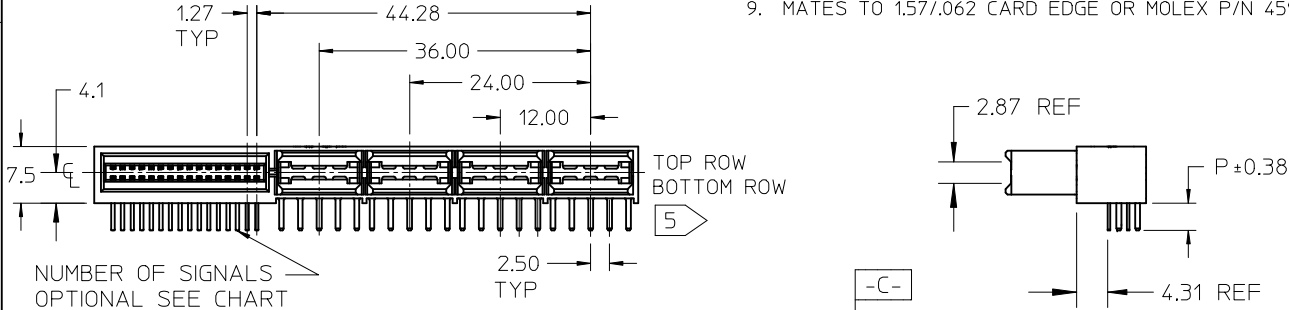


- NOTES:
1. MATERIAL HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94V-0, COLOR-BLACK.
CONTACT: COPPER ALLOY.
 2. FINISH: SELECT GOLD - 0.76 MICROMETER/30 MICROINCH MINIMUM;
SELECT TIN - 3.81 MICROMETER/150 MICROINCH MINIMUM;
BOTH OVER NICKEL - 1.27 MICROMETER/50 MICROINCH MINIMUM.
 3. POWER TERMINALS LUBRICATED IN CONTACT AREA.
 4. PRODUCT SPECIFICATION: PS-45984-001.
 5. PACKAGING: TRAY PER PK-45984-001.
 6. SEE SHEET 5 FOR CKT IDENTIFICATION.
 7. PARTS ARE RoHS COMPLIANT.
 8. PEG HOLES ARE OPTIONAL SEE SHEET 3 AND 4.
 9. MATES TO 1577.062 CARD EDGE OR MOLEX P/N 45985-8***.

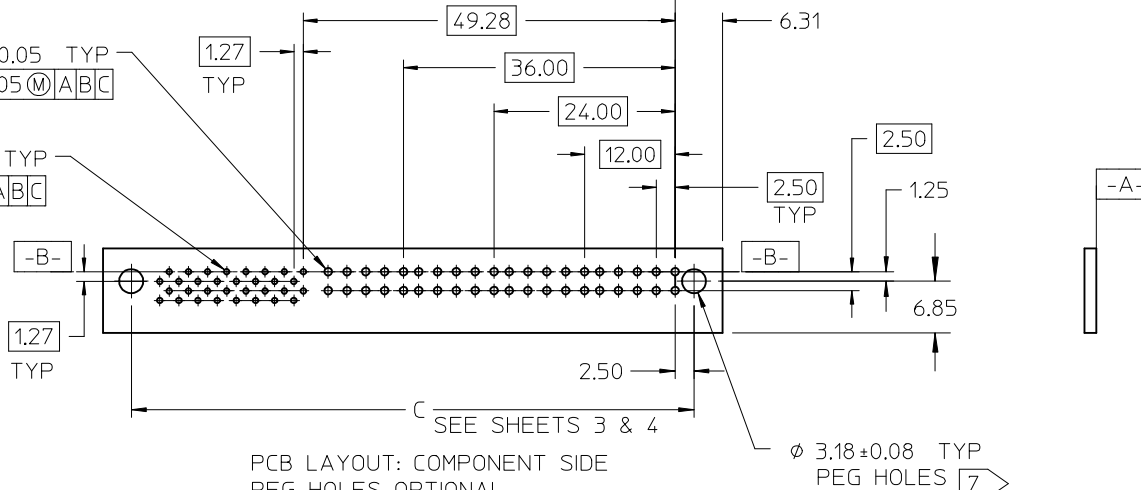
NO OF SIGNAL	MATERIAL NUMBER	DIM A	DIM P	PCB THK
12	45984-8111	59.5	4.50	3.18
16	45984-8121	62.0		
20	45984-8131	64.6		
24	45984-8141	67.1		
28	45984-8151	69.6	3.60	2.36
32	45984-8161	72.2		
36	45984-8171	74.7		
40	45984-8181	77.3		
12	45984-8112	59.5	2.90	1.57
16	45984-8122	62.0		
20	45984-8132	64.6		
24	45984-8142	67.1		
28	45984-8152	69.6	-C-	-B-
32	45984-8162	72.2		
36	45984-8172	74.7		
40	45984-8182	77.3		
12	45984-8113	59.5	-A-	-B-
16	45984-8123	62.0		
20	45984-8133	64.6		
24	45984-8143	67.1		
28	45984-8153	69.6	-C-	-B-
32	45984-8163	72.2		
36	45984-8173	74.7		
40	45984-8183	77.3		



NUMBER OF SIGNALS
OPTIONAL SEE CHART

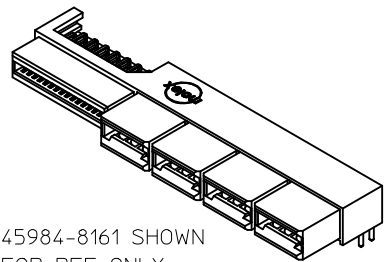
ϕ 1.02 ± 0.05 TYP
 $\oplus \ominus \text{M} \text{ABC}$

ϕ 0.76 ± 0.05 TYP
 $\oplus \ominus \text{M} \text{ABC}$



PCB LAYOUT: COMPONENT SIDE
PEG HOLES OPTIONAL

ϕ 3.18 ± 0.08 TYP
PEG HOLES 7



45984-8161 SHOWN
FOR REF ONLY
SEE CHART

MODIFY HSG NOTE EC NO: UCP2014-4975 DRWN: MBANDURA 2014/05/28 CH'KD: APPR: APATEL 2014/06/06	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla \text{E} = 0$	mm INCH	MM ONLY	1:1	METRIC	
	$\nabla \text{E} = 0$	4 PLACES ± --- ± ---	DRAWN BY DATE			
	$\nabla \text{E} = 0$	3 PLACES ± --- ± ---	SAMIEC 2005/05/13			
	$\nabla \text{E} = 0$	2 PLACES ± 0.25 ± ---	CHECKED BY DATE			
	$\nabla \text{E} = 0$	1 PLACE ± --- ± ---	SAMIEC 2005/05/13			
		ANGULAR ± 1/2°	APPROVED BY DATE			
			MARGULIS 2005/05/13			
			MATERIAL NO.			
			SEE CHART			

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

TITLE	
LPH RECEPTACLE ASSEMBLY RT ANGLE 8 CIRCUIT POWER CONNECTOR	
MOLEX INCORPORATED	
DOCUMENT NO.	SHEET NO.
SD-45984-800	1 OF 5

TITLE	
LPH RECEPTACLE ASSEMBLY RT ANGLE 8 CIRCUIT POWER CONNECTOR	
MOLEX INCORPORATED	
DOCUMENT NO.	SHEET NO.
SD-45984-800	1 OF 5

6

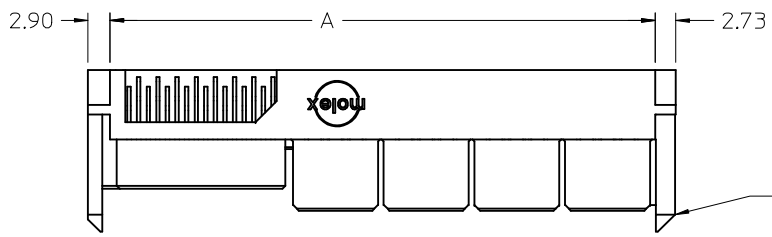
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4

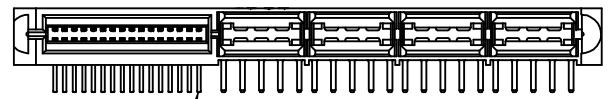
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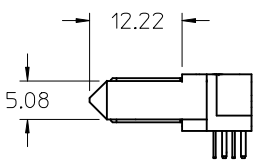
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OPTIONAL GUIDES
SEE CHART

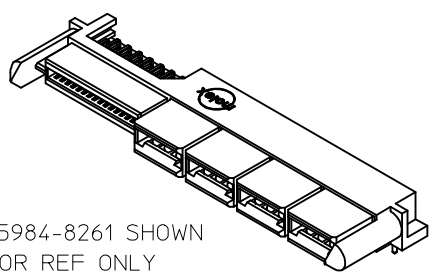


NO OF SIGNALS
OPTIONAL
SEE CHART



GUIDE POST OPTIONS

NO OF SIGNAL	MATERIAL NUMBER	DIM A	DIM P	PCB THK
12	45984-8211	59.5	4.50	3.18
16	45984-8221	62.0		
20	45984-8231	64.6		
24	45984-8241	67.1		
28	45984-8251	69.6		
32	45984-8261	72.2	3.60	2.36
36	45984-8271	74.7		
40	45984-8281	77.3		
12	45984-8212	59.5		
16	45984-8222	62.0		
20	45984-8232	64.6	2.90	1.57
24	45984-8242	67.1		
28	45984-8252	69.6		
32	45984-8262	72.2		
36	45984-8272	74.7		
40	45984-8282	77.3	2.90	1.57
12	45984-8213	59.5		
16	45984-8223	62.0		
20	45984-8233	64.6		
24	45984-8243	67.1	2.90	1.57
28	45984-8253	69.6		
32	45984-8263	72.2		
36	45984-8273	74.7		
40	45984-8283	77.3		



45984-8261 SHOWN
FOR REF ONLY
SEE CHART

SEE SHEET 1 EC NO: UCP2014-4975 DRWN:MBANDURA 2014/05/28 CHKD: APPR:APATEL 2014/06/06	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY SAMIEC	DATE 2005/05/13	TITLE LPH RECEPTACLE ASSEMBLY RT ANGLE 8 CIRCUIT POWER CONNECTOR			
		4 PLACES	± ---	± ---	CHECKED BY SAMIEC	DATE 2005/05/13				
		3 PLACES	± ---	± ---	APPROVED BY MARGULIS		DATE 2005/05/13		MOLEX INCORPORATED	
2 PLACES	± 0.25	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-45984-800		SHEET NO. 2 OF 5			
1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
		ANGULAR ±1/2°		SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

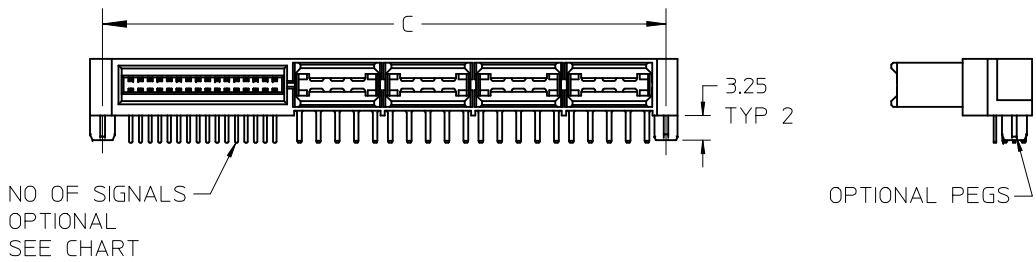
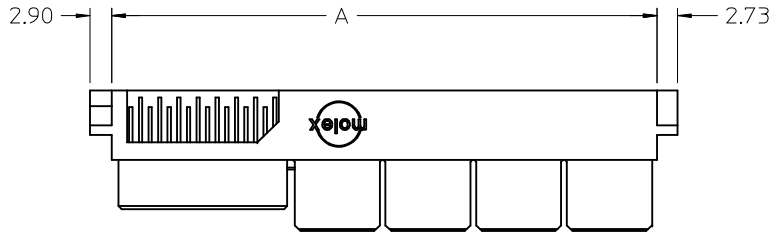
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4

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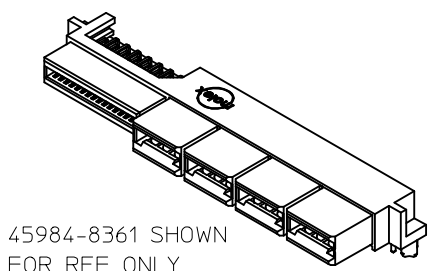
2

1



MOUNTING PEG OPTIONS

NO OF SIGNAL	MATERIAL NUMBER	DIM A	DIM C	DIM P	PCB THK
12	45984-8311	59.5	61.90	4.50	3.18
16	45984-8321	62.0	64.44		
20	45984-8331	64.6	66.98		
24	45984-8341	67.1	69.52		
28	45984-8351	69.6	72.06		
32	45984-8361	72.2	74.60		
36	45984-8371	74.7	77.14	3.60	2.36
40	45984-8381	77.3	79.68		
12	45984-8312	59.5	61.90		
16	45984-8322	62.0	64.44		
20	45984-8332	64.6	66.98		
24	45984-8342	67.1	69.52		
28	45984-8352	69.6	72.06	2.90	1.57
32	45984-8362	72.2	74.60		
36	45984-8372	74.7	77.14		
40	45984-8382	77.3	79.68		
12	45984-8313	59.5	61.90		
16	45984-8323	62.0	64.44		
20	45984-8333	64.6	66.98	2.90	1.57
24	45984-8343	67.1	69.52		
28	45984-8353	69.6	72.06		
32	45984-8363	72.2	74.60		
36	45984-8373	74.7	77.14		
40	45984-8383	77.3	79.68		



45984-8361 SHOWN
FOR REF ONLY
SEE CHART

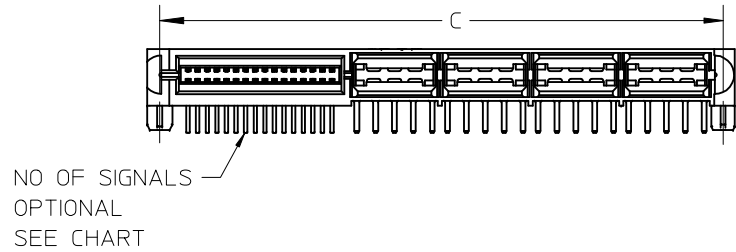
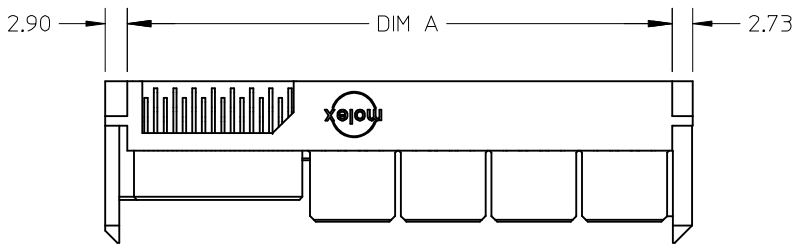
SEE SHEET 1	DRWN:MBANDURA	2014/05/28
	CHKD:	
G	APPR:APATEL	2014/06/06
	REV	

QUALITY SYMBOLS	DESCRIPTION
	=0
	=0
	=0

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.	
SEE CHART	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
1:1	METRIC		
TITLE			
LPH RECEPTACLE ASSEMBLY RT ANGLE 8 CIRCUIT POWER CONNECTOR			
MOLEX INCORPORATED			
DOCUMENT NO.			SHEET NO.
SD-45984-800			3 OF 5
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



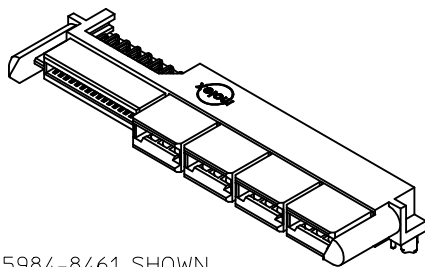
OPTIONAL GUIDES

OPTIONAL PEGS

NO OF SIGNALS
OPTIONAL
SEE CHART

GUIDE POST & MOUNTING PEG OPTIONS

NO OF SIGNAL	MATERIAL NUMBER	DIM A	DIM C	DIM P	PCB THK
12	45984-8411	59.5	61.90	4.50	3.18
16	45984-8421	62.0	64.44		
20	45984-8431	64.6	66.98		
24	45984-8441	67.1	69.52		
28	45984-8451	69.6	72.06		
32	45984-8461	72.2	74.60		
36	45984-8471	74.7	77.14	3.60	2.36
40	45984-8481	77.3	79.68		
12	45984-8412	59.5	61.90		
16	45984-8422	62.0	64.44		
20	45984-8432	64.6	66.98		
24	45984-8442	67.1	69.52		
28	45984-8452	69.6	72.06	2.90	1.57
32	45984-8462	72.2	74.60		
36	45984-8472	74.7	77.14		
40	45984-8482	77.3	79.68		
12	45984-8413	59.5	61.90		
16	45984-8423	62.0	64.44		
20	45984-8433	64.6	66.98	2.90	1.57
24	45984-8443	67.1	69.52		
28	45984-8453	69.6	72.06		
32	45984-8463	72.2	74.60		
36	45984-8473	74.7	77.14		
40	45984-8483	77.3	79.68		



45984-8461 SHOWN
FOR REF ONLY
SEE CHART

SEE SHEET 1 EC NO: UCP2014-4975 DRWN:MBANDURA 2014/05/28 CHKD: APPR:APATEL 2014/06/06 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	$\nabla_F = 0$ $\nabla_E = 0$ $\nabla_P = 0$	<table border="1"> <thead> <tr><th></th><th>mm</th><th>INCH</th></tr> </thead> <tbody> <tr><td>4 PLACES</td><td>\pm ---</td><td>\pm ---</td></tr> <tr><td>3 PLACES</td><td>\pm ---</td><td>\pm ---</td></tr> <tr><td>2 PLACES</td><td>± 0.25</td><td>\pm ---</td></tr> <tr><td>1 PLACE</td><td>\pm ---</td><td>\pm ---</td></tr> </tbody> </table>		mm	INCH	4 PLACES	\pm ---	\pm ---	3 PLACES	\pm ---	\pm ---	2 PLACES	± 0.25	\pm ---	1 PLACE	\pm ---	\pm ---	MM ONLY	1:1	METRIC	
		mm	INCH																		
	4 PLACES	\pm ---	\pm ---																		
3 PLACES	\pm ---	\pm ---																			
2 PLACES	± 0.25	\pm ---																			
1 PLACE	\pm ---	\pm ---																			
ANGULAR $\pm 1/2^\circ$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	<table border="1"> <thead> <tr><th>DRAWN BY</th><th>DATE</th></tr> </thead> <tbody> <tr><td>SAMIEC</td><td>2005/05/13</td></tr> <tr><th>CHECKED BY</th><th>DATE</th></tr> <tr><td>SAMIEC</td><td>2005/05/13</td></tr> <tr><th>APPROVED BY</th><th>DATE</th></tr> <tr><td>MARGULIS</td><td>2005/05/13</td></tr> </tbody> </table>	DRAWN BY	DATE	SAMIEC	2005/05/13	CHECKED BY	DATE	SAMIEC	2005/05/13	APPROVED BY	DATE	MARGULIS	2005/05/13	TITLE	LPH RECEPTACLE ASSEMBLY RT ANGLE 8 CIRCUIT POWER CONNECTOR					
DRAWN BY	DATE																				
SAMIEC	2005/05/13																				
CHECKED BY	DATE																				
SAMIEC	2005/05/13																				
APPROVED BY	DATE																				
MARGULIS	2005/05/13																				
			SEE CHART	MATERIAL NO.	DOCUMENT NO.	SHEET NO.															
			SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			4 OF 5														

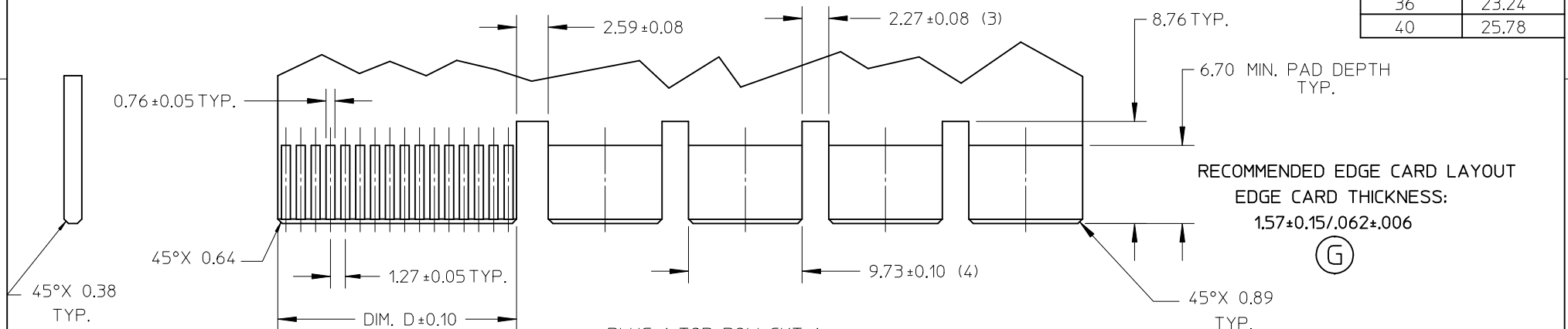
SIGNAL CKT 17
TOP ROW
BOTTOM ROW
SIGNAL CKT 1

PLUG 1 PLUG 2 PLUG 3 PLUG 4

TOP ROW
BOTTOM ROW

SIGNAL 32 CKT

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 ± 0.15 / 0.62 ± 0.06



CKT 19
CKT 18
CKT 17

PLUG 1-TOP ROW-CKT 1
PLUG 2-TOP ROW-CKT 1
PLUG 3-TOP ROW-CKT 1
PLUG 4-TOP ROW-CKT 1

TOP ROW
BOTTOM ROW

TOP ROW
BOTTOM ROW

CKT 1
CKT 2
CKT 3

SIGNAL 32 CKT

PLUG 1 PLUG 2 PLUG 3 PLUG 4

PCB LAYOUT: COMPONENT SIDE
SEE SHEET 1 FOR DIMENSIONS

SEE SHEET 1 EC NO: UCP2014-4975 DRWN: MBANDURA 2014/05/28 CHKD: APPR: APATEL 2014/06/06 G REV	QUALITY SYMBOLS $\nabla \text{E} = 0$ $\nabla \text{E} = 0$ $\nabla \text{E} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY DRAWN BY: SAMIEC DATE: 2005/05/13 CHECKED BY: SAMIEC DATE: 2005/05/13 APPROVED BY: MARGULIS DATE: 2005/05/13 MATERIAL NO.	SCALE: 2:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: LPH RECEPTACLE ASSEMBLY RT ANGLE 8 CIRCUIT POWER CONNECTOR MOLEX MOLEX INCORPORATED DOCUMENT NO. SD-45984-800 SHEET NO. 5 OF 5
		mm	INCH																	
	4 PLACES	± ---	± ---																	
	3 PLACES	± ---	± ---																	
2 PLACES	± 0.25	± ---																		
1 PLACE	± ---	± ---																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	