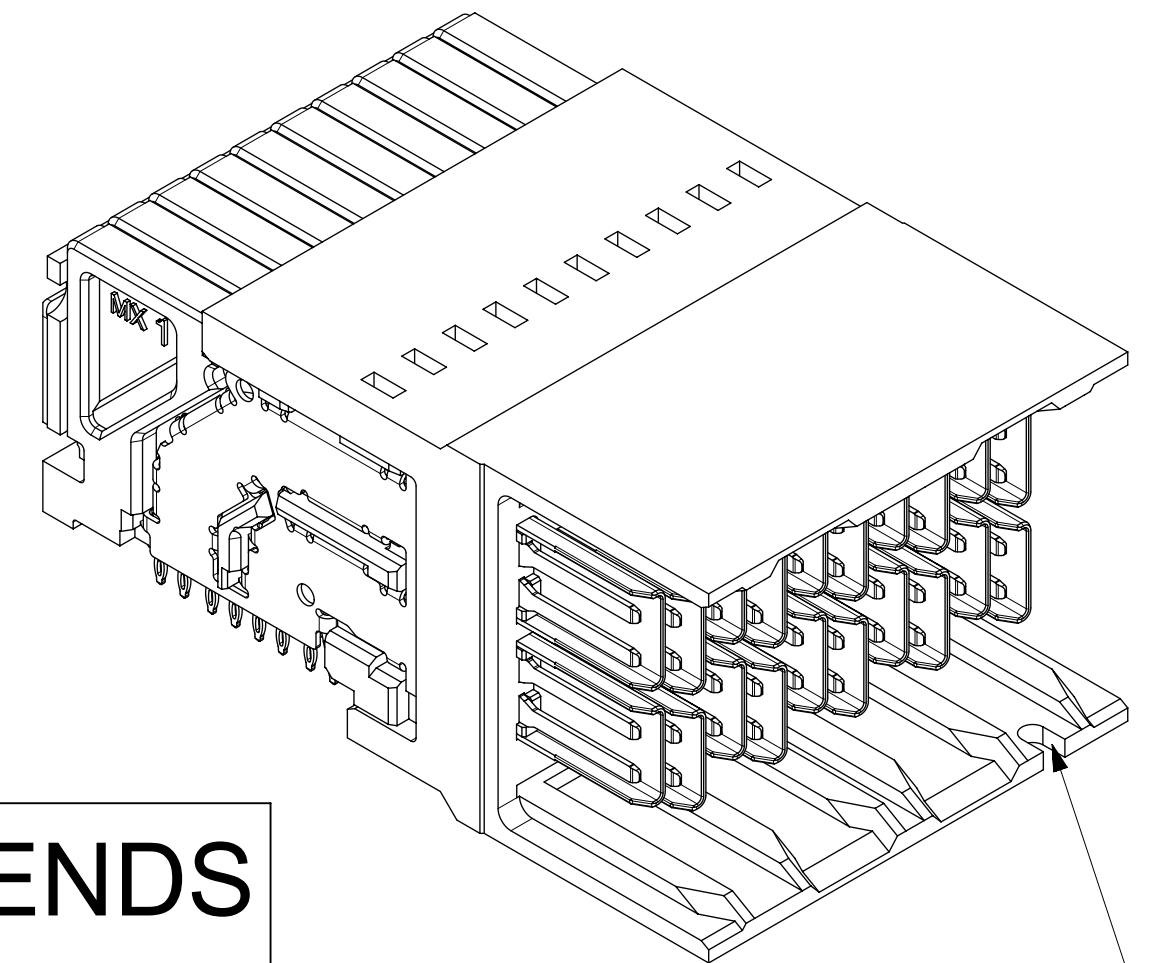


- NOTES:
- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
 - FINISH: 10μIN GOLD IN CONTACT AREA.
SELECTIVE TIN ON PCB TAILS.
NICKEL OVERALL.
 - REFER TO MOLEX PRODUCT SPECIFICATION PS-171320-999 FOR PERFORMANCE SPECIFICATIONS.
 - THIS 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	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	▽ = 0 ▽ = 0 ▽ = 0 ▼ = 0 ▽ = 0 ⊠ = 0 ■ = 0 ▽ = 0	EC NO: 170113 DRWN: VK10 CHKD: DWLEED1 APPR: DWLEED1	2017/12/20 2018/01/23 2018/01/23	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE				
ANGULAR TOL ± 0.5 °				MM ONLY	4:1						
MIGRATED TO NX		4 PLACES ±		JLAURX		DATE		IMPEL 2 PAIR			
		3 PLACES ±		CHKD BY		DATE		RIGHT ANGLE MALE (RAM) UNGUIDED SALES			
		2 PLACES ± 0.13		YLLIM				DRAWING			
		1 PLACE ± 0.25		APPR BY		DATE		PRODUCT CUSTOMER DRAWING			
		0 PLACES ±		JLAURX		2014/01/06		SERIES MATERIAL NUMBER CUSTOMER			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		172390 SEE CHART		GENERAL MARKET	
				C				DOCUMENT NUMBER		DOC TYPE DOC PART SHEET NUMBER	
								SD-172390-0001		PSD 001 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

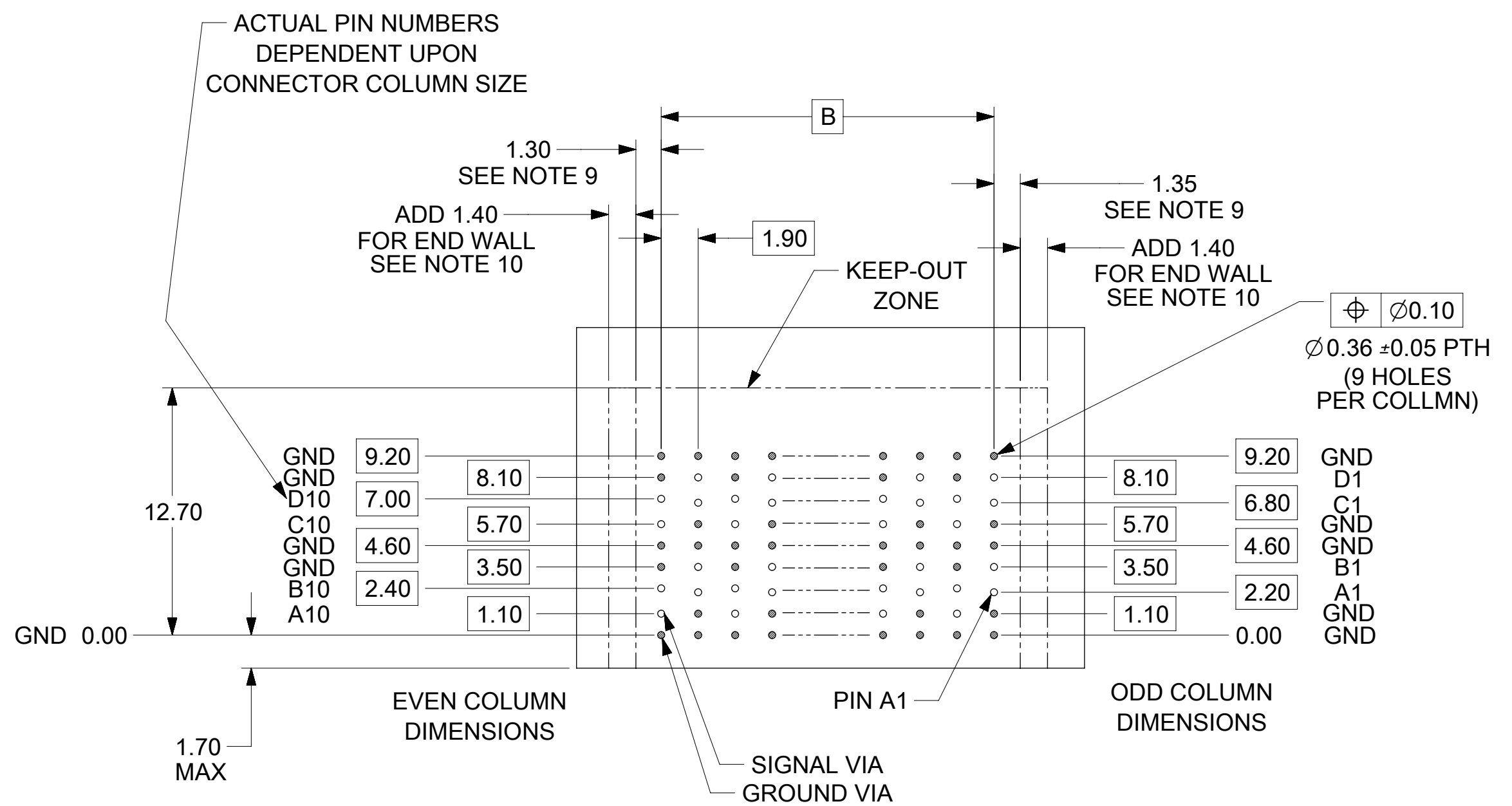
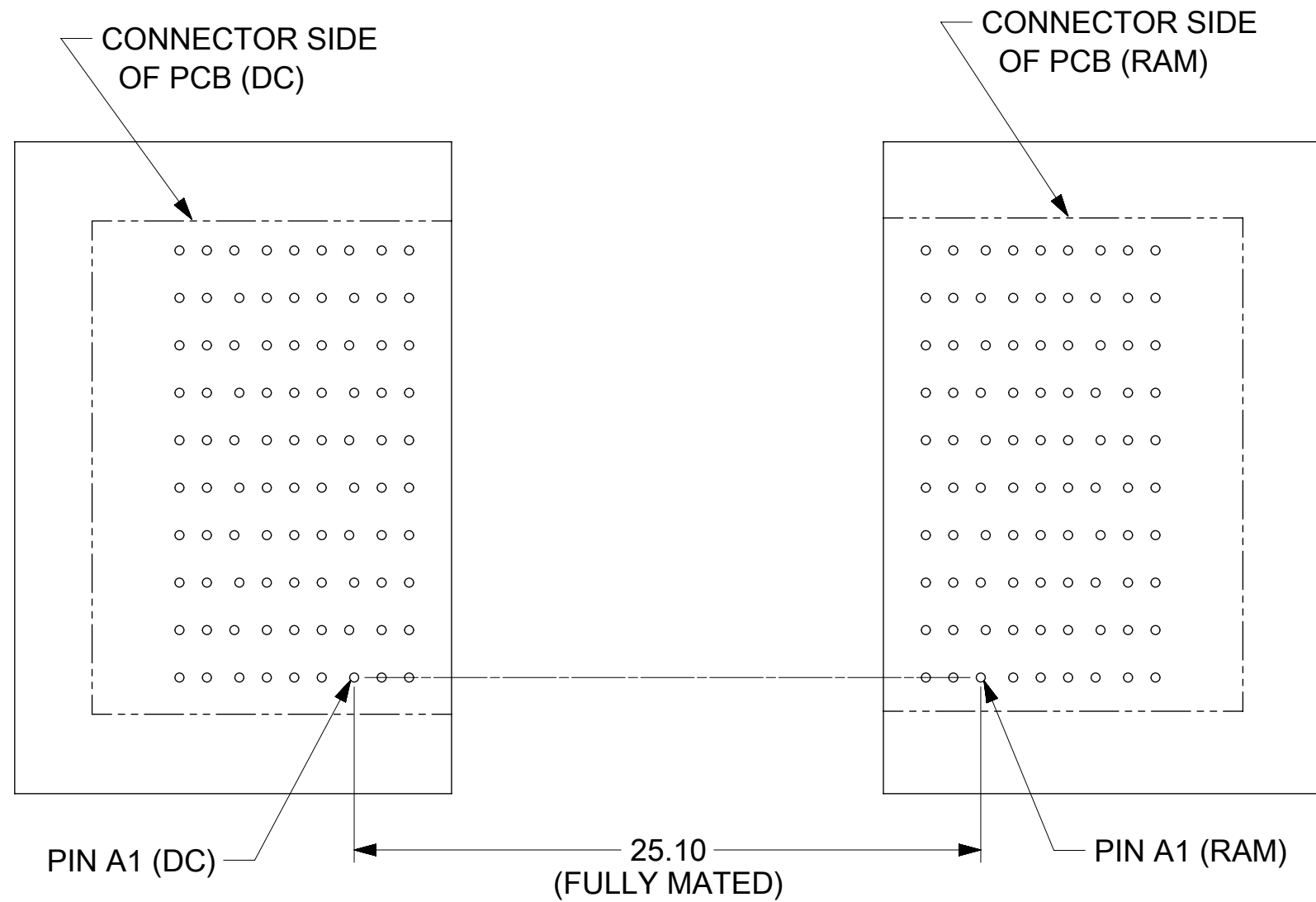
172390-1 * * *

MODULE TYPE
1 = UNGUIDED

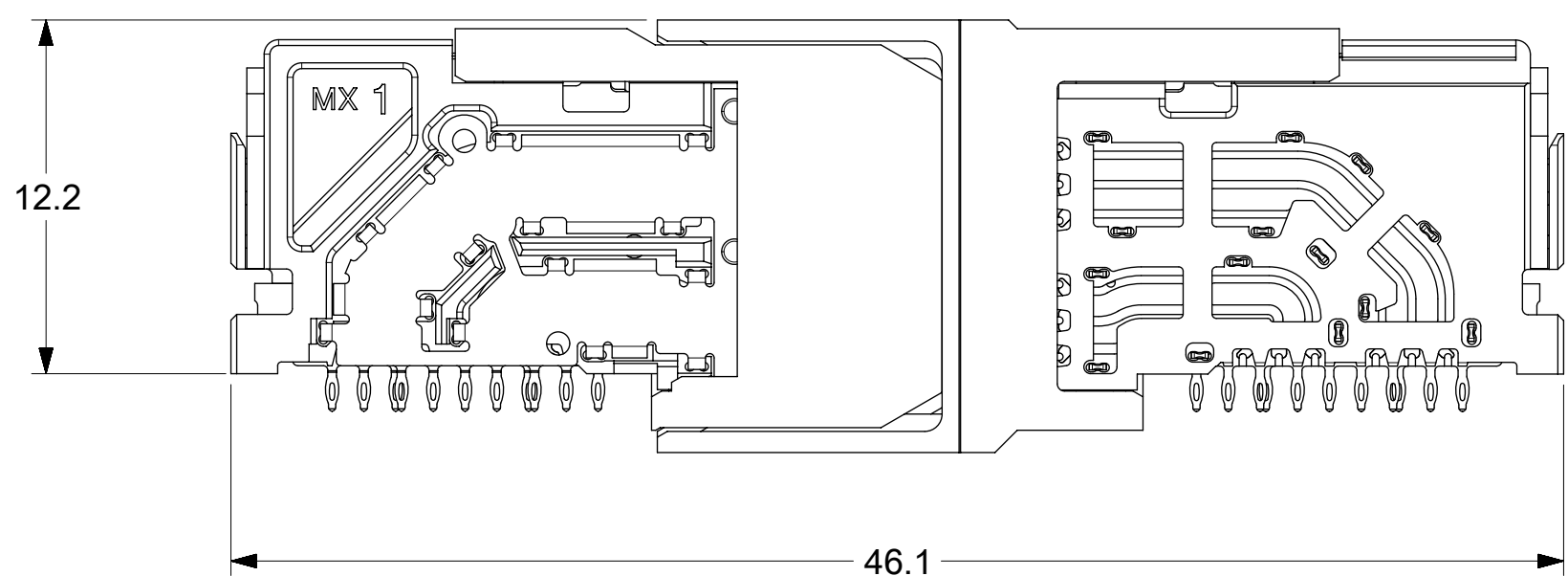
PIN LENGTH (P)
7 = 4.90mm
8 = 5.50mm

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

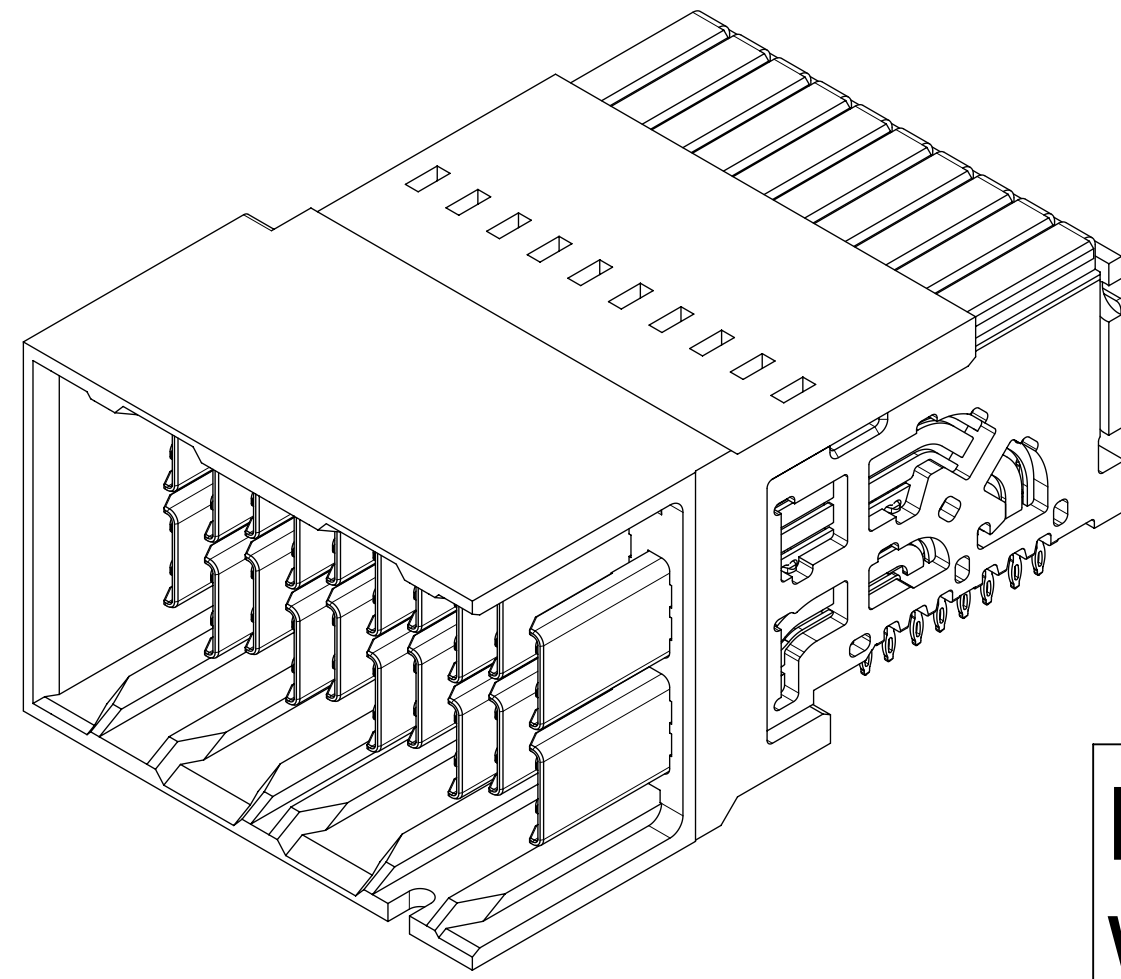


RAM HOLE PATTERN
(CONNECTOR SIDE)



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	molex
▽ = 0	2017/12/20	GENERAL TOLERANCES (UNLESS SPECIFIED)	MM ONLY	4:1	
▽ = 0	2018/07/23	ANGULAR TOL ± 0.5 °	DRWN BY	DATE	IMPEL 2 PAIR RIGHT ANGLE MALE (RAM) UNGUIDED SALES DRAWING
▽ = 0	2018/01/23	4 PLACES ±	JLAURX	2014/01/03	
▼ = 0	MIGRATED TO NX EC NO: 170113 DRWN: VK10 CHKD: DWLEED1 REV: APPR: DWLEED1	3 PLACES ±	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING
▽ = 0		2 PLACES ± 0.13	YLLIM		
▽ = 0		1 PLACE ± 0.25	APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER 172390 SEE CHART GENERAL MARKET
☒ = 0		0 PLACES ±	JLAURX	2014/01/06	
■ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER
▽ = 0	A	C			

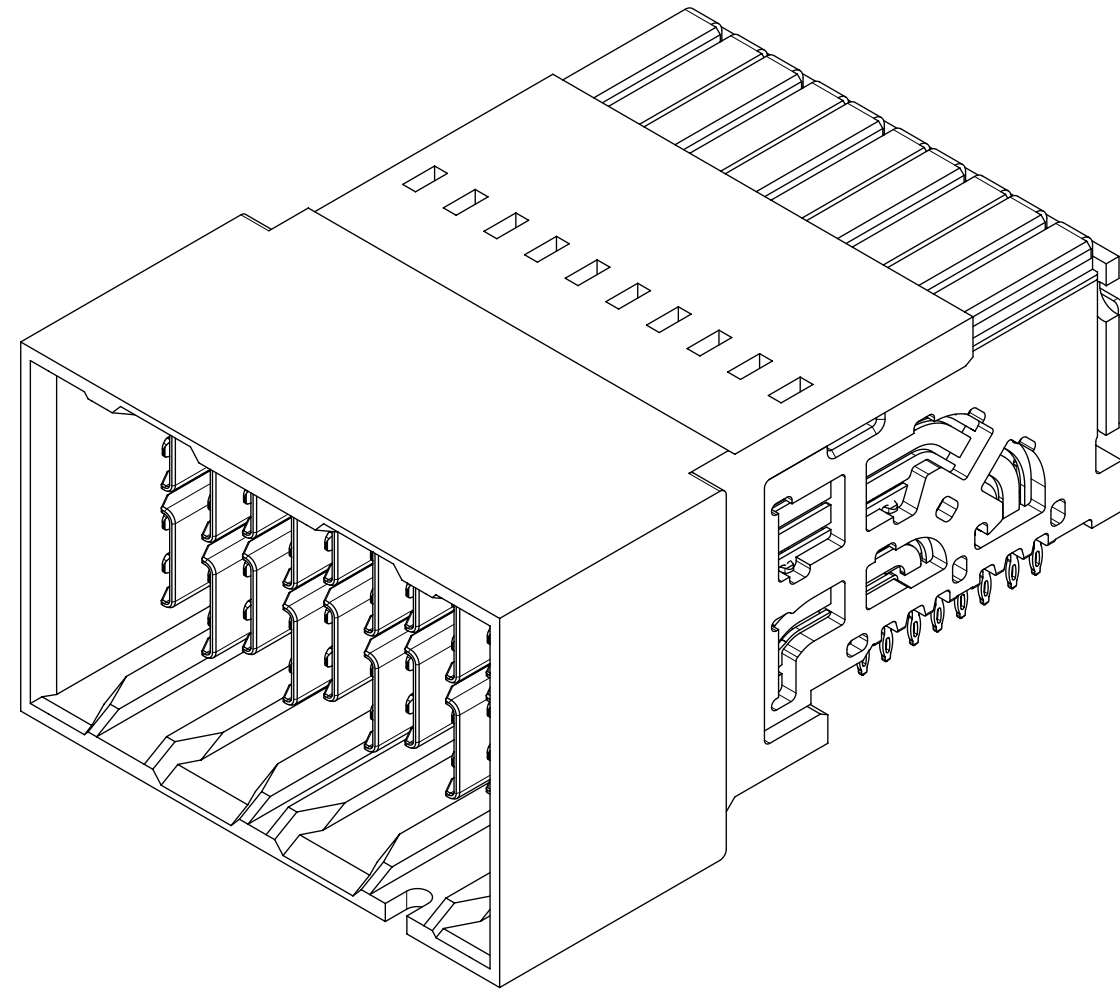
MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "P"
172390-1117	10	20	21.15 MAX	17.10	4.90
172390-1217	12	24	24.95 MAX	20.90	4.90
172390-1417	14	28	28.75 MAX	24.70	4.90
172390-1617	16	32	32.55 MAX	28.50	4.90
172390-1118	10	20	21.15 MAX	17.10	5.50
172390-1218	12	24	24.95 MAX	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 = 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 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	 IMPEL 2 PAIR RIGHT ANGLE MALE (RAM) UNGUIDED SALES DRAWING				
		ANGULAR TOL ± 0.5 °			MM ONLY	4:1					
		4 PLACES ±			DRWN BY	DATE	PRODUCT CUSTOMER DRAWING SERIES MATERIAL NUMBER CUSTOMER 172390 SEE CHART GENERAL MARKET DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER SD-172390-0001 PSD 001 3 OF 5				
		3 PLACES ±			JLAURX	2014/01/03					
		2 PLACES ± 0.13			CHKD BY	DATE					
	1 PLACE ± 0.25			YLLIM	DATE	THIRD ANGLE PROJECTION 					
	0 PLACES ±			JLAURX	2014/01/06						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE	C						

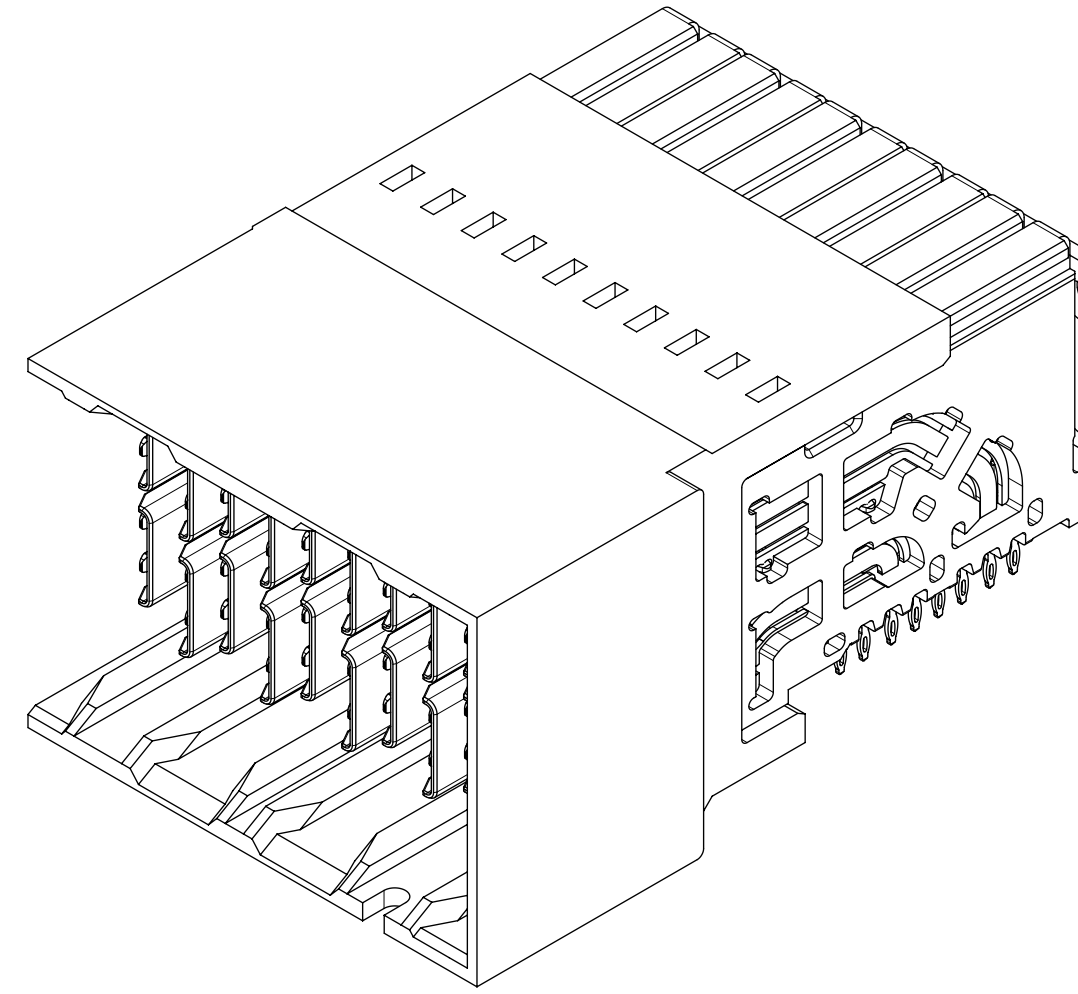
MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "P"
172390-1127	10	20	22.55 MAX	17.10	4.90
172390-1227	12	24	26.35 MAX	20.90	4.90
172390-1427	14	28	30.15 MAX	24.70	4.90
172390-1627	16	32	33.95 MAX	28.50	4.90
172390-1128	10	20	22.55 MAX	17.10	5.50
172390-1228	12	24	26.35 MAX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

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

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										
	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) ANGULAR TOL ± 0.5 °		DIMENSION UNITS MM ONLY	SCALE 4:1			
		4 PLACES	±	DRWN BY JLAURX		DATE 2014/01/03					
		3 PLACES	±	CHK'D BY YLLIM		DATE 					
		2 PLACES	± 0.13	APPR BY JLAURX		DATE 2014/01/06					
		1 PLACE	± 0.25	DRAWING SIZE C		THIRD ANGLE PROJECTION 					
	0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SERIES 172390	MATERIAL NUMBER SEE CHART	CUSTOMER GENERAL MARKET				
	RELEASE STATUS P1		RELEASE DATE 2018/01/23		15:55:48		DOCUMENT NUMBER SD-172390-0001		DOC TYPE PSD	DOC PART 001	SHEET NUMBER 5 OF 5