

PRE-RELEASE  
REFERENCE  
USE ONLY

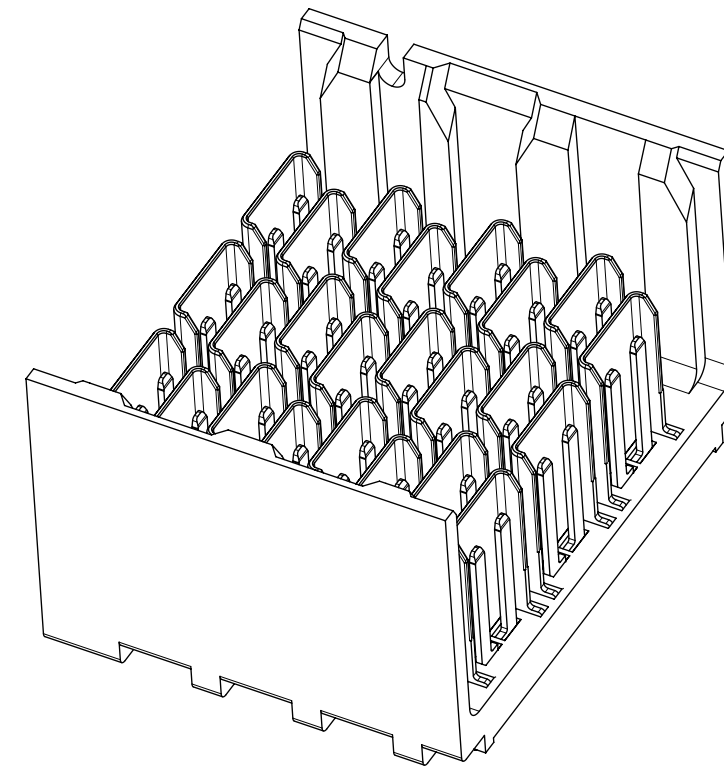
NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30uIN GOLD IN CONTACT AREA.  
SELECTIVE TIN ON PCB TAILS.  
NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-171320-999 FOR PERFORMANCE SPECIFICATIONS.
4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
5. PRODUCT WILL BE PACKAGED PER PK-78888-082 EXCEPT FOR P/N 171335-1807 & 171335-1808 TO BE PACKAGED PER 1713351807-PK.
6. SEE SHEETS 2 AND 6 FOR HOLE PATTERN AND MATED PART DIMENSIONS.
7. MATES WITH IMPEL DC SERIES NUMBER 171990.
8. REFER TO IMPEL PCB ROUTING GUIDE AS-171320-990 FOR ANTIPAD, ROUTING RECOMMENDATIONS, AND ADDITIONAL PCB INFORMATION.
9. WHEN STACKING MODULES END TO END, THE MINIMUM COLUMN TO COLUMN SPACING IS 2.65mm.

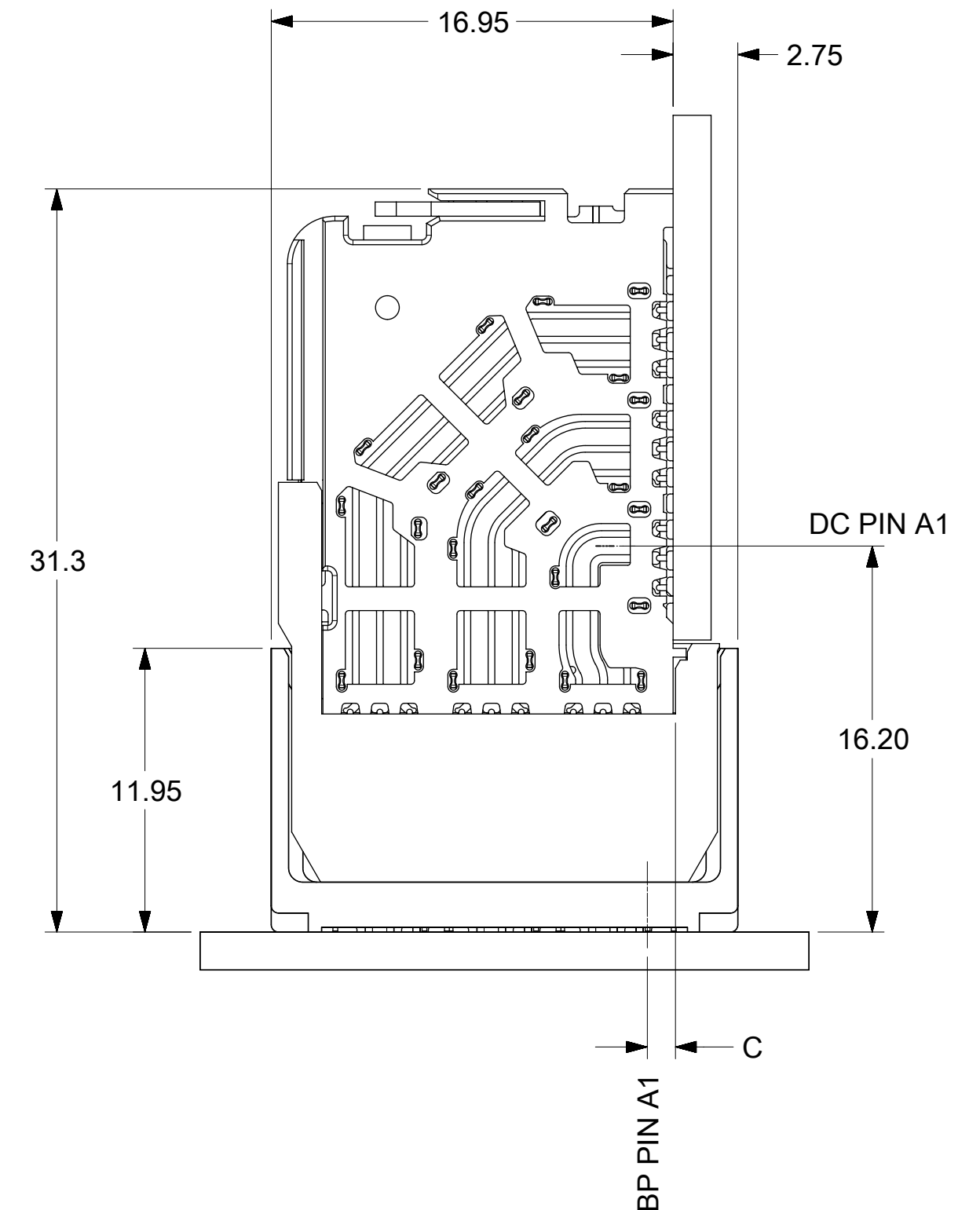
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE PK SPEC					
mm		NTS		<p>IMPEL 3 PAIR BACKPLANE UNGUIDED ASSEMBLY SALES DRAWING</p> <p>PRODUCT CUSTOMER DRAWING</p>					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		± 0.5°							
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.13		EC NO: 625604		2019/04/08		DRWN: HLG0H	
1 PLACE		± 0.25		CHK'D: HLG0H		2019/10/18		APPR:	
0 PLACES		±		INITIAL REVISION:		2011/12/16		DRWN: JLAURX	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				C-SIZE		171335		SEE TABLE	
DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
SD-171335-0001				PSD		001		B	
CUSTOMER				SHEET NUMBER					
GENERAL MARKET				1 OF 6					

DOCUMENT STATUS	RV	RELEASE DATE	
12	11	10	9

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH $\phi$
171335-1307	6	18	12.00	9.50	1.20	4.90	0.36 $\pm$ 0.05
171335-1804	8	24	15.80	13.30	1.10	4.90	0.46 $\pm$ 0.05
171335-1805	8	24	15.80	13.30	1.10	5.50	0.46 $\pm$ 0.05
171335-1807	8	24	15.80	13.30	1.20	4.90	0.36 $\pm$ 0.05
171335-1808	8	24	15.80	13.30	1.20	5.50	0.36 $\pm$ 0.05
171335-1104	10	30	19.60	17.10	1.10	4.90	0.46 $\pm$ 0.05
171335-1105	10	30	19.60	17.10	1.10	5.50	0.46 $\pm$ 0.05
171335-1107	10	30	19.60	17.10	1.20	4.90	0.36 $\pm$ 0.05
171335-1108	10	30	19.60	17.10	1.20	5.50	0.36 $\pm$ 0.05



OPEN WALL OPTION



MATED PART DIMENSIONS

171335- 1 \* \* \*

MODULE TYPE  
1 = UNGUIDED

# OF COLUMNS  
8 = 8 COL  
1 = 10 COL  
3 = 6 COL

PIN LENGTH (P)  
4 = 4.90 (0.46 PTH)  
5 = 5.50 (0.46 PTH)  
7 = 4.90 (0.36 PTH)  
8 = 5.50 (0.36 PTH)

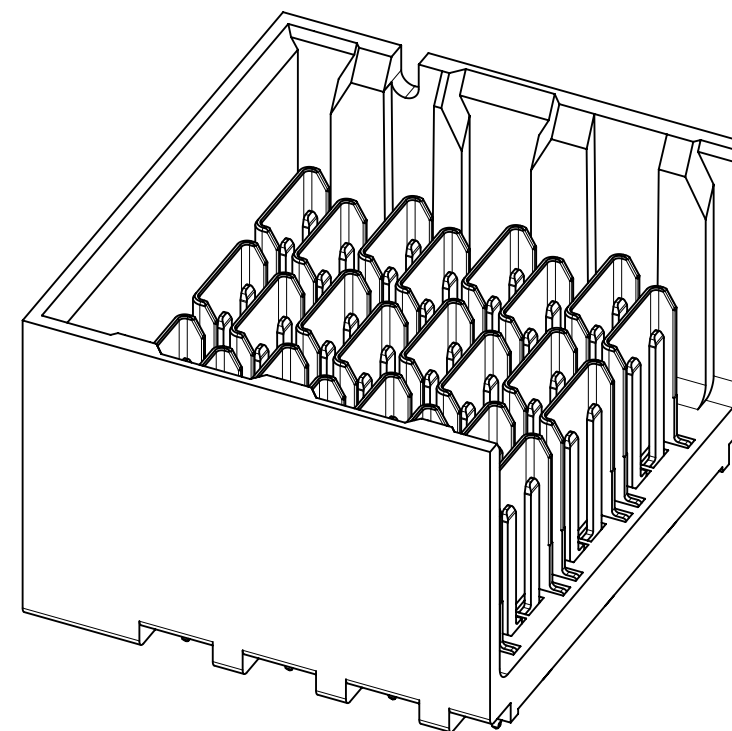
HOUSING STYLE  
0 = OPEN ENDS  
1 = LEFT END WALL  
2 = DUAL END WALL  
3 = RIGHT END WALL

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DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE PK SPEC					
mm		NTS		<p>IMPEL 3 PAIR BACKPLANE UNGUIDED ASSEMBLY SALES DRAWING</p> <p>PRODUCT CUSTOMER DRAWING</p>					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		$\pm 0.5^\circ$							
4 PLACES		$\pm$							
3 PLACES		$\pm$		EC NO: 625604		2019/04/08		DRWN: HLG0H	
2 PLACES		$\pm 0.13$		CHK'D: HLG0H		2019/10/18		APPR:	
1 PLACE		$\pm 0.25$		INITIAL REVISION:		2011/12/16		DRWN: JLAURX	
0 PLACES		$\pm$		APPR: JLAURX		2012/01/06		SERIES	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SHEET NUMBER	
						C-SIZE		171335	
DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		MATERIAL NUMBER	
SD-171335-0001		PSD		001		B		CUSTOMER	
SEE TABLE		GENERAL MARKET		SHEET NUMBER		2 OF 6			

DOCUMENT STATUS	RV	RELEASE DATE	
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MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH $\phi$
171335-1814	8	24	17.20	13.30	1.10	4.90	0.46±0.05
171335-1815	8	24	17.20	13.30	1.10	5.50	0.46±0.05
171335-1817	8	24	17.20	13.30	1.20	4.90	0.36±0.05
171335-1818	8	24	17.20	13.30	1.20	5.50	0.36±0.05



LEFT END WALL OPTION

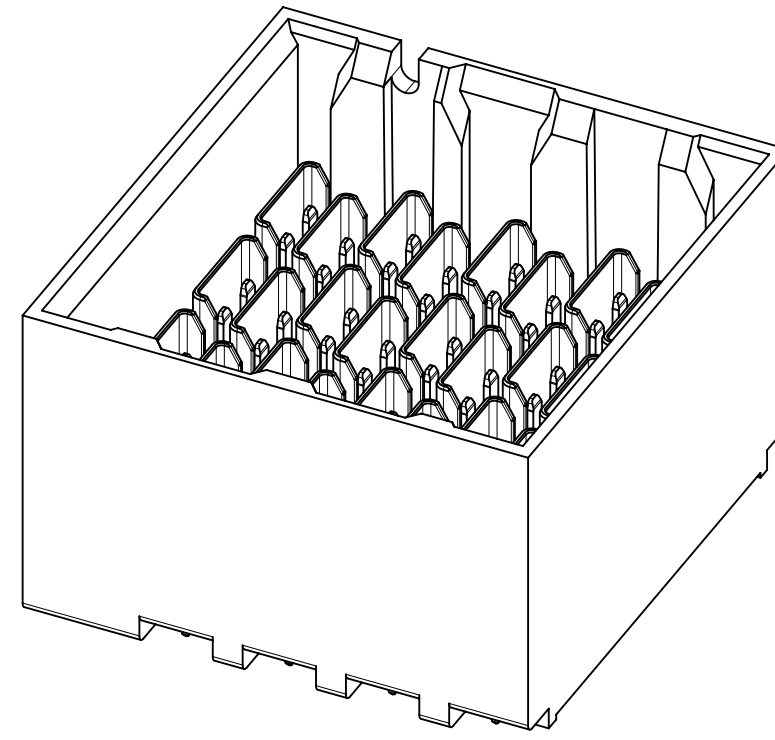
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DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE PK SPEC				<b>molex</b>					
mm		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 625604				IMPEL 3 PAIR BACKPLANE UNGUIDED ASSEMBLY SALES DRAWING					
ANGULAR TOL $\pm$ 0.5°				DRWN: HLG0H 2019/04/08									
4 PLACES $\pm$				CHK'D: HLG0H 2019/10/18				PRODUCT CUSTOMER DRAWING					
3 PLACES $\pm$				APPR:									
2 PLACES $\pm$ 0.13				INITIAL REVISION:				DOCUMENT NUMBER <b>SD-171335-0001</b>					
1 PLACE $\pm$ 0.25				DRWN: JLAURX 2011/12/16									
0 PLACES $\pm$				APPR: JLAURX 2012/01/06				DOC TYPE PSD		DOC PART 001		REVISION B	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 171335		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 6	


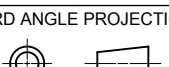
DOCUMENT STATUS	RV	RELEASE DATE	
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MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH $\phi$
171335-1824	8	24	18.60	13.30	1.10	4.90	0.46±0.05
171335-1825	8	24	18.60	13.30	1.10	5.50	0.46±0.05
171335-1827	8	24	18.60	13.30	1.20	4.90	0.36±0.05
171335-1828	8	24	18.60	13.30	1.20	5.50	0.36±0.05



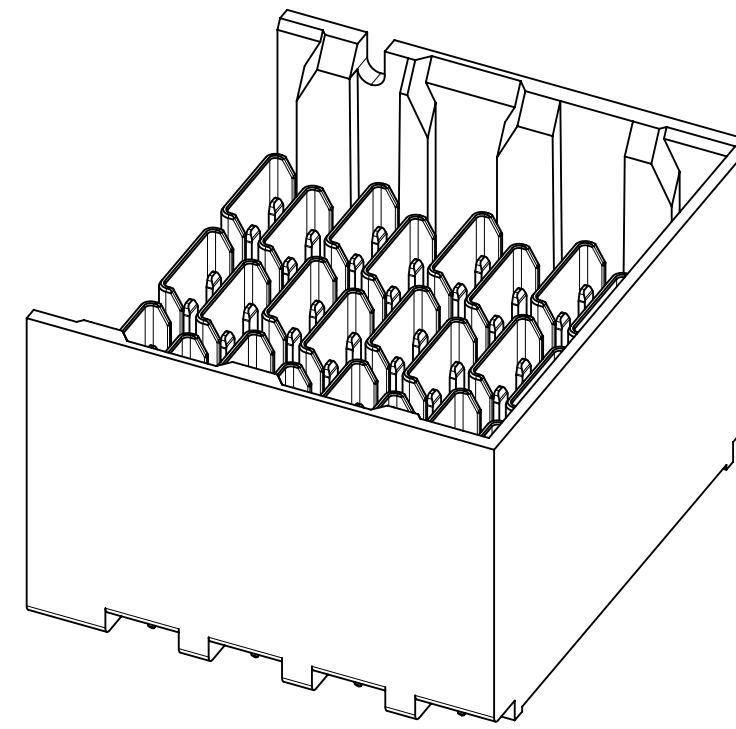
DUAL END  
WALL OPTION

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DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE PK SPEC					
mm		NTS		 IMPEL 3 PAIR BACKPLANE UNGUIDED ASSEMBLY SALES DRAWING					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		± 0.5°		EC NO: 625604		2019/04/08		DOCUMENT NUMBER	
4 PLACES		±		DRWN: HLG0H		2019/10/18		DOC TYPE	
3 PLACES		±		CHK'D: HLG0H		APPR:		DOC PART	
2 PLACES		± 0.13		INITIAL REVISION:		2011/12/16		REVISION	
1 PLACE		± 0.25		DRWN: JLAURX		2012/01/06		SD-171335-0001	
0 PLACES		±		APPR: JLAURX		SERIES		PSD 001 B	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		MATERIAL NUMBER	
						C-SIZE		CUSTOMER	
						171335		GENERAL MARKET	
								SHEET NUMBER	
								4 OF 6	

DOCUMENT STATUS	RV	RELEASE DATE	
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MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH $\phi$
171335-1834	8	24	17.20	13.30	1.10	4.90	0.46±0.05
171335-1835	8	24	17.20	13.30	1.10	5.50	0.46±0.05
171335-1837	8	24	17.20	13.30	1.20	4.90	0.36±0.05
171335-1838	8	24	17.20	13.30	1.20	5.50	0.36±0.05

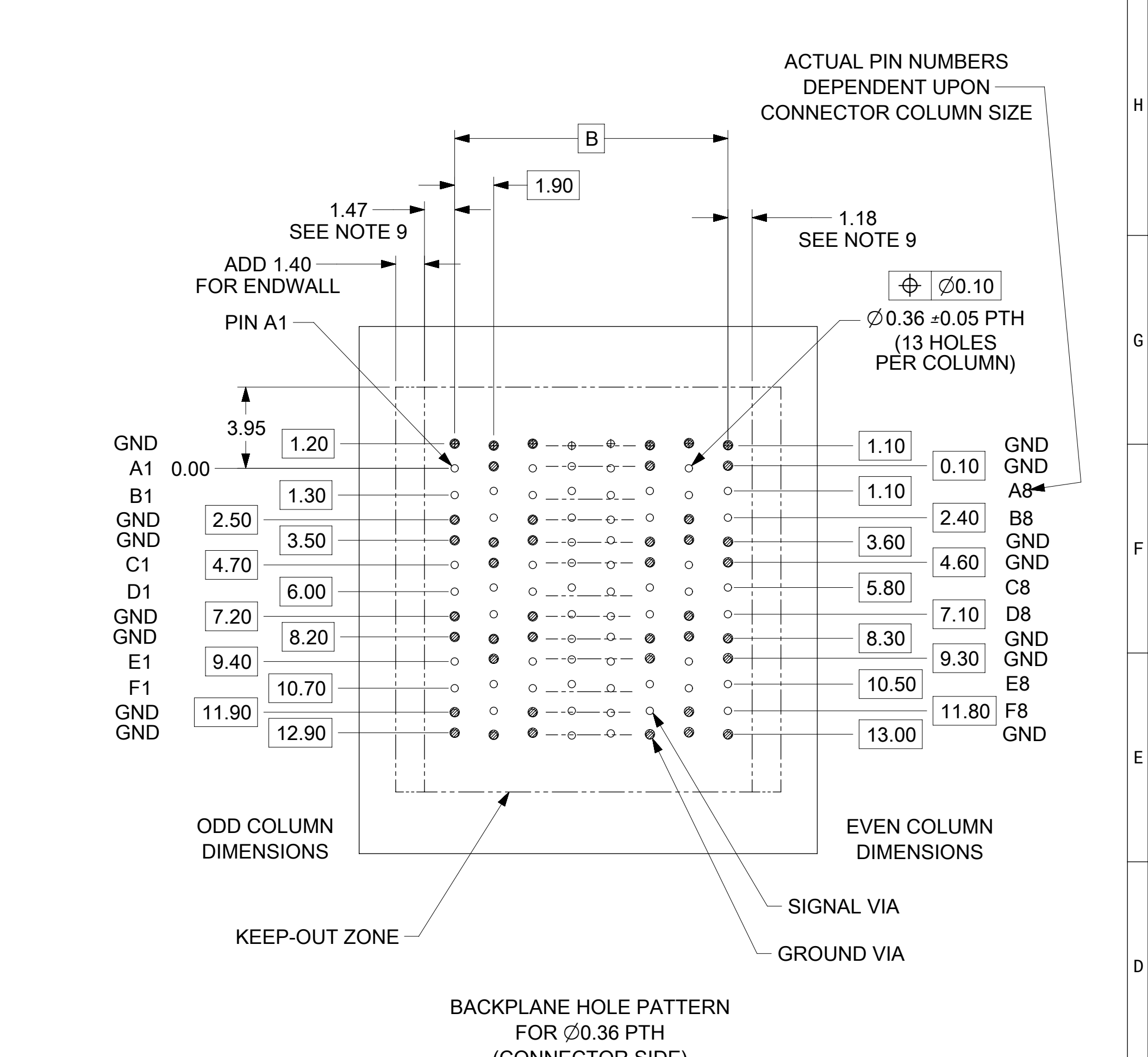
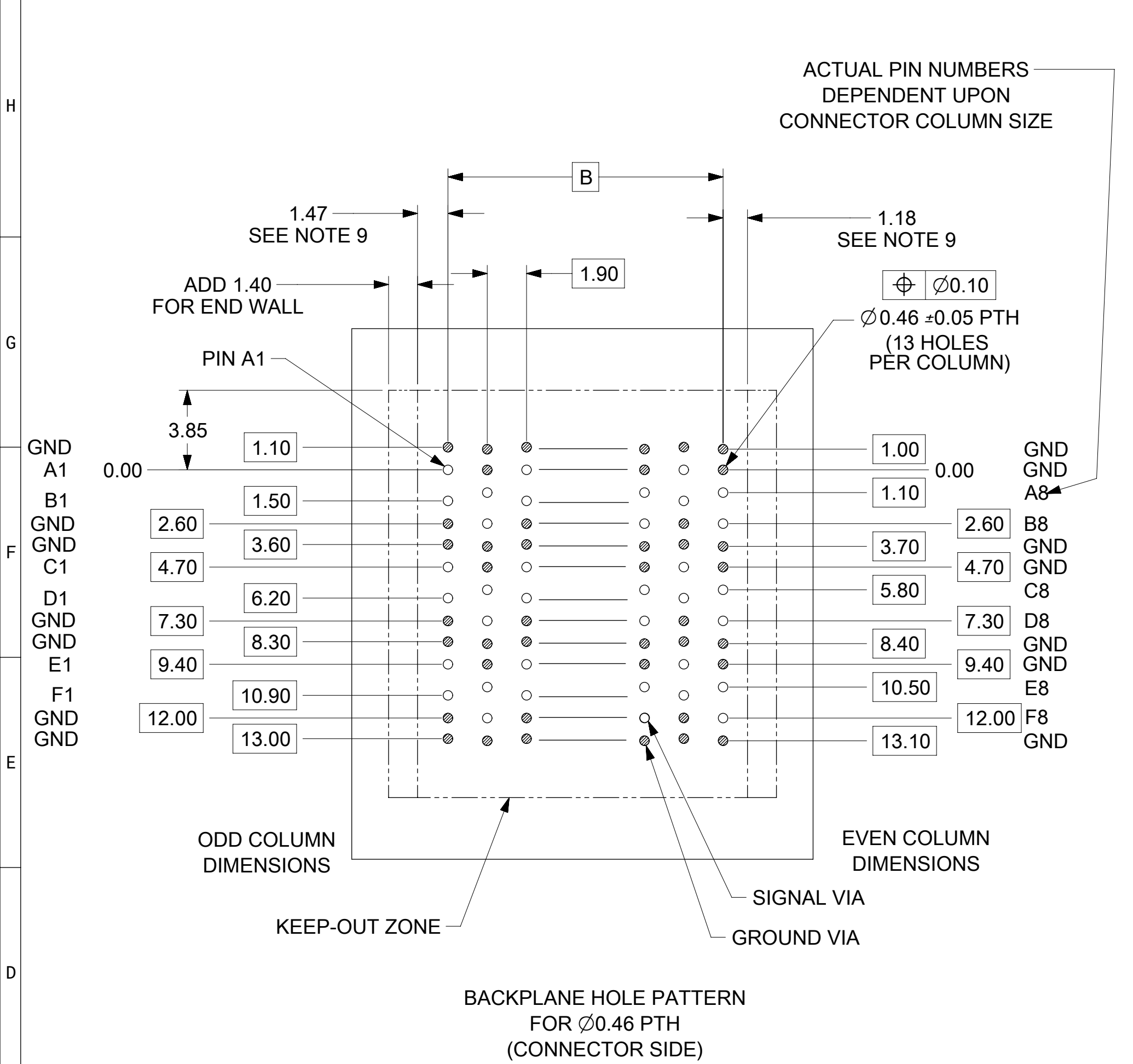


RIGHT END  
WALL OPTION

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DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE PK SPEC				<b>molex</b>	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 625604				IMPEL 3 PAIR BACKPLANE UNGUIDED ASSEMBLY SALES DRAWING	
ANGULAR TOL $\pm$ 0.5°				DRWN: HLG0H 2019/04/08					
4 PLACES $\pm$				CHK'D: HLG0H 2019/10/18				PRODUCT CUSTOMER DRAWING	
3 PLACES $\pm$				APPR:					
2 PLACES $\pm$ 0.13				INITIAL REVISION:				DOCUMENT NUMBER	
1 PLACE $\pm$ 0.25				DRWN: JLAURX 2011/12/16					
0 PLACES $\pm$				APPR: JLAURX 2012/01/06				SD-171335-0001	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				C-SIZE		171335		SEE TABLE	
								CUSTOMER	
								GENERAL MARKET	
								SHEET NUMBER	
								5 OF 6	

DOCUMENT STATUS	RV	RELEASE DATE	
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DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE PK SPEC							
mm		NTS		<p style="text-align: center;"><b>molex</b></p> <p style="text-align: center;">IMPEL 3 PAIR BACKPLANE UNGUIDED ASSEMBLY SALES DRAWING</p> <p style="text-align: center;">PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL		± 0.5°		EC NO: 625604		2019/04/08		DOCUMENT NUMBER		DOC TYPE   DOC PART   REVISION	
4 PLACES		±		DRWN: HLGOH		2019/10/18		SD-171335-0001		PSD   001   B	
3 PLACES		±		CHK'D: HLGOH		APPR:		MATERIAL NUMBER			
2 PLACES		± 0.13		INITIAL REVISION:		2011/12/16		CUSTOMER			
1 PLACE		± 0.25		DRWN: JLAURX		2012/01/06		GENERAL MARKET			
0 PLACES		±		APPR: JLAURX		SERIES		SHEET NUMBER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		C-SIZE		171335	
SEE TABLE		SEE TABLE		SEE TABLE		SEE TABLE		SEE TABLE		6 OF 6	