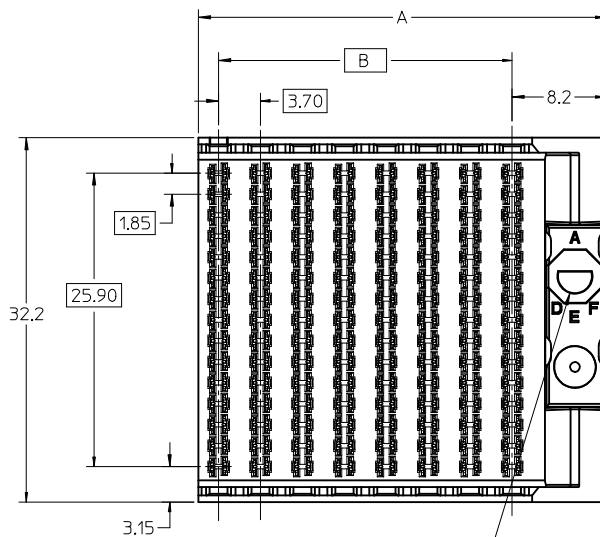
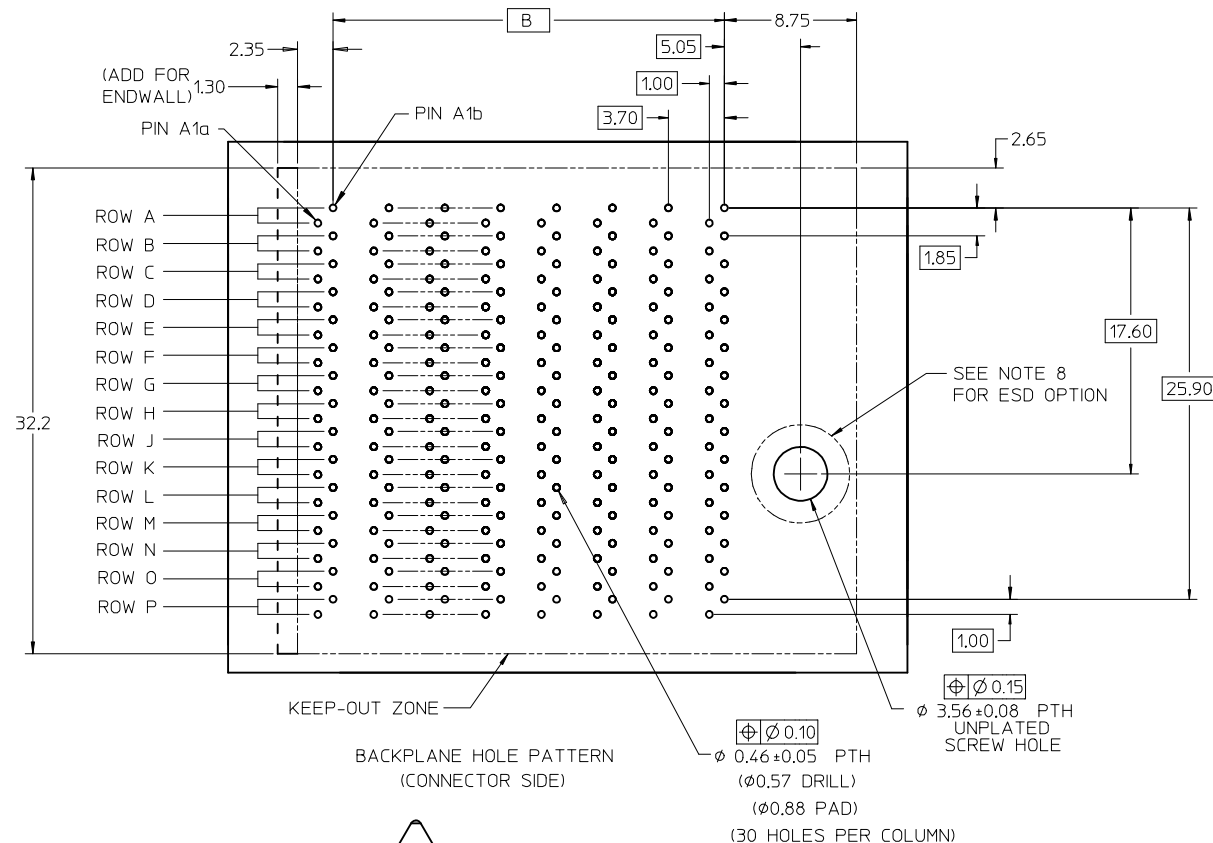




KEY SHOWN IN POSITION "A"

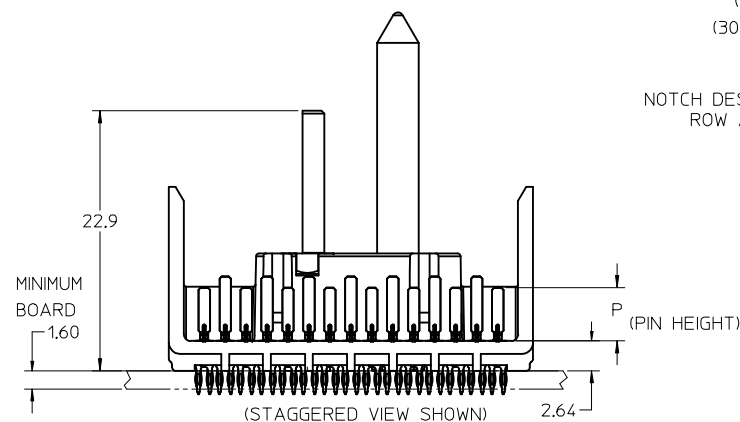
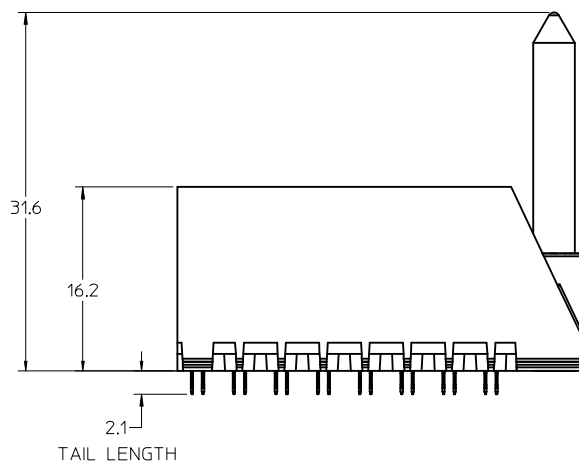


KEEP-OUT ZONE

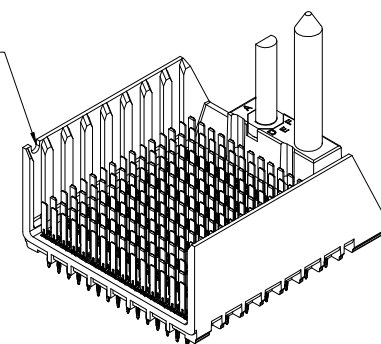
BACKPLANE HOLE PATTERN
(CONNECTOR SIDE)

$\phi 0.46 \pm 0.05$ PTH
($\phi 0.57$ DRILL)
($\phi 0.88$ PAD)
(30 HOLES PER COLUMN)

$\phi 0.15$
 $\phi 3.56 \pm 0.08$ PTH
UNPLATED
SCREW HOLE



NOTCH DESIGNATES
ROW A



LEAD FREE CONVERSION EC NO: UCP2013-4288 DRWN:RWHIPPLE 2013/04/09 CHKD:MMOLFE 2013/04/09 APPR:SMILLER 2013/08/26	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY BPISZCZOR	DATE 2007/02/28	TITLE I-TRAC 15 ROW BP GUIDE RIGHT ASSEMBLY SALES DRAWING molex				
			4 PLACES		± ---	± ---	CHECKED BY JLAURX						DATE 2007/02/28
			3 PLACES		± ---	± ---	APPROVED BY CBIXLER						DATE 2007/02/28
			2 PLACES		± 0.13	± ---	MATERIAL NO. SEE CHART						DOCUMENT NO. SD-76035-004
			1 PLACE		± 0.25	± ---	SHEET NO. 1 OF 4						
			0 PLACE		±	± ---							
					ANGULAR ±1/2°								
					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			

76035-****

MODULE TYPE -- TAIL PLATING TYPE

GUIDE RIGHT -- MATTE TIN (FORMERLY TIN/LEAD) = 4

GUIDE RIGHT -- MATTE TIN = 5

GUIDE RIGHT W/END WALL -- MATTE TIN (FORMERLY TIN/LEAD) = 8

GUIDE RIGHT W/END WALL -- MATTE TIN = 9

OF COLUMNS

8 = 8 COL

9 = 9 COL

1 = 10 COL

KEY ORIENTATION

0 = NO KEY

1 = A

2 = B

3 = C

4 = D

5 = E

6 = F

7 = G

8 = H

PIN LENGTH (P)

2 = 3.90 - 30 GOLD

3 = 4.70 - 30 GOLD

4 = 5.70 - 30 GOLD

5 = 4.70 & 5.70 - 30 GOLD

STAGGERED

6 = 3.90 - 10 GOLD

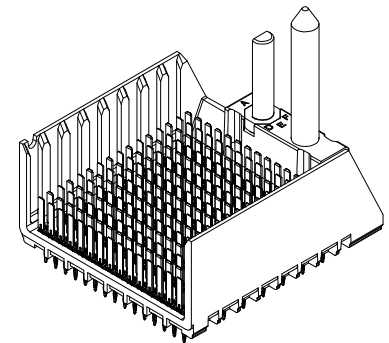
7 = 4.70 - 10 GOLD

8 = 5.70 - 10 GOLD

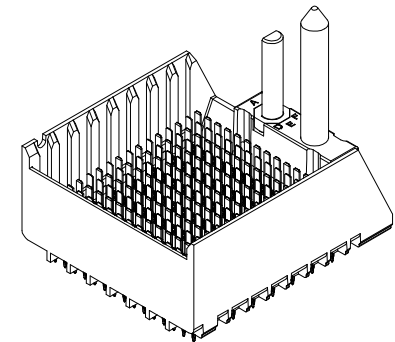
9 = 4.70 & 5.70 - 10 GOLD

STAGGERED

GUIDE RIGHT STYLE



GUIDE RIGHT W/END WALL STYLE



MATERIAL NUMBER	# OF COLUMNS	DIM "A"	DIM "B"
76035-48**	8	35.9	25.90
76035-49**	9	39.6	29.60
76035-41**	10	43.3	33.30
76035-51**	8	35.9	25.90
76035-59**	9	39.6	29.60
76035-51**	10	43.3	33.30

MATERIAL NUMBER	# OF COLUMNS	DIM "A"	DIM "B"
76035-88**	8	37.2	25.90
76035-89**	9	40.9	29.60
76035-81**	10	44.6	33.30
76035-98**	8	37.2	25.90
76035-99**	9	40.9	29.60
76035-91**	10	44.6	33.30

SEE SHEET 1	EC NO: UCP2013-4288				DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
	DRAWN: RHIPPLE 2013/04/09									MM ONLY		4:1	METRIC			
	CHKD: MWOLFE 2013/04/09									DRAWN BY DATE		TITLE				
	APPR: SMILLER 2013/08/26									CHECKED BY DATE		I-TRAC 15 ROW BP GUIDE RIGHT ASSEMBLY SALES DRAWING				
	2 PLACES ± 0.13 ± ---			JLAURX 2007/02/28												
	1 PLACE ± 0.25 ± ---			APPROVED BY DATE			molex									
	0 PLACE ± ±			CBIXLER 2007/02/28												
	ANGULAR ±1/2°			MATERIAL NO.			DOCUMENT NO.					SHEET NO.				
	DRAFT WHERE APPLICABLE			SEE CHART			SD-76035-004					2 OF 4				
	MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												

13

12

11

10

9

8

7

6

5

4

3

2

1

DCARD PCB

BPLANE PCB

ROW A

CENTERLINE OF
HOLE PATTERN
COLUMN

DCARD PCB

ROW A

BPLANE PCB

1.00

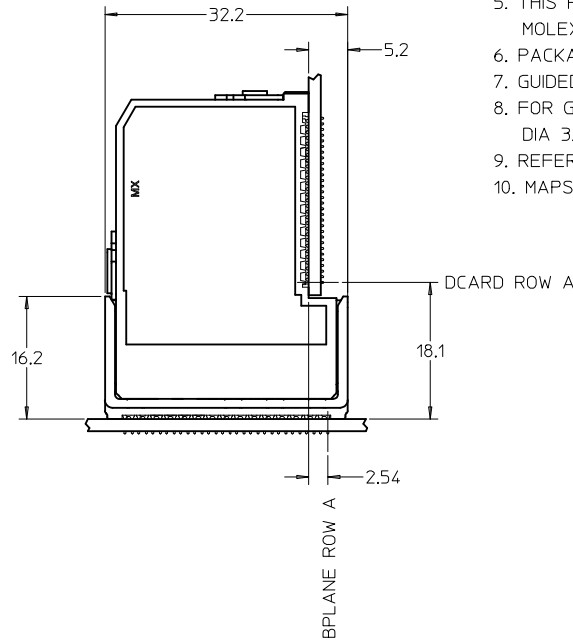
0.50

1.20

0.60

15 ROW I-TRAC BOARD RELATIONSHIPS

SCALE 2:1



NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 10 MICROINCH MIN.(MAPS) GOLD OR 30 MICROINCH MIN. GOLD
IN CONTACT AREA. SELECTIVE MATTE TIN ON PCB TAILS, NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-75710-999
FOR PERFORMANCE SPECIFICATIONS.
4. FOR MIXED CONTACT MATING LENGTHS, CONSULT MOLEX
FOR AVAILABILITY.
5. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
MOLEX COSMETIC SPEC PS-45499-002.
6. PACKAGE PER: PK-70873-586.
7. GUIDED PARTS TO BE SHIPPED WITH 2-56 UNC B SCREW P/N 73774-1000.
8. FOR GROUNDED GUIDE PINS USE DIA 3.56+/-0.08 (PTH),
DIA 3.66 (DRILL), AND DIA 6.5 (PAD).
9. REFER TO PCB ROUTING GUIDE FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
10. MAPS (MOLEX ADVANCED PLATING SYSTEM).

SEE SHEET 1 EC NO: UCP2013-4288 DRAWN:WHIPPLE 2013/04/09 CHKD:MMOLFE 2013/04/09 APPR:SMILLER 2013/08/26	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	I-TRAC 15 ROW BP GUIDE RIGHT ASSEMBLY SALES DRAWING molex SD-76035-004 SHEET NO. 3 OF 4	
				4 PLACES	mm	INCH	DRAWN BY BPISZCZOR	DATE 2007/02/28	TITLE			
					3 PLACES	mm	INCH	CHECKED BY JLAURX				
				2 PLACES	± 0.13	± ---	APPROVED BY CBIXLER	DATE 2007/02/28				
				1 PLACE	± 0.25	± ---						
				0 PLACE	±	±	MATERIAL NO.	DOCUMENT 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				

12

11

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9

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7

6

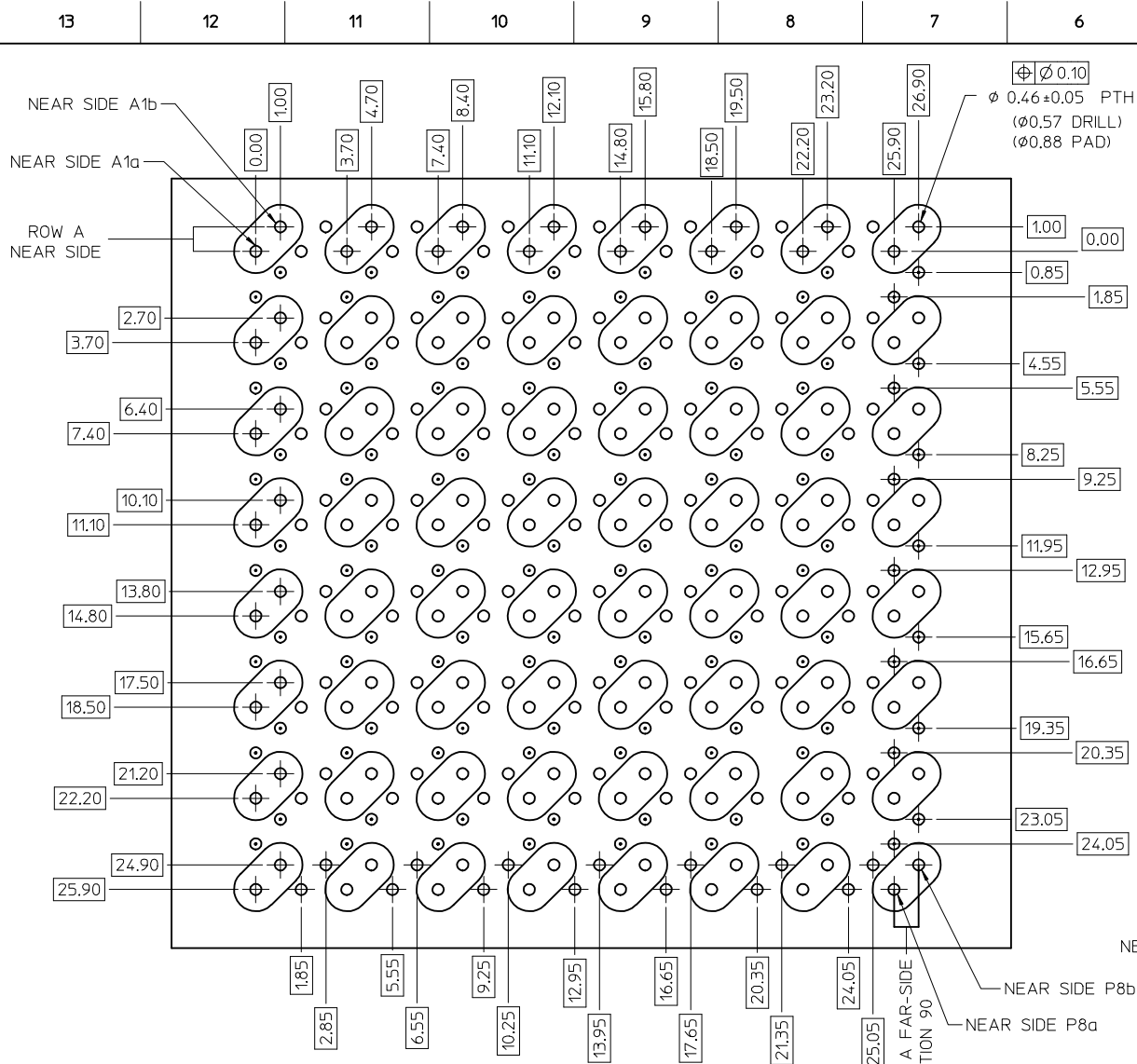
5

4

3

2

1



Orthogonal PCB Layout

NOTES:



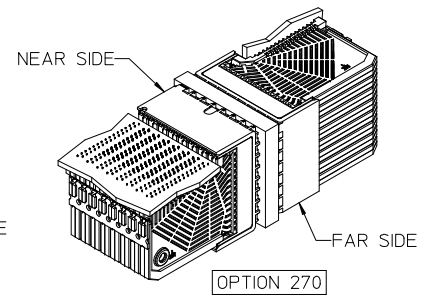
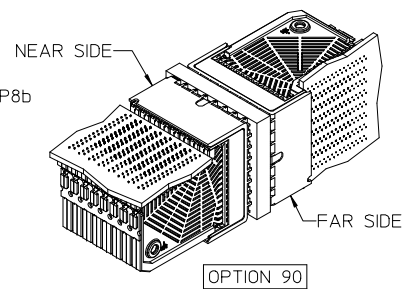
SIGNAL PAIRS (SHARED VIAS)

NEAR SIDE GROUNDS

FAR SIDE GROUNDS

ORTHO PIN MAPPING							
OPTION 90 (NEAR SIDE - FAR SIDE)							
A1b-P8b	A2b-N8b	A3b-L8b	A4b-J8b	A5b-G8b	A6b-E8b	A7b-C8b	A8b-A8b
A1a-P8a	A2a-N8a	A3a-L8a	A4a-J8a	A5a-G8a	A6a-E8a	A7a-C8a	A8a-A8a
C1b-P7b	C2b-N7b	C3b-L7b	C4b-J7b	C5b-G7b	C6b-E7b	C7b-C7b	C8b-A7b
C1a-P7a	C2a-N7a	C3a-L7a	C4a-J7a	C5a-G7a	C6a-E7a	C7a-C7a	C8a-A7a
E1b-P6b	E2b-N6b	E3b-L6b	E4b-J6b	E5b-G6b	E6b-E6b	E7b-C6b	E8b-A6b
E1a-P6a	E2a-N6a	E3a-L6a	E4a-J6a	E5a-G6a	E6a-E6a	E7a-C6a	E8a-A6a
G1b-P5b	G2b-N5b	G3b-L5b	G4b-J5b	G5b-G5b	G6b-E5b	G7b-C5b	G8b-A5b
G1a-P5a	G2a-N5a	G3a-L5a	G4a-J5a	G5a-G5a	G6a-E5a	G7a-C5a	G8a-A5a
J1b-P4b	J2b-N4b	J3b-L4b	J4b-J4b	J5b-G4b	J6b-E4b	J7b-C4b	J8b-A4b
J1a-P4a	J2a-N4a	J3a-L4a	J4a-J4a	J5a-G4a	J6a-E4a	J7a-C4a	J8a-A4a
L1b-P3b	L2b-N3b	L3b-L3b	L4b-J3b	L5b-G3b	L6b-E3b	L7b-C3b	L8b-A3b
L1a-P3a	L2a-N3a	L3a-L3a	L4a-J3a	L5a-G3a	L6a-E3a	L7a-C3a	L8a-A3a
N1b-P2b	N2b-N2b	N3b-L2b	N4b-J2b	N5b-G2b	N6b-E2b	N7b-C2b	N8b-A2b
N1a-P2a	N2a-N2a	N3a-L2a	N4a-J2a	N5a-G2a	N6a-E2a	N7a-C2a	N8a-A2a
P1b-P1b	P2b-N1b	P3b-L1b	P4b-J1b	P5b-G1b	P6b-E1b	P7b-C1b	P8b-A1b
P1a-P1a	P2a-N1a	P3a-L1a	P4a-J1a	P5a-G1a	P6a-E1a	P7a-C1a	P8a-A1a

ORTHO PIN MAPPING							
OPTION 270 (NEAR SIDE - FAR SIDE)							
A1b-A1a	A2b-C1a	A3b-E1a	A4b-G1a	A5b-J1a	A6b-L1a	A7b-N1a	A8b-P1a
A1a-A1b	A2a-C1b	A3a-E1b	A4a-G1b	A5a-J1b	A6a-L1b	A7a-N1b	A8a-P1b
C1b-A2a	C2b-C2a	C3b-E2a	C4b-G2a	C5b-J2a	C6b-L2a	C7b-N2a	C8b-P2a
C1a-A2b	C2a-C2b	C3a-E2b	C4a-G2b	C5a-J2b	C6a-L2b	C7a-N2b	C8a-P2b
E1b-A3a	E2b-C3a	E3b-E3a	E4b-G3a	E5b-J3a	E6b-L3a	E7b-N3a	E8b-P3a
E1a-A3b	E2a-C3b	E3a-E3b	E4a-G3b	E5a-J3b	E6a-L3b	E7a-N3b	E8a-P3b
G1b-A4a	G2b-C4a	G3b-E4a	G4b-G4a	G5b-J4a	G6b-L4a	G7b-N4a	G8b-P4a
G1a-A4b	G2a-C4b	G3a-E4b	G4a-G4b	G5a-J4b	G6a-L4b	G7a-N4b	G8a-P4b
J1b-A5a	J2b-C5a	J3b-E5a	J4b-G5a	J5b-J5a	J6b-L5a	J7b-N5a	J8b-P5a
J1a-A5b	J2a-C5b	J3a-E5b	J4a-G5b	J5a-J5b	J6a-L5b	J7a-N5b	J8a-P5b
L1b-A6a	L2b-C6a	L3b-E6a	L4b-G6a	L5b-J6a	L6b-L6a	L7b-N6a	L8b-P6a
L1a-A6b	L2a-C6b	L3a-E6b	L4a-G6b	L5a-J6b	L6a-L6b	L7a-N6b	L8a-P6b
N1b-A7a	N2b-C7a	N3b-E7a	N4b-G7a	N5b-J7a	N6b-L7a	N7b-N7a	N8b-P7a
N1a-A7b	N2a-C7b	N3a-E7b	N4a-G7b	N5a-J7b	N6a-L7b	N7a-N7b	N8a-P7b
P1b-A8a	P2b-C8a	P3b-E8a	P4b-G8a	P5b-J8a	P6b-L8a	P7b-N8a	P8b-P8a
P1a-A8b	P2a-C8b	P3a-E8b	P4a-G8b	P5a-J8b	P6a-L8b	P7a-N8b	P8a-P8b



SEE SHEET 1 EC NO: UCP2013-4288 DRAWN: RMH/PPLE 2013/04/09 CHKD: MMOLFE 2013/04/09 APPR: SMILLER 2013/08/26	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 BPISZCZOR	DATE 2007/02/28	TITLE I-TRAC 15 ROW BP GUIDE RIGHT ASSEMBLY SALES DRAWING			
				4 PLACES	± ---	± ---	CHECKED BY JLAURX	DATE 2007/02/28				
				3 PLACES	± ---	± ---	APPROVED BY	DATE				
				2 PLACES	± 0.13	± ---	CBIXLER	2007/02/28				
				1 PLACE	± 0.25	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			0 PLACE	±	±							
			ANGULAR ±1/2°			SEE CHART		SD-76035-004				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				