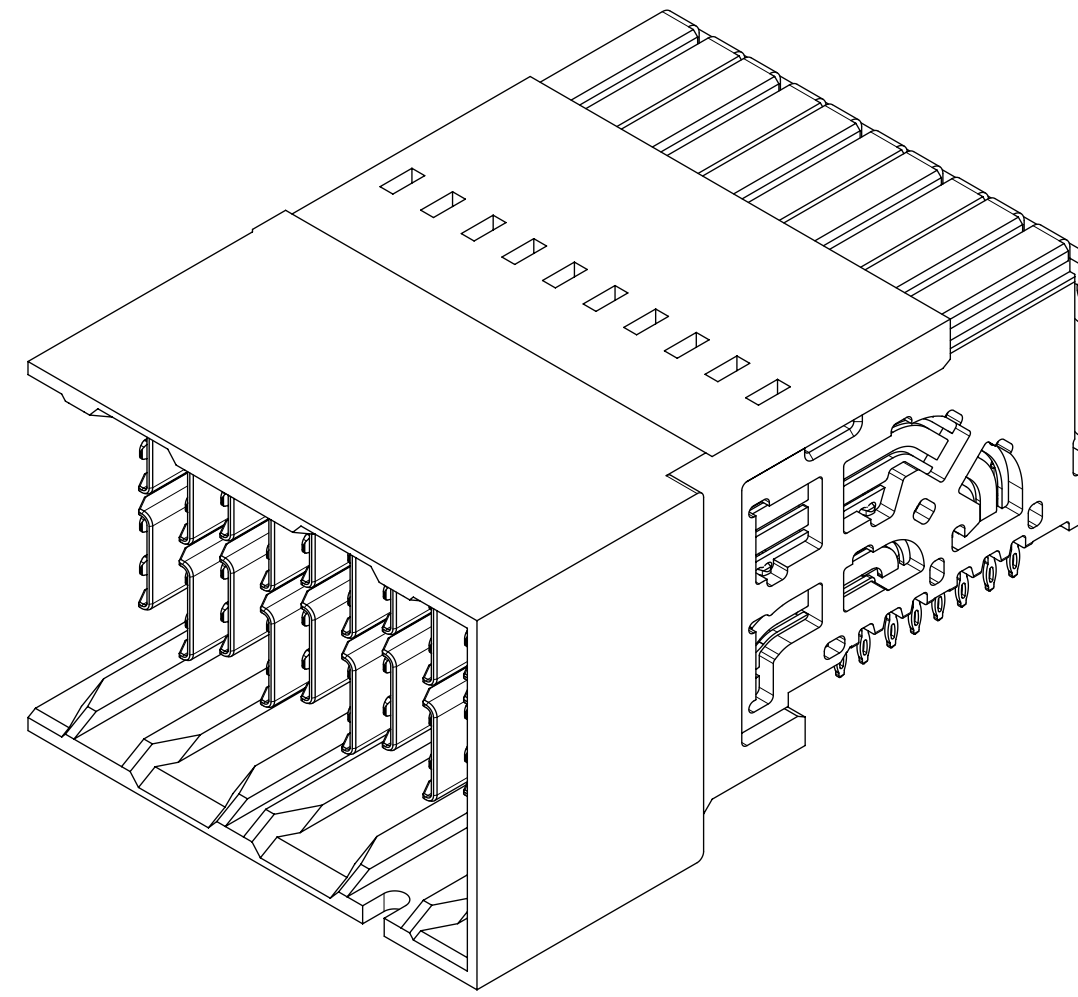
MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "P"
172390-1127	10	20	22.55 MAX	17.10	4.90
172390-1227	12	24	26.35 MAX	20.90	4.90
172390-1427	14	28	30.15 MAX	24.70	4.90
172390-1627	16	32	33.95 MAX	28.50	4.90
172390-1128	10	20	22.55 MAX	17.10	5.50
172390-1228	12	24	26.35 MAX	20.90	5.50
172390-1428	14	28	30.15 MAX	24.70	5.50
172390-1628	16	32	33.95 MAX	28.50	5.50



**DUAL END  
WALL OPTION**

<b>QUALITY SYMBOLS</b> 	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	<b>MIGRATED TO NX</b> EC NO: 170113 DRWN: VK10 CHKD: DWLEED1 REV / APPR: DWLEED1	2017/12/20	2018/01/23	2018/01/23	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> ANGULAR TOL ± 0.5 °		DIMENSION UNITS: <b>MM ONLY</b> SCALE: <b>4:1</b>				
		DRWN BY: <b>JLAURX</b> DATE: <b>2014/01/03</b>		CHKD BY: <b>YLLIM</b> DATE:		APPR BY: <b>JLAURX</b> DATE: <b>2014/01/06</b>					
		4 PLACES ±		3 PLACES ±		2 PLACES ± 0.13		1 PLACE ± 0.25		0 PLACES ±	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE: <b>C</b>		THIRD ANGLE PROJECTION		<b>PRODUCT CUSTOMER DRAWING</b>			
		SERIES: <b>172390</b> MATERIAL NUMBER: <b>SEE CHART</b> CUSTOMER: <b>GENERAL MARKET</b>		DOCUMENT NUMBER: <b>SD-172390-0001</b>		DOC TYPE: <b>PSD</b> DOC PART: <b>001</b>		SHEET NUMBER: <b>4 OF 5</b>			

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "P"
172390-1137	10	20	21.15 MAX	17.10	4.90
172390-1237	12	24	24.95 MAX	20.90	4.90
172390-1437	14	28	28.75 MAX	24.70	4.90
172390-1637	16	32	32.55 MAX	28.50	4.90
172390-1138	10	20	21.15 MAX	17.10	5.50
172390-1238	12	24	24.95 MAX	20.90	5.50
172390-1438	14	28	28.75 MAX	24.70	5.50
172390-1638	16	32	32.55 MAX	28.50	5.50



**RIGHT END  
WALL OPTION**

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
▽ = 0	MIGRATED TO NX EC NO: 170113 DRWN: VK10 CHKD: DWLEE01 REV / APPR: DWLEE01	2017/12/20 2018/01/23 2018/01/23	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	<b>molex</b> IMPEL 2 PAIR RIGHT ANGLE MALE (RAM) UNGUIDED SALES DRAWING					
▽ = 0			ANGULAR TOL ± 0.5 °		MM ONLY	4:1						
▽ = 0			4 PLACES ±		DRWN BY	DATE	JLAURX 2014/01/03		PRODUCT CUSTOMER DRAWING			
▼ = 0			3 PLACES ±		CHKD BY	DATE	YLLIM					
▽ = 0			2 PLACES ± 0.13		APPR BY	DATE	JLAURX 2014/01/06		SERIES	MATERIAL NUMBER	CUSTOMER	
▽ = 0			1 PLACE ± 0.25		DRAWING SIZE		THIRD ANGLE PROJECTION	172390		SEE CHART	GENERAL MARKET	
☒ = 0			0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C	SD-172390-0001		DOC TYPE	DOC PART	SHEET NUMBER
■ = 0			0 PLACES ±					PSD		001	5 OF 5	
▽ = 0												
▽ = 0												