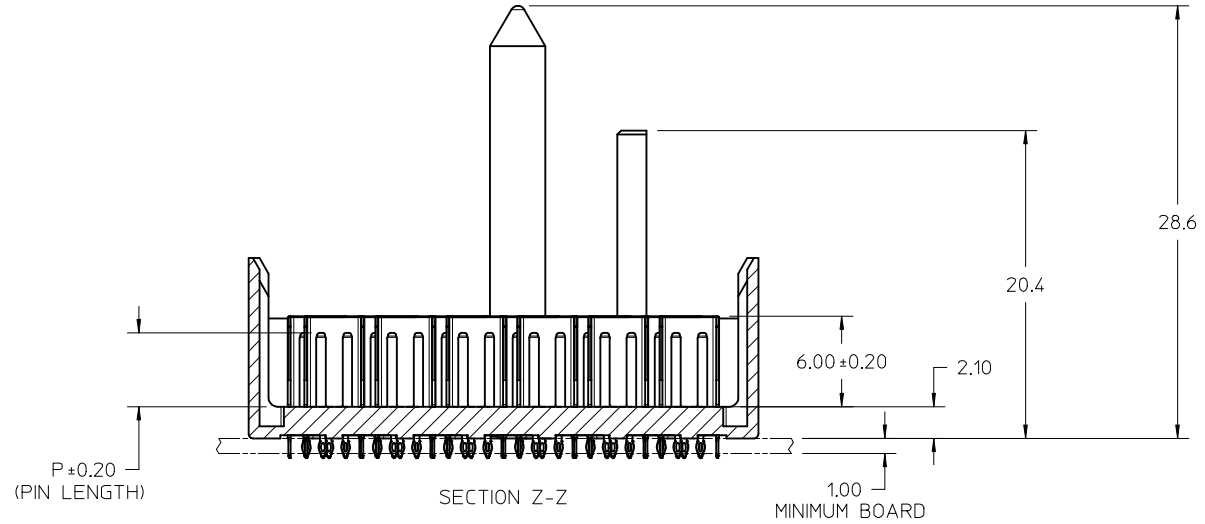
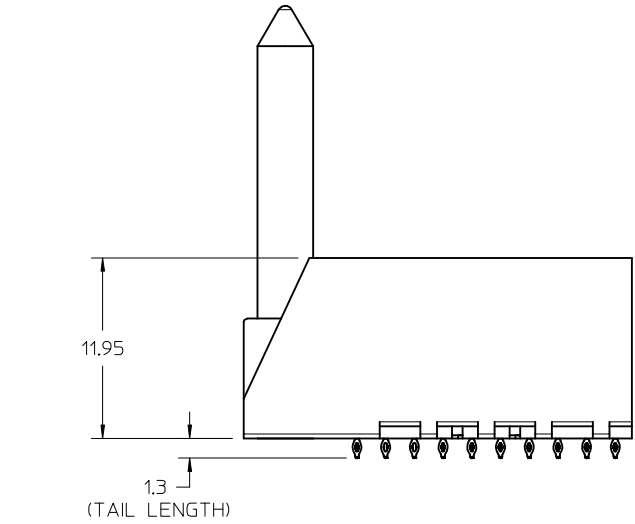
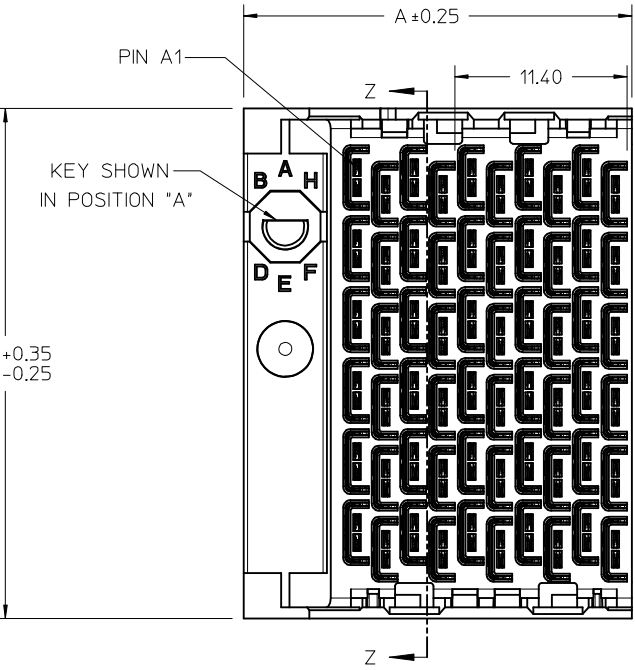
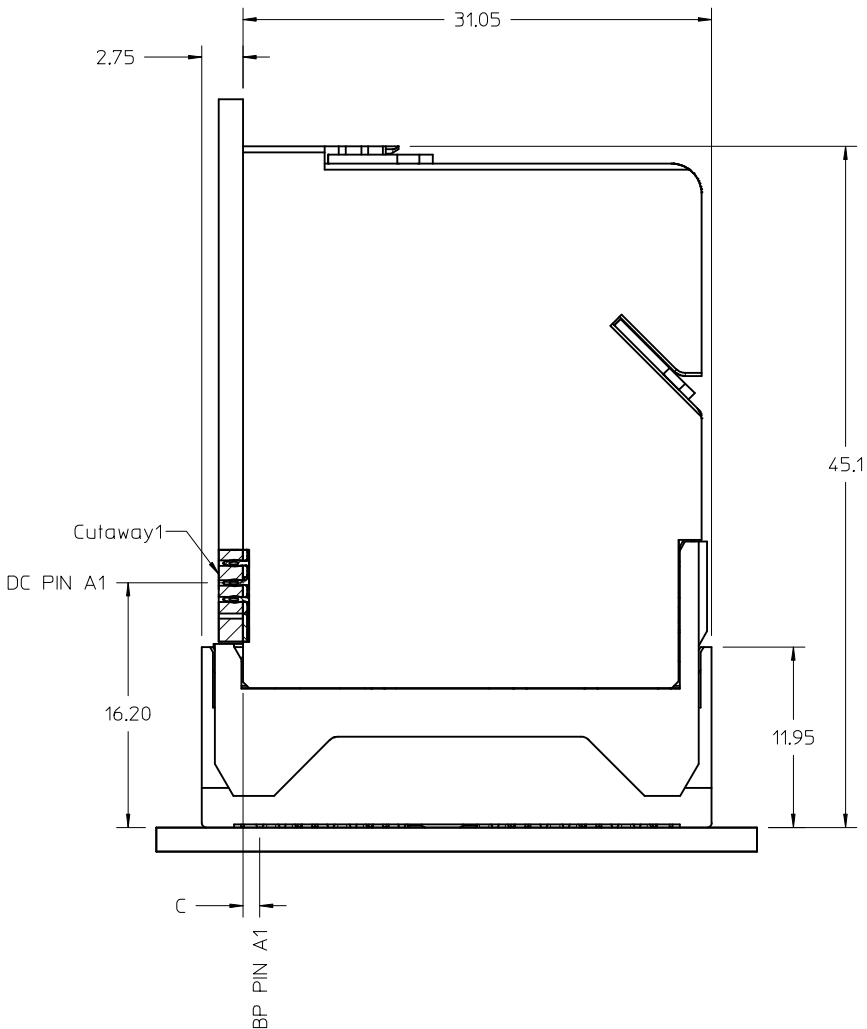




- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
 2. FINISH: 30uIN GOLD IN CONTACT AREA.
SELECTIVE TIN ON PCB TAILS.
NICKEL OVERALL.
 3. REFER TO MOLEX PRODUCT SPECIFICATION PS-171320-999 FOR PERFORMANCE SPECIFICATIONS.
 4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
 5. PRODUCT WILL BE PACKAGED PER PK-78888-087.
 6. SEE SHEETS 2, 3, AND 4 FOR HOLE PATTERN AND MATED PART DIMENSIONS.
 7. MATES WITH IMPEL DC SERIES NUMBER 171400.
 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.
 10. THE KEEP-OUT ZONE FOR THE BP HOUSING LENGTH INCLUDES THE NECESSARY SPACE REQUIRED FOR THE MATING DAUGHTERCARD HOUSING.
 11. PART IS SUPPLIED WITH ONE 2-56 UNC-2A SCREW (MOLEX P/N 73774-1000).

GD&T UPDATE EC NO: UCP2016-1379 DOWNLOADED 2015/10/01 CHKD:CYLJAW APPR:SHLENI 2015/10/12	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JLAURX	DATE 2012/01/19	TITLE IMPEL 6 PAIR BACKPLANE GUIDE LEFT ASSEMBLY SALES DRAWING molex			
			4 PLACES	± ---	± ---	CHECKED BY					DATE
			3 PLACES	± ---	± ---						
			2 PLACES	± 0.13	± ---						
			1 PLACE	± 0.25	± ---	APPROVED BY		DATE			
			0 PLACE	±	±	JLAURX		2012/11/27			
			ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.			SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-171395-0002			1 OF 4
						SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ϕ
171395-38*4	8	48	21.90	13.30	1.10	4.90	0.46±0.05
171395-38*5	8	48	21.90	13.30	1.10	5.50	0.46±0.05
171395-38*7	8	48	21.90	13.30	1.20	4.90	0.36±0.05
171395-38*8	8	48	21.90	13.30	1.20	5.50	0.36±0.05
171395-31*4	10	60	25.70	17.10	1.10	4.90	0.46±0.05
171395-31*5	10	60	25.70	17.10	1.10	5.50	0.46±0.05
171395-31*7	10	60	25.70	17.10	1.20	4.90	0.36±0.05
171395-31*8	10	60	25.70	17.10	1.20	5.50	0.36±0.05
171395-36*4	16	96	37.10	28.50	1.10	4.90	0.46±0.05
171395-36*5	16	96	37.10	28.50	1.10	5.50	0.46±0.05
171395-36*7	16	96	37.10	28.50	1.20	4.90	0.36±0.05
171395-36*8	16	96	37.10	28.50	1.20	5.50	0.36±0.05



MATED PART DIMENSIONS

171395-3***

MODULE TYPE

3 = GUIDE LEFT

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)

OF COLUMNS

8 = 8 COL

1 = 10 COL

6 = 16 COL

KEY ORIENTATION

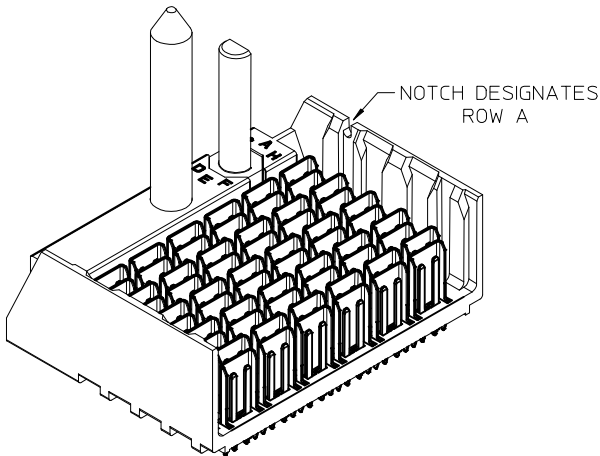
0 = NO KEY

1 = A 5 = E

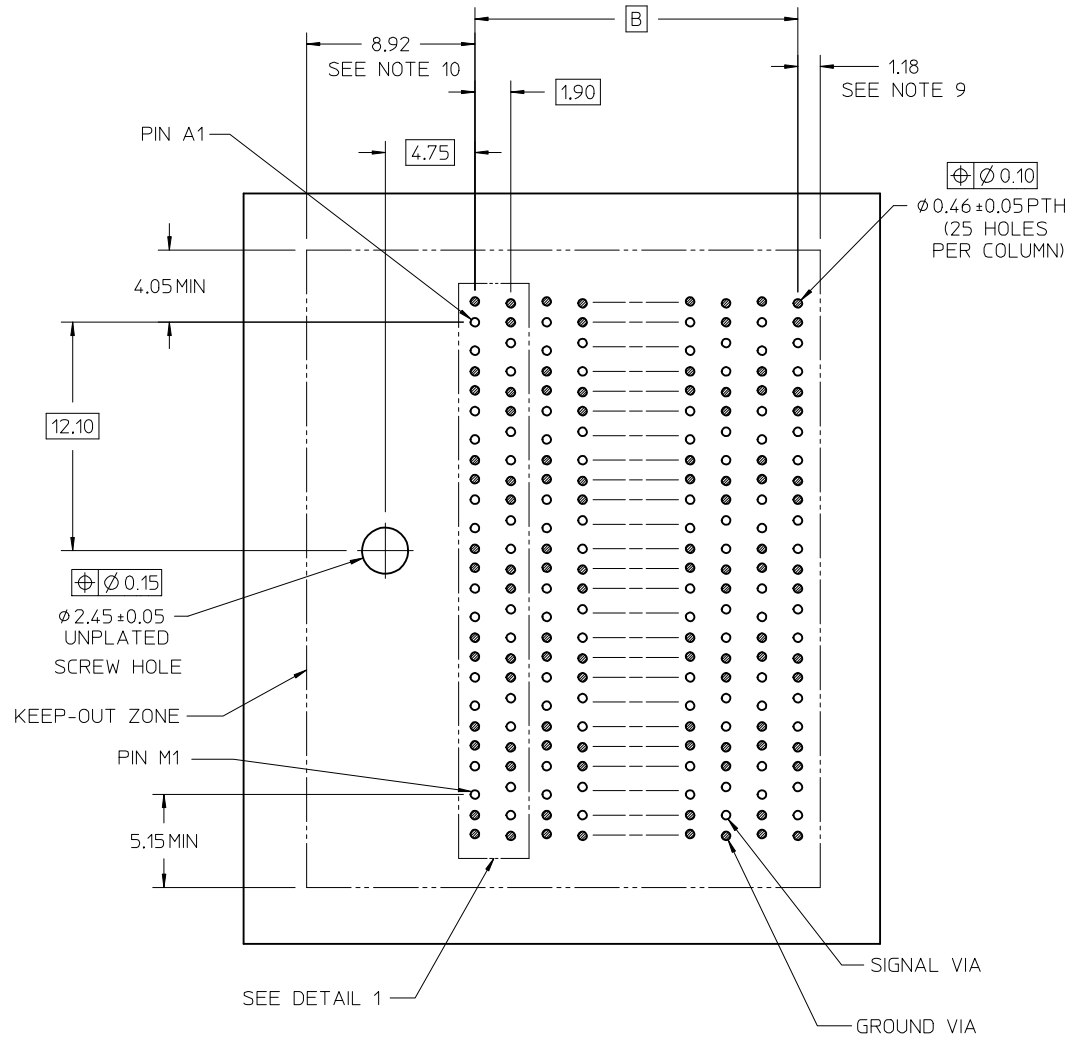
2 = B 6 = F

3 = C 7 = G

4 = D 8 = H



SEE SHEET 1 EC NO: UCP2016-1379 DRWN:MLEE01 2015/10/01 CHKD:CYL JAW APPR:SHLENI 2015/10/12 B4	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		▽=0 ▽=0 ▽=0		mm	INCH	DRAWN BY JLAURX	DATE 2012/01/19	TITLE IMPEL 6 PAIR BACKPLANE GUIDE LEFT ASSEMBLY SALES DRAWING			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	APPROVED BY JLAURX		DATE 2012/11/27			
			2 PLACES	± 0.13	± ---						
			1 PLACE	± 0.25	± ---						
			0 PLACE	±	±	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		ANGULAR ±1/2°		SEE CHART		SD-171395-0002		2 OF 4			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

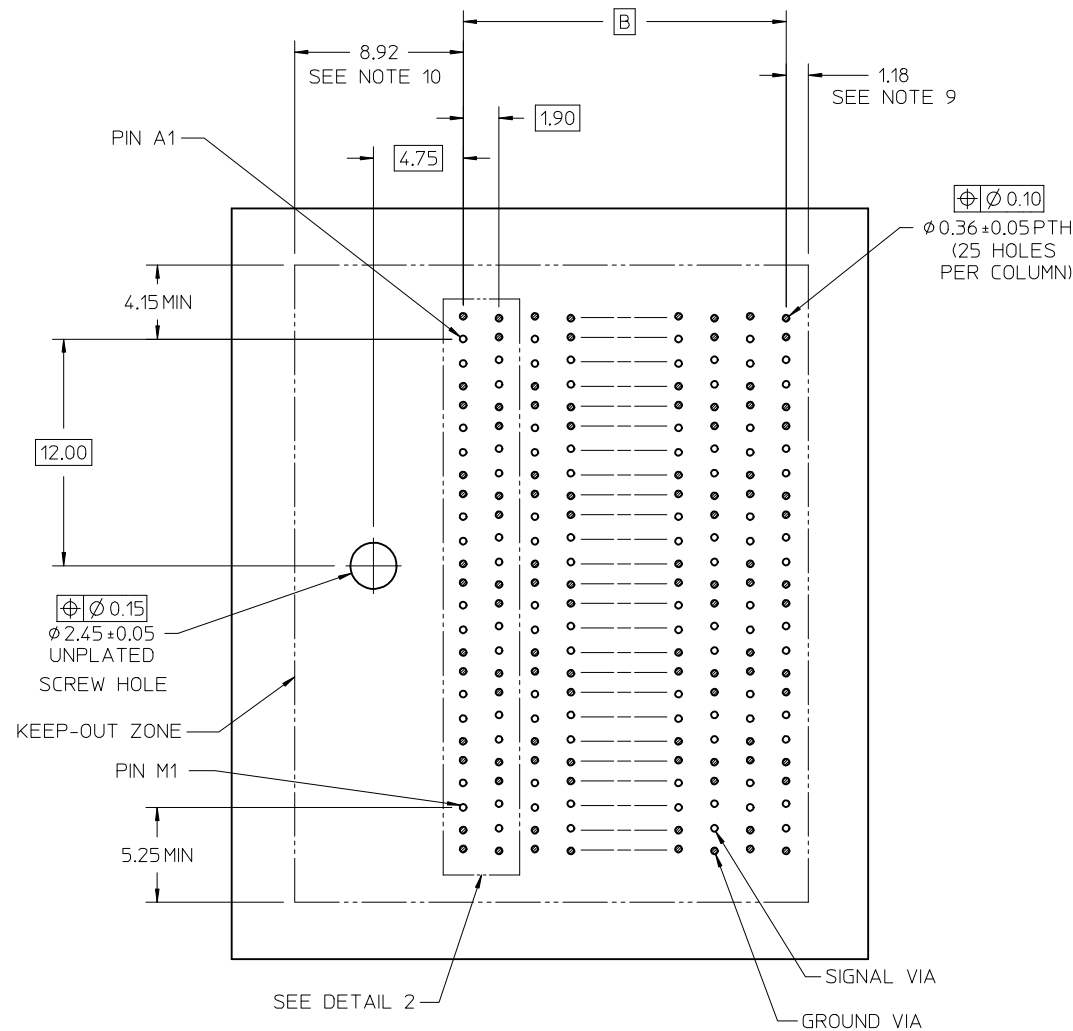


GND	0.00	1.10	1.00	0.00	GND
A1					GND
B1	1.50	1.10	1.10	1.10	A2
GND	2.60	3.60	3.70	2.60	B2
GND	4.70	6.20	5.80	4.70	GND
C1					GND
D1	7.30	8.30	8.40	7.30	C2
GND	9.40	10.90	10.50	9.40	D2
GND	12.00	13.00	13.10	12.00	GND
E1					GND
F1	14.10	15.60	15.20	14.10	E2
GND	16.70	17.70	17.80	16.70	F2
GND	18.80	20.30	19.90	18.80	GND
G1					GND
H1	21.40	22.40	22.50	21.40	H2
GND	23.50	25.00	24.60	23.50	GND
J1					GND
K1	26.10	27.10	27.20	26.10	J2
GND					K2
GND					GND
L1					L2
M1					M2
GND					GND

DETAIL 1
SCALE 5:1

BACKPLANE HOLE PATTERN FOR $\phi 0.46$ PTH (CONNECTOR SIDE)

SEE SHEET 1 EC NO: UCP2016-1379 DRAWN: MLEE01 2015/10/01 CHKD: CYLIAM APPR: SHLENI 2015/10/12	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY JLAURX	DATE 2012/01/19	TITLE IMPEL 6 PAIR BACKPLANE GUIDE LEFT ASSEMBLY SALES DRAWING				
				4 PLACES	± ---	± ---	CHECKED BY	DATE					
				3 PLACES	± ---	± ---	APPROVED BY JLAURX		DATE 2012/11/27	molex			
				2 PLACES	± 0.13	± ---							
				1 PLACE	± 0.25	± ---							
				0 PLACE	±	±	MATERIAL NO.		DOCUMENT NO.		SHEET NO. 3 OF 4		
ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-171395-0002							
B4				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



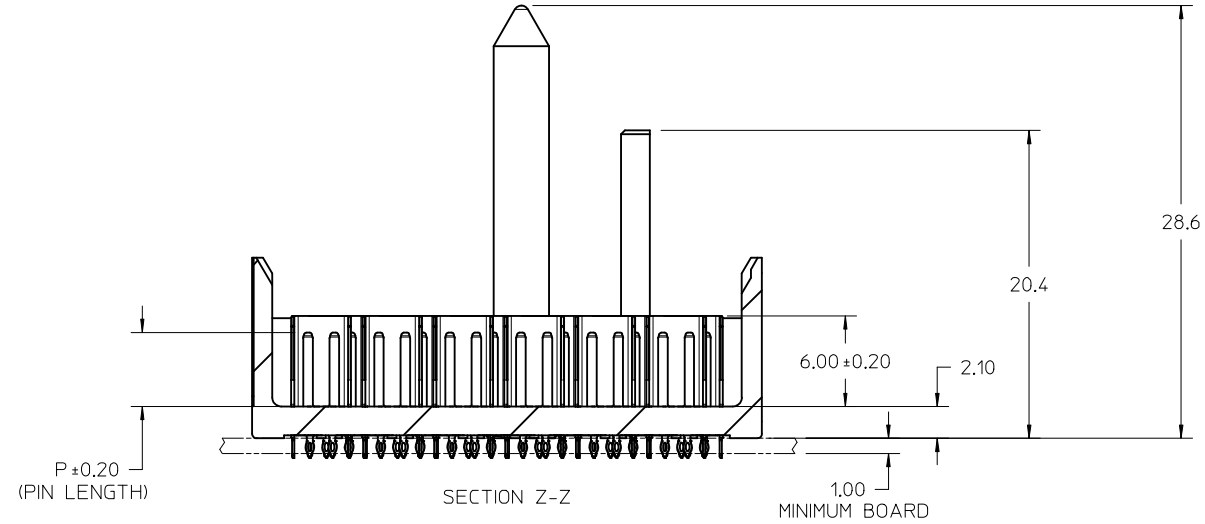
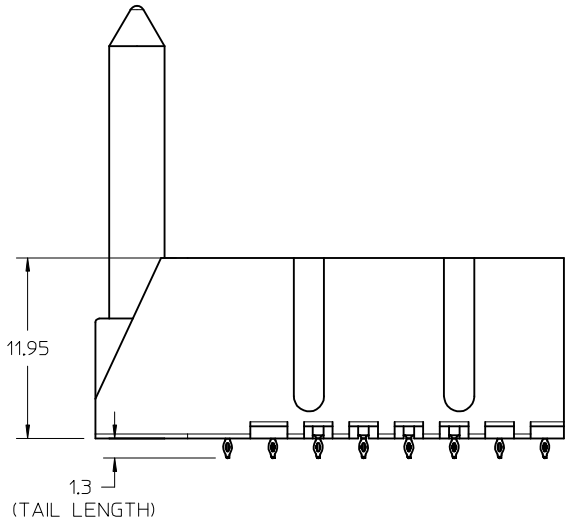
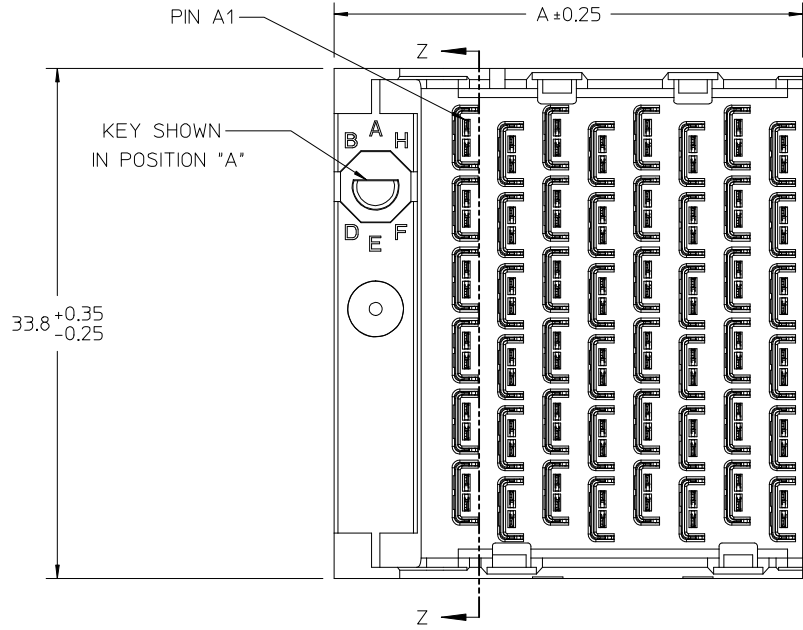
GND	0.00	1.20	1.10	0.10	GND
A1					A2
B1		1.30	1.10		B2
GND	2.50	3.50	3.60	2.40	GND
C1	4.70			4.60	GND
D1		6.00	5.80		C2
GND	7.20			7.10	D2
E1	9.40	8.20	8.30	9.30	GND
F1		10.70	10.50		E2
GND	11.90			11.80	F2
G1	14.10	12.90	13.00	14.00	GND
H1		15.40	15.20		G2
GND	16.60			16.50	H2
J1	18.80	17.60	17.70	18.70	GND
K1		20.10	19.90		J2
GND	21.30			21.20	K2
L1	23.50	22.30	22.40	23.40	GND
M1		24.80	24.60		L2
GND	26.00			25.90	M2
		27.00	27.10		GND

DETAIL 2
SCALE 5:1

BACKPLANE HOLE PATTERN FOR $\phi 0.36$ PTH (CONNECTOR SIDE)

SEE SHEET 1 EC NO: UCP2016-1379 DRAWN: MLEE01 2015/10/01 CHKD: CYLIAM APPR: SHLENI 2015/10/12 REV B4	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY JLAURX	DATE 2012/01/19	TITLE IMPEL 6 PAIR BACKPLANE GUIDE LEFT ASSEMBLY SALES DRAWING	
			4 PLACES	± ---	± ---	CHECKED BY	DATE	molex	
			3 PLACES	± ---	± ---				
			2 PLACES	± 0.13	± ---				
			1 PLACE	± 0.25	± ---	APPROVED BY JLAURX	DATE 2012/11/27		
			0 PLACE	±	±				
			ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-171395-0002				
SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

- 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-78888-087.
 6. SEE SHEETS 2, 3, AND 4 FOR HOLE PATTERN AND MATED PART DIMENSIONS.
 7. MATES WITH IMPEL DC SERIES NUMBER 171760.
 8. REFER TO IMPEL PCB ROUTING GUIDE AS-171320-990 FOR ANTIPAD, ROUTING RECOMMENDATIONS, AND ADDITIONAL PCB INFORMATION.
 9. THE KEEP-OUT ZONE FOR THE BP HOUSING LENGTH INCLUDES THE NECESSARY SPACE REQUIRED FOR THE MATING DAUGHTERCARD HOUSING.
 10. PART IS SUPPLIED WITH ONE 2-56 UNC-2A SCREW (MOLEX P/N 73774-1000).



ADD P/N TO NOTE 11 EC NO: UCP2016-1552 DRWN:TPREMO 2015/10/09 CHKD:JLAURX 2015/10/09 APPR:JLAURX 2015/10/16 A1	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
			4 PLACES	± ---	± ---	DRAWN BY BJANOWIAK	DATE 2013/03/25	TITLE IMPEL 6 PAIR BACKPLANE 3MM PITCH ASSEMBLY GUIDE LEFT SALES DRAWING					
				3 PLACES	± ---	± ---	CHECKED BY						DATE
			2 PLACES	± 0.13	± ---	APPROVED BY JLAURX		DATE 2014/03/24	DOCUMENT NO. SD-171755-0002				
			1 PLACE	± 0.25	± ---	MATERIAL NO. SEE CHART							
			0 PLACE	±	±						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
			ANGULAR ±1/2°			SHEET NO. 1 OF 4							
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ϕ
171755-38*4	8	48	31.00	21.00	1.10	4.90	0.46 $\pm$ 0.05
171755-38*5	8	48	31.00	21.00	1.10	5.50	0.46 $\pm$ 0.05
171755-38*7	8	48	31.00	21.00	1.20	4.90	0.36 $\pm$ 0.05
171755-38*8	8	48	31.00	21.00	1.20	5.50	0.36 $\pm$ 0.05
171755-32*4	12	72	43.00	33.00	1.10	4.90	0.46 $\pm$ 0.05
171755-32*5	12	72	43.00	33.00	1.10	5.50	0.46 $\pm$ 0.05
171755-32*7	12	72	43.00	33.00	1.20	4.90	0.36 $\pm$ 0.05
171755-32*8	12	72	43.00	33.00	1.20	5.50	0.36 $\pm$ 0.05

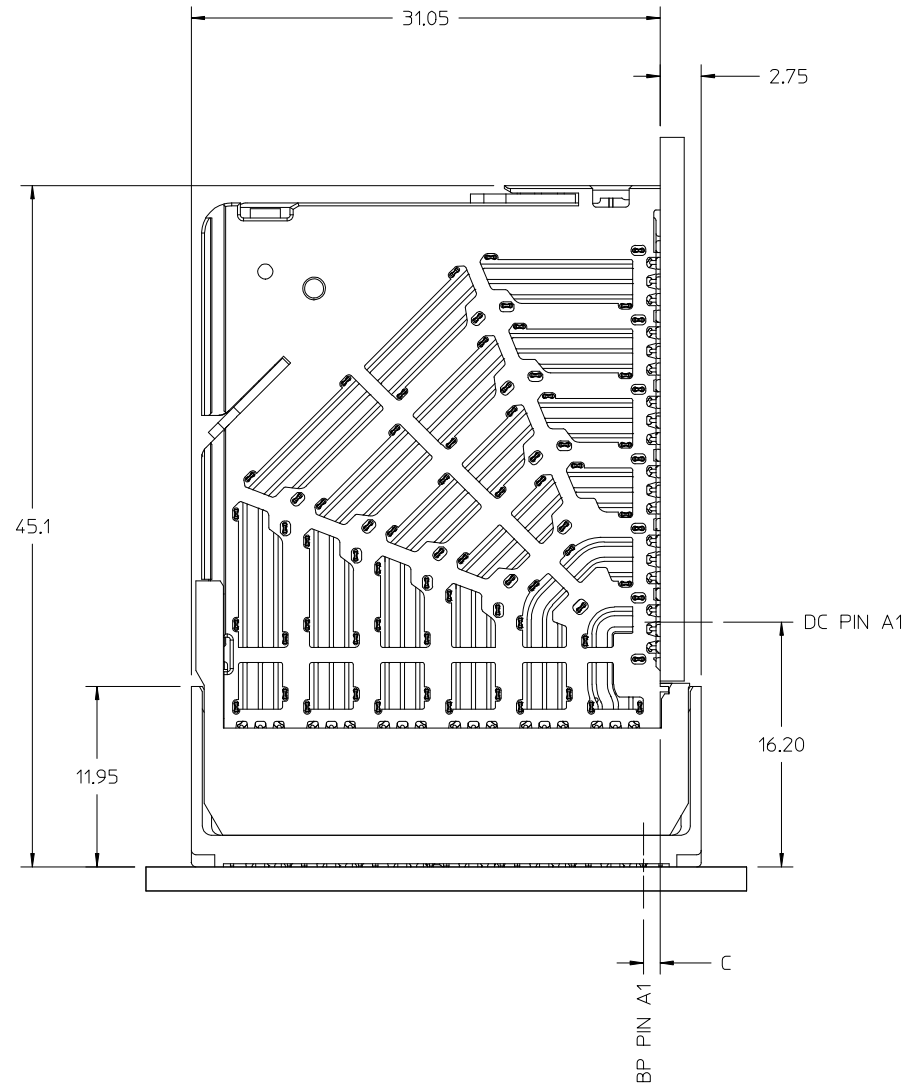
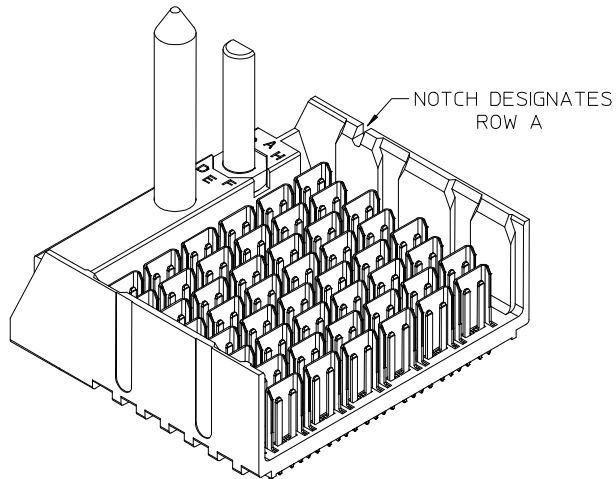
171755-3***

MODULE TYPE
3 = GUIDE LEFT

OF COLUMNS
8 = 8 COL
2 = 12 COL

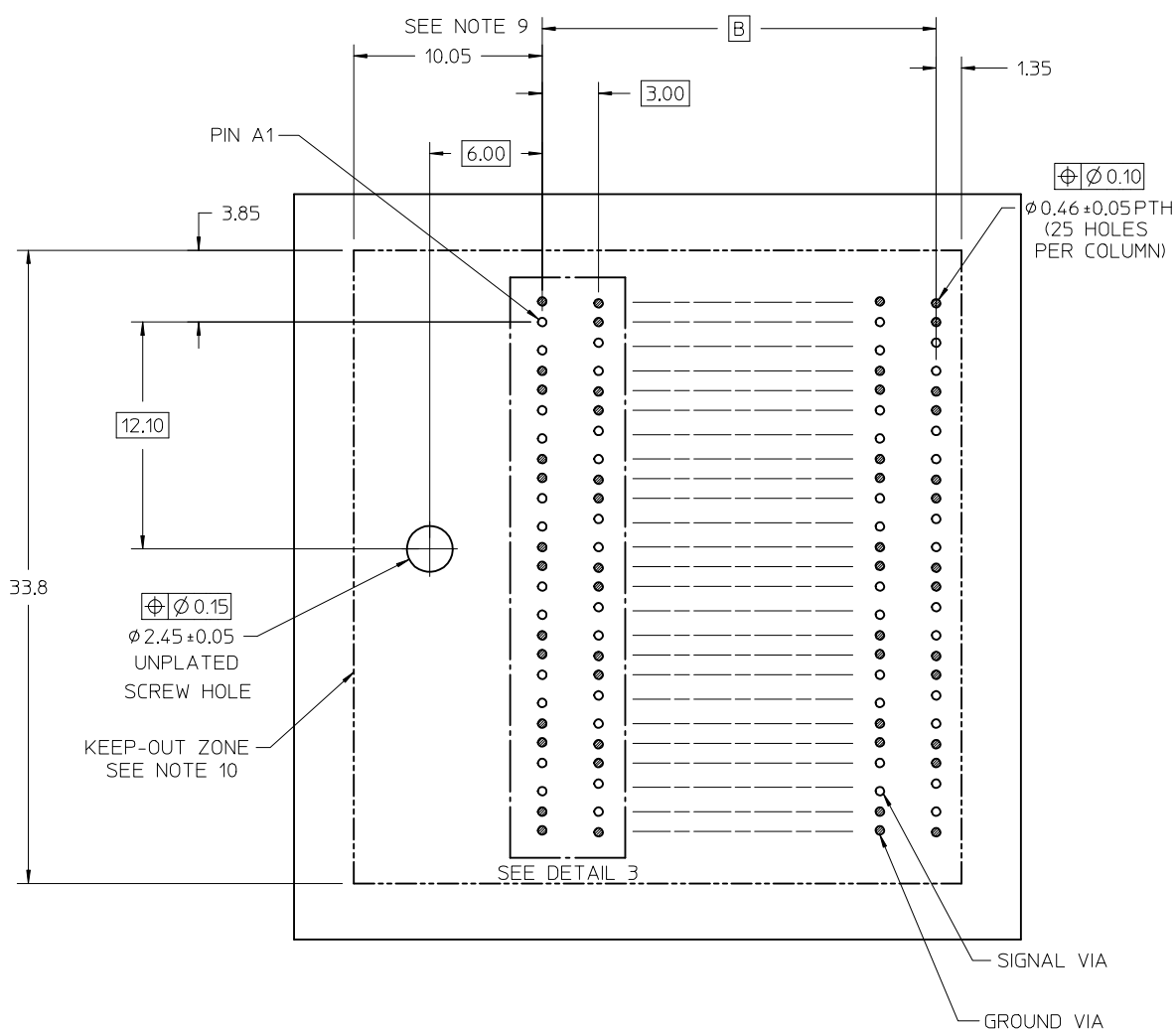
KEY ORIENTATION
0 = NO KEY
1 = A 5 = E
2 = B 6 = F
3 = C 7 = G
4 = D 8 = H

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)

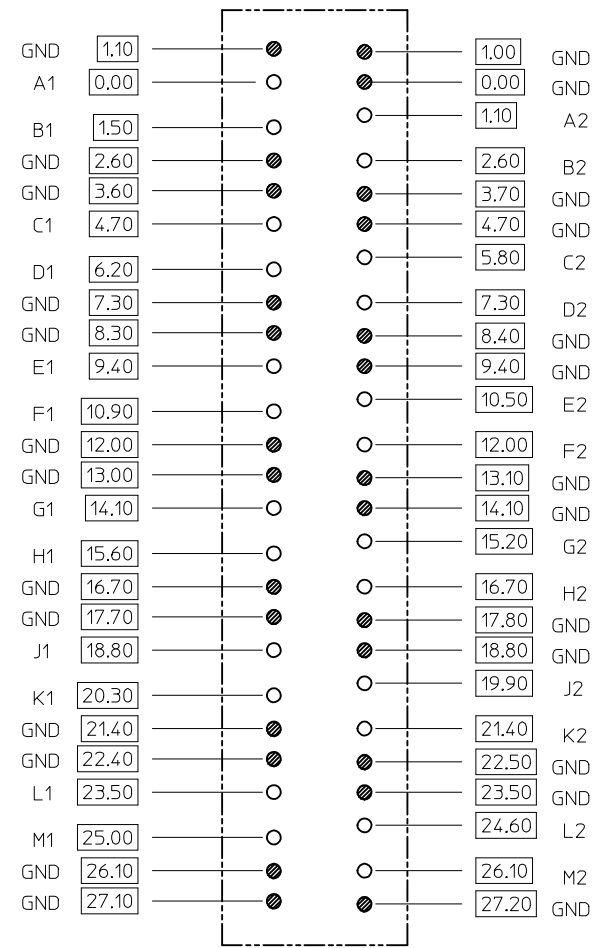


MATED PART DIMENSIONS

SEE SHEET 1 EC NO: UCP2016-1552 DRWN:TPREMO 2015/10/09 CHKD:JLAURX 2015/10/09 APPR:JLAURX 2015/10/16	REV A1	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
					mm	INCH	DRAWN BY BJANOWIAK	DATE 2013/03/25	TITLE IMPEL 6 PAIR BACKPLANE 3MM PITCH ASSEMBLY GUIDE LEFT SALES DRAWING	DOCUMENT NO. SD-171755-0002	SHEET NO. 2 OF 4
				4 PLACES	± ---	± ---	CHECKED BY	DATE			
				3 PLACES	± ---	± ---					
				2 PLACES	± 0.13	± ---	APPROVED BY JLAURX	DATE 2014/03/24	molex		
				1 PLACE	± 0.25	± ---					
				0 PLACE	±		MATERIAL NO.				
				ANGULAR ±1/2°			SEE CHART				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



BACKPLANE HOLE PATTERN
FOR $\phi 0.46$ PTH
(CONNECTOR SIDE)

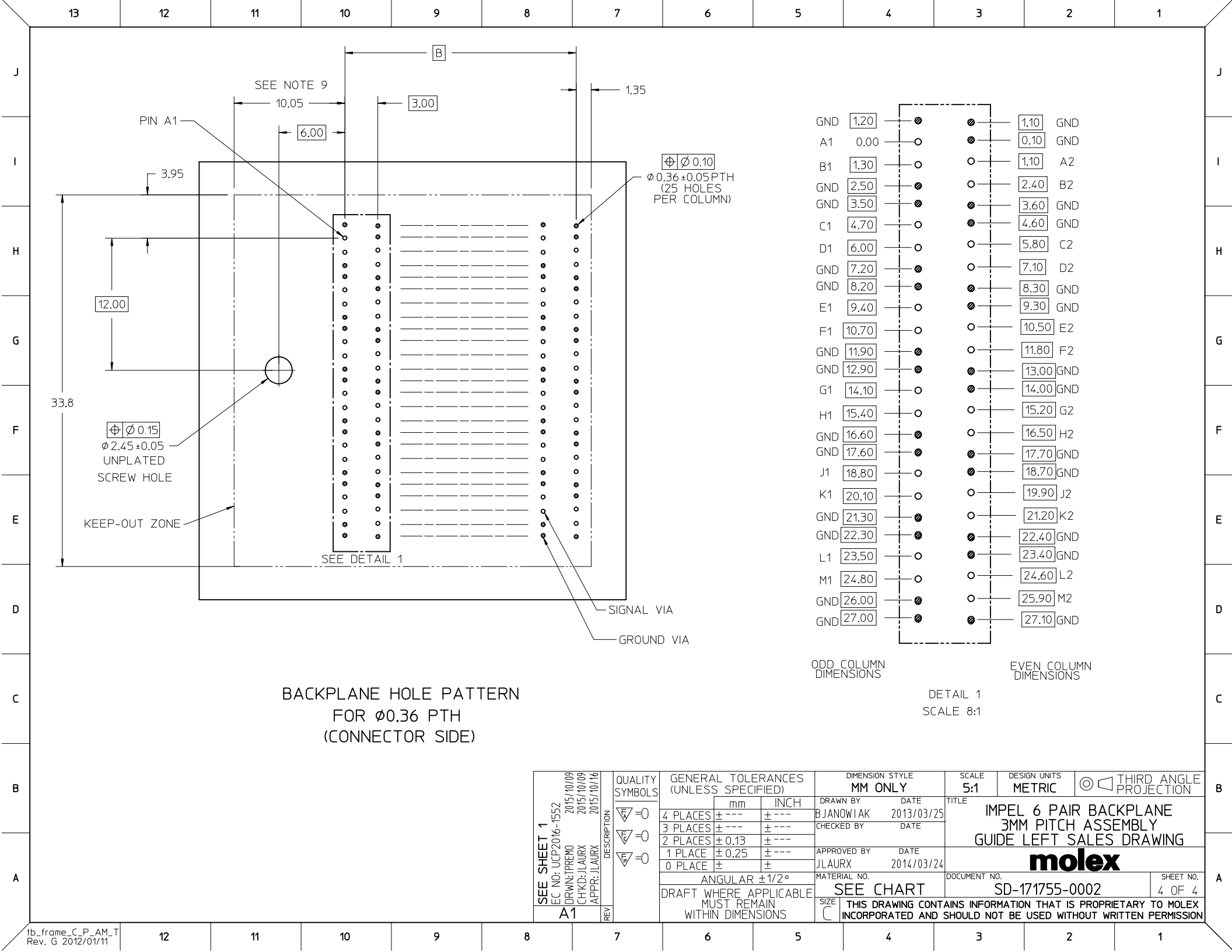


ODD COLUMN
DIMENSIONS

EVEN COLUMN
DIMENSIONS

DETAIL 3
SCALE 8:1

SEE SHEET 1 EC NO: UCP2016-1552 DRWN:TPREMO 2015/10/09 CHKD: LAURX 2015/10/09 APPR: LAURX 2015/10/16 A1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
					MM ONLY		5:1	METRIC			
					mm	INCH	DRAWN BY		DATE	TITLE	
							BJANOWIAK		2013/03/25		
					4 PLACES ± --- ± ---		CHECKED BY		DATE	IMPEL 6 PAIR BACKPLANE 3MM PITCH ASSEMBLY GUIDE LEFT SALES DRAWING molex	
			3 PLACES ± --- ± ---								
			2 PLACES ± 0.13 ± ---		APPROVED BY		DATE				
			1 PLACE ± 0.25 ± ---		JLAURX		2014/03/24				
			0 PLACE ± ±								
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-171755-0002		3 OF 4					
REV			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



BACKPLANE HOLE PATTERN
FOR Ø0.36 PTH
(CONNECTOR SIDE)

GND	1.20			1.10	GND
A1	0.00			0.10	GND
B1	1.30			1.10	A2
GND	2.50			2.40	B2
GND	3.50			3.60	GND
C1	4.70			4.60	GND
D1	6.00			5.80	C2
GND	7.20			7.10	D2
GND	8.20			8.30	GND
E1	9.40			9.30	GND
F1	10.70			10.50	E2
GND	11.90			11.80	F2
GND	12.90			13.00	GND
G1	14.10			14.00	GND
H1	15.40			15.20	G2
GND	16.60			16.50	H2
GND	17.60			17.70	GND
J1	18.80			18.70	GND
K1	20.10			19.90	J2
GND	21.30			21.20	K2
GND	22.30			22.40	GND
L1	23.50			23.40	GND
M1	24.80			24.60	L2
GND	26.00			25.90	M2
GND	27.00			27.10	GND

ODD COLUMN
DIMENSIONS

EVEN COLUMN
DIMENSIONS

DETAIL 1
SCALE 8:1

SEE SHEET 1 EC NO: UCP2016-1552 DRWN:TPREMO 2015/10/09 CHKD:JLAURX 2015/10/09 APPR:JLAURX 2015/10/16 A1	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	mm INCH	DRAWN BY DATE BJANOWIAK 2013/03/25		TITLE IMPEL 6 PAIR BACKPLANE 3MM PITCH ASSEMBLY GUIDE LEFT SALES DRAWING						
				CHECKED BY DATE								
				APPROVED BY DATE JLAURX 2014/03/24		DOCUMENT NO. SD-171755-0002						
				MATERIAL NO.							SHEET NO. 4 OF 4	
				ANGULAR ±1/2°							SEE CHART	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						