

6

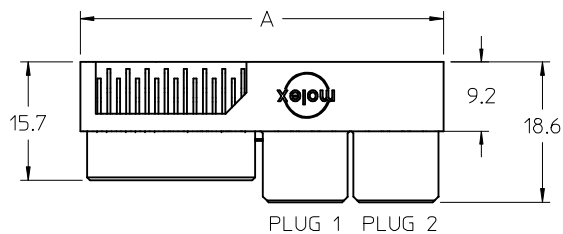
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4

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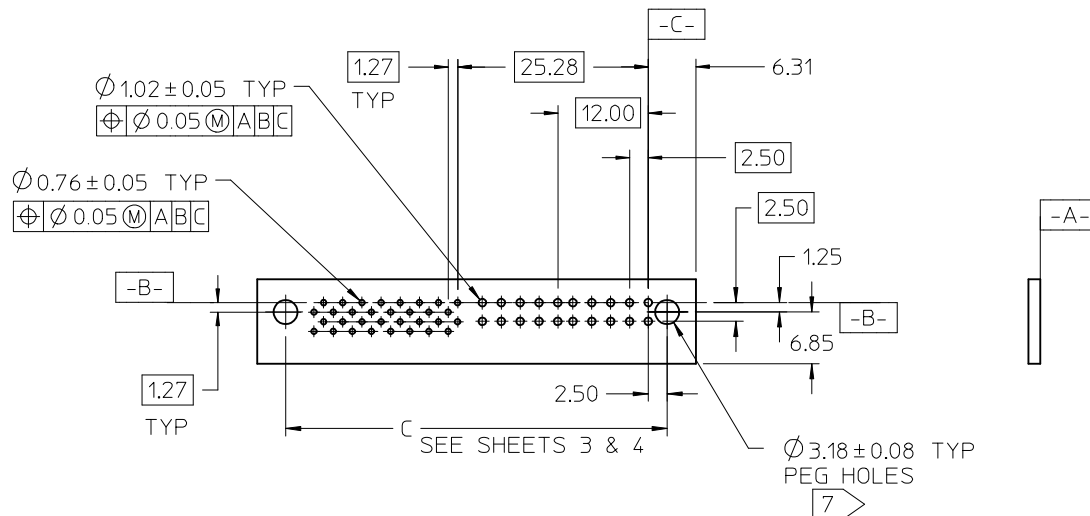
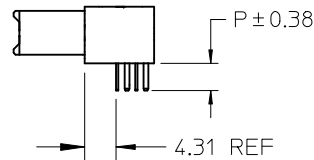
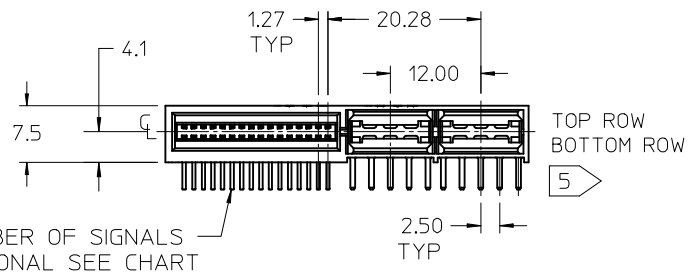
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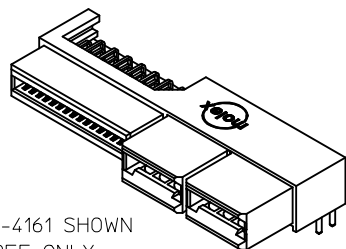


NOTES:

1. MATERIAL HOUSING: LCP, 94V-0, COLOR-BLACK.
CONTACT: COPPER ALLOY.
2. FINISH: SELECT GOLD - .76 μ M/30 MI MIN. CONTACT AREA.
SELECT TIN - 3.81 μ M/150 MI MIN. TAIL AREA.
BOTH OVER NICKEL - 1.27 μ M/50 MI MIN.
3. POWER TERMINALS ARE LUBRICATED IN CONTACT AREA.
3. PRODUCT SPECIFICATION: PS-45984-001.
4. PACKAGING: TRAY PER PK-45984-001.
5. SEE SHEET 5 FOR CKT IDENTIFICATION.
6. PARTS ARE RoHS COMPLIANT.
7. PEG HOLES ARE OPTIONAL SEE SHEET 3 AND 4.
8. MATES TO 1577.062 CARD EDGE OR MOLEX P/N 45985-4***.



RECOMMENDED PCB LAYOUT: COMPONENT SIDE
PEG HOLES OPTIONAL



45984-4161 SHOWN
FOR REF ONLY
SEE CHART

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---

ANGULAR $\pm 1/2^\circ$

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
SAMIEC	2005/05/13
CHECKED BY	DATE
SAMIEC	2005/05/13
APPROVED BY	DATE
MARGULIS	2005/05/13
MATERIAL NO.	

SIZE
A

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

LPH RECEPTACLE ASSEMBLY
RT ANGLE 4 CIRCUIT
POWER CONNECTOR

MOLEX INCORPORATED

DOCUMENT NO.
SD-45984-400

SHEET NO.
1 OF 5

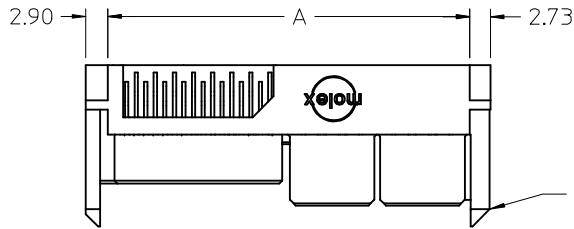
NO OF SIGNAL	MATERIAL NUMBER	DIM A REF	DIM P	PCB THK
12	45984-4111	35.5	4.50	3.18
16	45984-4121	38.0		
20	45984-4131	40.6		
24	45984-4141	43.1		
28	45984-4151	45.6		
32	45984-4161	48.2		
36	45984-4171	50.7	3.60	2.36
40	45984-4181	53.3		
12	45984-4112	35.5		
16	45984-4122	38.0		
20	45984-4132	40.6		
24	45984-4142	43.1		
28	45984-4152	45.6		
32	45984-4162	48.2	2.90	1.57
36	45984-4172	50.7		
40	45984-4182	53.3		
12	45984-4113	35.5		
16	45984-4123	38.0		
20	45984-4133	40.6		
24	45984-4143	43.1		
28	45984-4153	45.6		
32	45984-4163	48.2		
36	45984-4173	50.7		
40	45984-4183	53.3		

D

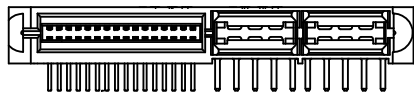
C

B

A



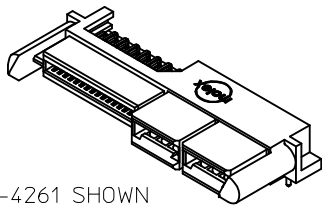
OPTIONAL GUIDES
SEE CHART



NO OF SIGNALS
OPTIONAL
SEE CHART

GUIDE POST OPTIONS

NO OF SIGNAL	MATERIAL NUMBER	DIM A	DIM P	PCB THK
12	45984-4211	35.5	4.50	3.18
16	45984-4221	38.0		
20	45984-4231	40.6		
24	45984-4241	43.1		
28	45984-4251	45.6		
32	45984-4261	48.2		
36	45984-4271	50.7	3.60	2.36
40	45984-4281	53.3		
12	45984-4212	35.5		
16	45984-4222	38.0		
20	45984-4232	40.6		
24	45984-4242	43.1		
28	45984-4252	45.6		
32	45984-4262	48.2		
36	45984-4272	50.7	2.90	1.57
40	45984-4282	53.3		
12	45984-4213	35.5		
16	45984-4223	38.0		
20	45984-4233	40.6		
24	45984-4243	43.1		
28	45984-4253	45.6		
32	45984-4263	48.2		
36	45984-4273	50.7		
40	45984-4283	53.3		



45984-4261 SHOWN
FOR REF ONLY
SEE CHART

REVISED	EC NO: UCP2009-0971	DRWN:MBANDURA	2008/11/13	CHKD:	2008/11/14	APPR:APATEL	2008/11/17
REV	DESCRIPTION						REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE MM ONLY

DRAWN BY	DATE
SAMIEC	2005/05/13
CHECKED BY	DATE
SAMIEC	2005/05/13
APPROVED BY	DATE
MARGULIS	2005/05/13
MATERIAL NO.	

SIZE
A

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

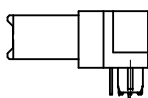
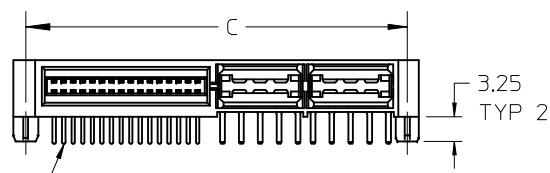
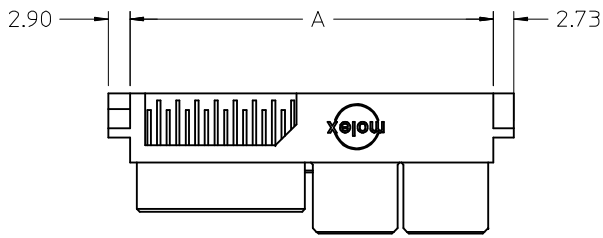
SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE LPH RECEPTACLE ASSEMBLY RT ANGLE 4 CIRCUIT POWER CONNECTOR		
MOLEX MOLEX INCORPORATED		
DOCUMENT NO. SD-45984-400		SHEET NO. 2 OF 5

D

C

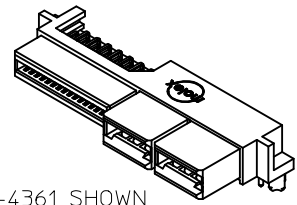
B

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OPTIONAL PEGS

MOUNTING PEG OPTIONS



45984-4361 SHOWN
FOR REF ONLY
SEE CHART

REVISED	EC NO: UCP2009-0971	2008/11/13	DESCRIPTION
	DRWN:MBANDURA	2008/11/14	
	CHKD:		
	APPR:APATEL	2008/11/17	
	REV		

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
SAMIEC	2005/05/13
CHECKED BY	DATE
SAMIEC	2005/05/13
APPROVED BY	DATE
MARGULIS	2005/05/13
MATERIAL NO.	
SIZE	
A	

SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
TITLE LPH RECEPTACLE ASSEMBLY RT ANGLE 4 CIRCUIT POWER CONNECTOR			
MOLEX INCORPORATED			
DOCUMENT NO. SD-45984-400			SHEET NO. 3 OF 5
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

NO OF SIGNAL	MATERIAL NUMBER	DIM A	DIM C	DIM P	PCB THK
12	45984-4311	35.5	37.90	4.50	3.18
16	45984-4321	38.0	40.44		
20	45984-4331	40.6	42.98		
24	45984-4341	43.1	45.52		
28	45984-4351	45.6	48.06		
32	45984-4361	48.2	50.60		
36	45984-4371	50.7	53.14		
40	45984-4381	53.3	55.68	3.60	2.36
12	45984-4312	35.5	37.90		
16	45984-4322	38.0	40.44		
20	45984-4332	40.6	42.98		
24	45984-4342	43.1	45.52		
28	45984-4352	45.6	48.06		
32	45984-4362	48.2	50.60		
36	45984-4372	50.7	53.14		
40	45984-4382	53.3	55.68	2.90	1.57
12	45984-4313	35.5	37.90		
16	45984-4323	38.0	40.44		
20	45984-4333	40.6	42.98		
24	45984-4343	43.1	45.52		
28	45984-4353	45.6	48.06		
32	45984-4363	48.2	50.60		
36	45984-4373	50.7	53.14		
40	45984-4383	53.3	55.68		

D

C

B

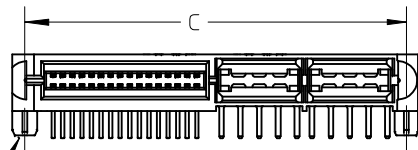
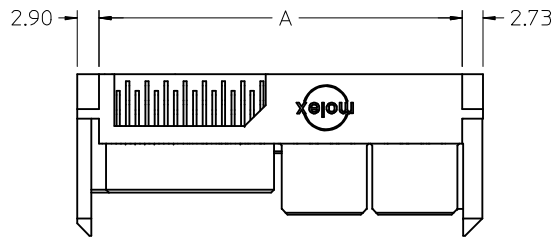
A

D

C

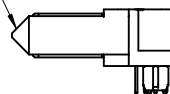
B

A



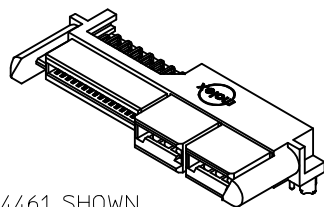
NO OF SIGNALS
OPTIONAL
SEE CHART

OPTIONAL GUIDES



OPTIONAL PEGS

GUIDE POST & MOUNTING PEG OPTIONS



45984-4461 SHOWN
FOR REF ONLY
SEE CHART

REVISED	EC NO: UCP2009-0971	2008/11/13	DRWN:MBANDURA	2008/11/14	CHKD:	2008/11/17	APPR:APATEL	2008/11/17	DESCRIPTION
REV									

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
SAMIEC	2005/05/13
CHECKED BY	DATE
SAMIEC	2005/05/13
APPROVED BY	DATE
MARGULIS	2005/05/13
MATERIAL NO.	
SIZE	
A	

SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
TITLE LPH RECEPTACLE ASSEMBLY RT ANGLE 4 CIRCUIT POWER CONNECTOR			
 MOLEX INCORPORATED			
DOCUMENT NO. SD-45984-400			SHEET NO. 4 OF 5
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

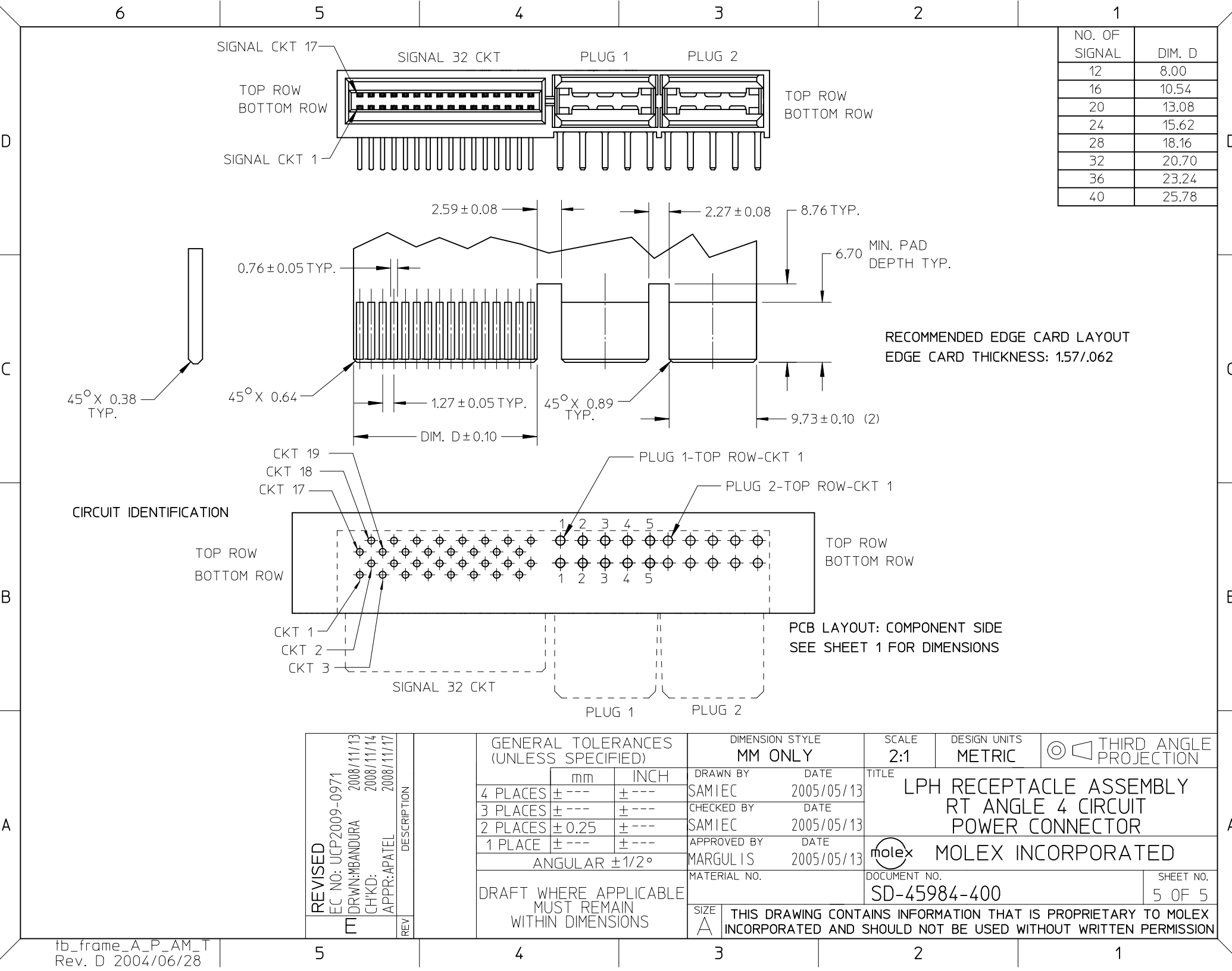
NO OF SIGNAL	MATERIAL NUMBER	DIM A	DIM C	DIM P	PCB THK
12	45984-4411	35.5	37.90	4.50	3.18
16	45984-4421	38.0	40.44		
20	45984-4431	40.6	42.98		
24	45984-4441	43.1	45.52		
28	45984-4451	45.6	48.06		
32	45984-4461	48.2	50.60		
36	45984-4471	50.7	53.14		
40	45984-4481	53.3	55.68		
12	45984-4412	35.5	37.90	3.60	2.36
16	45984-4422	38.0	40.44		
20	45984-4432	40.6	42.98		
24	45984-4442	43.1	45.52		
28	45984-4452	45.6	48.06		
32	45984-4462	48.2	50.60		
36	45984-4472	50.7	53.14		
40	45984-4482	53.3	55.68		
12	45984-4413	35.5	37.90	2.90	1.57
16	45984-4423	38.0	40.44		
20	45984-4433	40.6	42.98		
24	45984-4443	43.1	45.52		
28	45984-4453	45.6	48.06		
32	45984-4463	48.2	50.60		
36	45984-4473	50.7	53.14		
40	45984-4483	53.3	55.68		

D

C

B

A



NO. OF SIGNAL	DIM. D
12	8.00
16	10.54
20	13.08
24	15.62
28	18.16
32	20.70
36	23.24
40	25.78

RECOMMENDED EDGE CARD LAYOUT
EDGE CARD THICKNESS: 1.57/0.62

PCB LAYOUT: COMPONENT SIDE
SEE SHEET 1 FOR DIMENSIONS

REVISED EC NO: UCP2009-0971 DRWN:MBANDURA CHKD: APPR:APATEL REV	DESCRIPTION 2008/11/13 2008/11/14 2008/11/17	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				DRAWN BY SAMIEC	DATE 2005/05/13	TITLE LPH RECEPTACLE ASSEMBLY RT ANGLE 4 CIRCUIT POWER CONNECTOR				
				CHECKED BY SAMIEC	DATE 2005/05/13					
				APPROVED BY MARGULIS	DATE 2005/05/13	MOLEX INCORPORATED				
		ANGULAR ±1/2°		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				