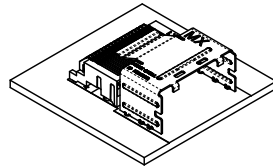
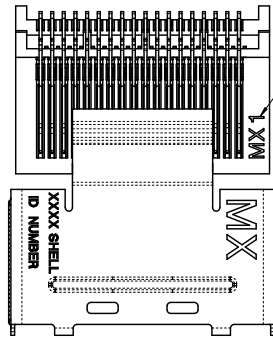
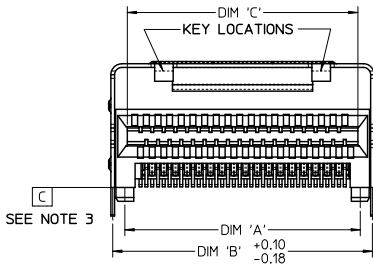


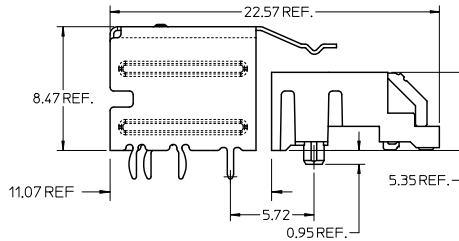
13 12 11 10 9 8 7 6 5 4 3 2 1



- NOTES:
- MATERIAL:  
CONNECTOR:  
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK  
TERMINALS - COPPER ALLOY  
SHELL:  
SILVER NICKEL, C770, THICKNESS: 0.250/0.254
  - FINISH:  
CONNECTOR  
OPTION 1  
CONTACT AREA - 0.384mm MIN GOLD OVER 2.54 μm NICKEL  
SOLDER FOOT AREA - 2.54-5.09mm TIN OVER 1.27 μm NICKEL  
OPTION 2  
CONTACT AREA - 0.764mm MIN GOLD OVER 2.54 μm NICKEL  
SOLDER FOOT AREA - 2.54-5.09mm TIN OVER 1.27 μm NICKEL
  - TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10 MEASURED FROM FRONT HOUSING STAND OFF (DATUM C)
  - DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) CONNECTOR ONLY
  - CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1.
  - TO BE USED WITH THE FOLLOWING CABLE SERIES:  
79575/74563/79576/74573/79536/74562/74569/74586
  - PACKAGED PER PACKAGING SPECIFICATION: PK-75783-001
  - CONFORMS TO PRODUCT SPECIFICATION: PS-75783-001
  - PROCESS PER APPLICATION SPECIFICATION: AS-75783-001
  - THIS PART CONFORMS TO CLASS C REQUIREMENTS OF COSMETIC SPEC PS-45499-002



36 CIRCUIT  
RETENTION FIT  
SHELL OPTION SHOWN



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CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'
26	12.00	13.80	11.80
36	16.00	17.80	15.80
50	21.60	23.40	21.40
68	28.80	30.60	28.60

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	mm	INCH	MM ONLY	INCH	5:1	METRIC	
▽=0	4 PLACES ±---	±---	DRAWN BY	DATE	TITLE		
▽=0	3 PLACES ±---	±---	KLANG	02/09/05	I-PASS R/A CONNECTOR		
	2 PLACES ±0.13	±---	CHECKED BY	DATE	INTERNAL ASSY W/SHELL		
	1 PLACE ±0.25	±---	JSMENSON	02/09/05	0.8MM PITCH I/O		
	ANGULAR ±1/2°		APPROVED BY	DATE	MOLEX INCORPORATED		
			MBANAKIS	02/02/05	MATERIAL NO. DOCUMENT NO.		
					SD-75783-001		
					SHEET NO.		
					1 OF 12		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

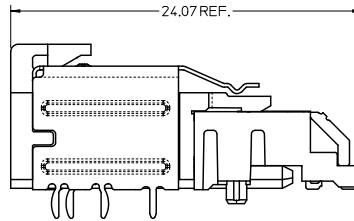
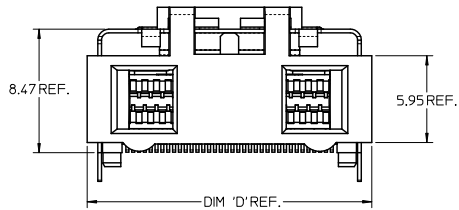
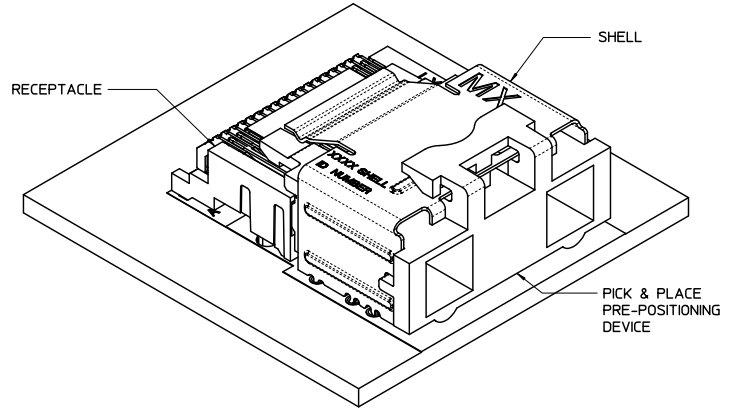
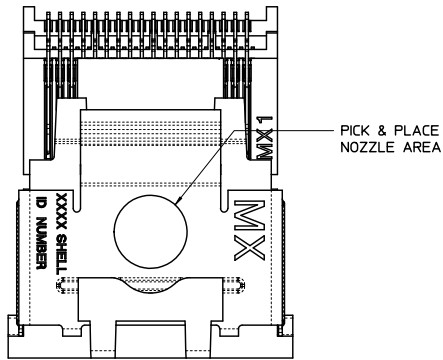
SEE CHART

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

12 11 10 9 8 7 6 5 4 3 2 1

13 12 11 10 9 8 7 6 5 4 3 2 1

### ASSEMBLY WITH PRE-POSITION DEVICE



36 CIRCUIT RETENTION-FIT SHELL OPTION SHOWN

**NOTES:**

1. PICK AND PLACE AREA DEFINED IN APPLICATION SPECIFICATION, AS-75783-001
2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN 'TAPE AND REEL' FOR ROBOTIC PICK AND PLACE.

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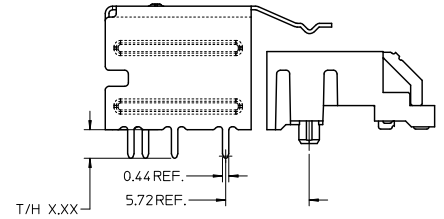
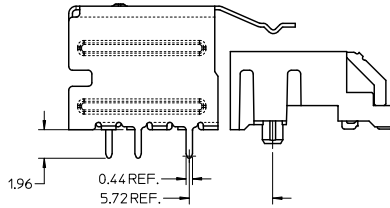
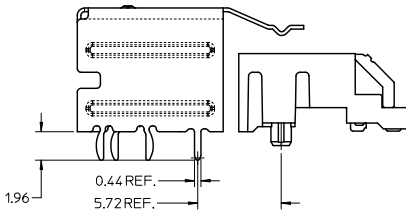
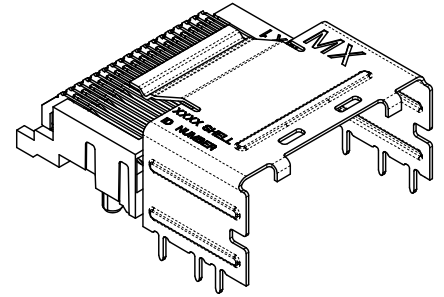
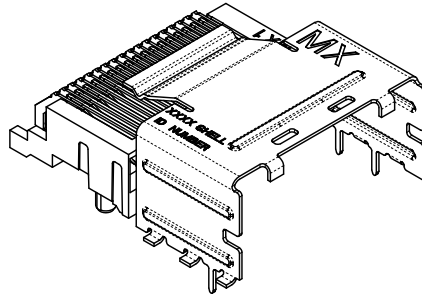
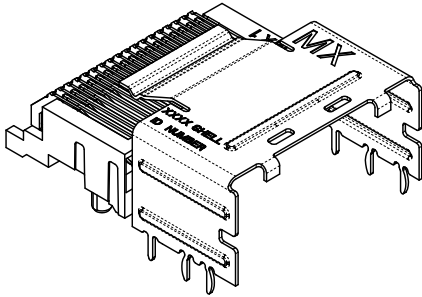
CIRCUIT SIZE	DIM 'D'
26	15.50
36	19.50
50	25.10
68	32.30

SEE SHEET 1 EC NO: UCP2011-0393 DRW: KLKANG CHKD: MBANAK1S APPR: MBANAK1S DATE: 2010/08/16 DATE: 2010/08/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		5:1	METRIC		
				DRAWN BY		DATE	TITLE		
				KLANG		02/09/05	I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O		
		4 PLACES ±---		3 PLACES ±---		CHECKED BY		MOLEX INCORPORATED SD-75783-001	
		3 PLACES ±---		2 PLACES ±0.13		DATE			
		2 PLACES ±0.13		1 PLACE ±0.25		JSWENSON			
		1 PLACE ±0.25		ANGULAR ±1/2°		DATE			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		APPROVED BY		SHEET NO. 2 OF 12	
		MATERIAL NO.		DATE		DOCUMENT NO.			
		MBANAK1S		02/02/05		SD-75783-001			
		SIZE		C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

12 11 10 9 8 7 6 5 4 3 2 1

13 12 11 10 9 8 7 6 5 4 3 2 1

### SHELL PCB INTERFACE



RETENTION-FIT SHELL OPTION

SMT SHELL OPTION

THRU-HOLE SHELL OPTION  
SEE TABLE FOR LENGTH  
(X.XX DENOTES TAIL LENGTH)

RECOMMENDED PCB THICKNESS FOR SPECIFIED TAIL LENGTH

TAIL LENGTH	PCB THICKNESS
1.96	1.57 (.062)
2.79	2.36 (.093)
3.18	2.79 (.110)
3.56	3.18 (.125)

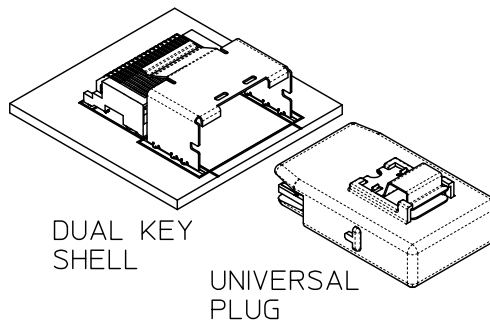
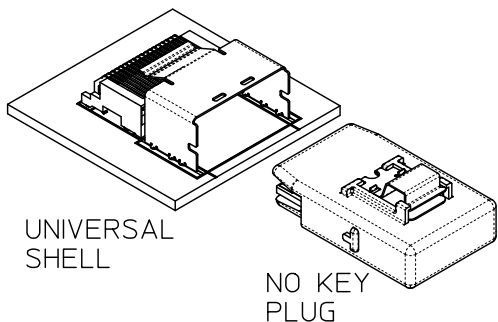
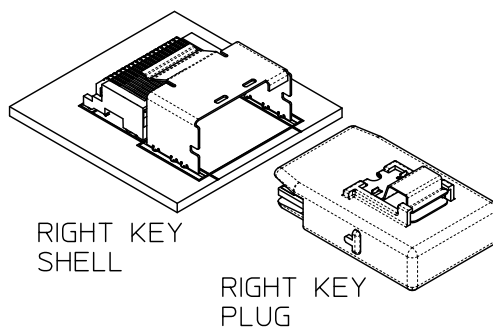
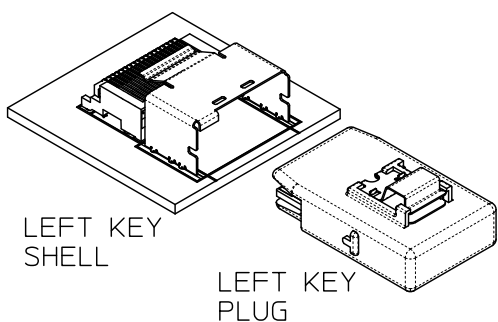
NOTE:  
RETENTION FIT DENOTES TAILS THAT OFFER RETENTION TO PCB DURING REFLOW PROCESS  
SMT DENOTES SURFACE MOUNT TERMINATION  
T/H X.XX DENOTES THRU-HOLE TAIL OF LENGTH X.XX

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SEE SHEET 1 EC NO: UCP2011-0393 DRW: KLKANG CHK: CHFKC APPR: MBANAK1S REV: D2	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$	mm	INCH	MM ONLY		5:1	METRIC	
		4 PLACES ±---	±---	DRAWN BY	DATE	TITLE		
		3 PLACES ±---	±---	KLKANG	02/09/05	I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O		
	2 PLACES ±0.13	±---	CHECKED BY	DATE	MATERIAL NO.			
	1 PLACE ±0.25	±---	JSWENSON	02/09/05	MOLEX INCORPORATED			
	ANGULAR ±1/2°		APPROVED BY	DATE	DOCUMENT NO.			
			MBANAK1S	02/02/05	SD-75783-001			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE	SEE CHART				SHEET NO. 3 OF 12
			C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

12 11 10 9 8 7 6 5 4 3 2 1

# KEYING OPTIONS



	UNIVERSAL SHELL	LEFT KEY SHELL	RIGHT KEY SHELL	DUAL KEY SHELL
NO KEY PLUG	YES	NO	NO	NO
LEFT KEY PLUG	YES	YES	NO	NO
RIGHT KEY PLUG	YES	NO	YES	NO
UNIVERSAL PLUG	YES	YES	YES	YES

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1 EC NO: UEP2011-0393 DRW: KLANG 2010/08/12 CHKD: MBANAKIS 2010/08/16 APPR: MBANAKIS 2010/08/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1" style="font-size: small;"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.005</td> <td>±.0004</td> </tr> <tr> <td>3 PLACES</td> <td>±.008</td> <td>±.0003</td> </tr> <tr> <td>2 PLACES</td> <td>±0.13</td> <td>±.005</td> </tr> <tr> <td>1 PLACE</td> <td>±0.25</td> <td>±.010</td> </tr> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES	±.005	±.0004	3 PLACES	±.008	±.0003	2 PLACES	±0.13	±.005	1 PLACE	±0.25	±.010	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																		
	4 PLACES	±.005	±.0004																		
	3 PLACES	±.008	±.0003																		
2 PLACES	±0.13	±.005																			
1 PLACE	±0.25	±.010																			
		DRAWN BY: KLANG DATE: 02/09/05 CHECKED BY: JSWENSON DATE: 02/09/05 APPROVED BY: MBANAKIS DATE: 02/02/05		TITLE I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O																	
		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-75783-001			SHEET NO. 4 OF 12														
DRAFT WHERE APPLICABLE 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

### 26 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
26	75783-0007	OPTION 1	RETENTION	LEFT
26	75783-0008	OPTION 1	RETENTION	RIGHT
26	75783-0009	OPTION 1	RETENTION	DUAL
26	75783-0010	OPTION 1	SMT	LEFT
26	75783-0011	OPTION 1	SMT	RIGHT
26	75783-0012	OPTION 1	SMT	DUAL
26	75783-0019	OPTION 2	RETENTION	LEFT
26	75783-0020	OPTION 2	RETENTION	RIGHT
26	75783-0021	OPTION 2	RETENTION	DUAL
26	75783-0022	OPTION 2	SMT	LEFT
26	75783-0023	OPTION 2	SMT	RIGHT
26	75783-0024	OPTION 2	SMT	DUAL
26	75783-0025	OPTION 1	RETENTION	UNIVERSAL
26	75783-0026	OPTION 1	SMT	UNIVERSAL
26	75783-0027	OPTION 2	RETENTION	UNIVERSAL
26	75783-0028	OPTION 2	SMT	UNIVERSAL
26	75783-0029	OPTION 1	T/H 1.96	LEFT
26	75783-0030	OPTION 1	T/H 1.96	RIGHT
26	75783-0031	OPTION 1	T/H 1.96	DUAL
26	75783-0032	OPTION 1	T/H 1.96	UNIVERSAL
26	75783-0033	OPTION 2	T/H 1.96	LEFT
26	75783-0034	OPTION 2	T/H 1.96	RIGHT
26	75783-0035	OPTION 2	T/H 1.96	DUAL
26	75783-0036	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
26	75783-0037	OPTION 1	T/H 2.79	LEFT
26	75783-0038	OPTION 1	T/H 2.79	RIGHT
26	75783-0039	OPTION 1	T/H 2.79	DUAL
26	75783-0040	OPTION 1	T/H 2.79	UNIVERSAL
26	75783-0041	OPTION 2	T/H 2.79	LEFT
26	75783-0042	OPTION 2	T/H 2.79	RIGHT
26	75783-0043	OPTION 2	T/H 2.79	DUAL
26	75783-0044	OPTION 2	T/H 2.79	UNIVERSAL
26	75783-0045	OPTION 1	T/H 3.18	LEFT
26	75783-0046	OPTION 1	T/H 3.18	RIGHT
26	75783-0047	OPTION 1	T/H 3.18	DUAL
26	75783-0048	OPTION 1	T/H 3.18	UNIVERSAL
26	75783-0049	OPTION 2	T/H 3.18	LEFT
26	75783-0050	OPTION 2	T/H 3.18	RIGHT
26	75783-0051	OPTION 2	T/H 3.18	DUAL
26	75783-0052	OPTION 2	T/H 3.18	UNIVERSAL

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SEE SHEET 1 EC NO: UCP2011-0393 2010/08/12 DRW:KLANG CHK:KLANG APPR:MBANK1S 2010/08/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY KLANG	DATE 02/09/05	TITLE I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
				CHECKED BY JSWENSON	DATE 02/09/05	MATERIAL NO. MBANK1S			
				APPROVED BY MBANK1S	DATE 02/02/05	DOCUMENT NO. SD-75783-001			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 5 OF 12	

12 11 10 9 8 7 6 5 4 3 2 1

13 12 11 10 9 8 7 6 5 4 3 2 1

### 36 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75783-0107	OPTION 1	RETENTION	LEFT
36	75783-0108	OPTION 1	RETENTION	RIGHT
36	75783-0109	OPTION 1	RETENTION	DUAL
36	75783-0110	OPTION 1	SMT	LEFT
36	75783-0111	OPTION 1	SMT	RIGHT
36	75783-0112	OPTION 1	SMT	DUAL
36	75783-0119	OPTION 2	RETENTION	LEFT
36	75783-0120	OPTION 2	RETENTION	RIGHT
36	75783-0121	OPTION 2	RETENTION	DUAL
36	75783-0122	OPTION 2	SMT	LEFT
36	75783-0123	OPTION 2	SMT	RIGHT
36	75783-0124	OPTION 2	SMT	DUAL
36	75783-0125	OPTION 1	RETENTION	UNIVERSAL
36	75783-0126	OPTION 1	SMT	UNIVERSAL
36	75783-0127	OPTION 2	RETENTION	UNIVERSAL
36	75783-0128	OPTION 2	SMT	UNIVERSAL
36	75783-0129	OPTION 1	T/H 1.96	LEFT
36	75783-0130	OPTION 1	T/H 1.96	RIGHT
36	75783-0131	OPTION 1	T/H 1.96	DUAL
36	75783-0132	OPTION 1	T/H 1.96	UNIVERSAL
36	75783-0133	OPTION 2	T/H 1.96	LEFT
36	75783-0134	OPTION 2	T/H 1.96	RIGHT
36	75783-0135	OPTION 2	T/H 1.96	DUAL
36	75783-0136	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75783-0137	OPTION 1	T/H 2.79	LEFT
36	75783-0138	OPTION 1	T/H 2.79	RIGHT
36	75783-0139	OPTION 1	T/H 2.79	DUAL
36	75783-0140	OPTION 1	T/H 2.79	UNIVERSAL
36	75783-0141	OPTION 2	T/H 2.79	LEFT
36	75783-0142	OPTION 2	T/H 2.79	RIGHT
36	75783-0143	OPTION 2	T/H 2.79	DUAL
36	75783-0144	OPTION 2	T/H 2.79	UNIVERSAL
36	75783-0145	OPTION 1	T/H 3.18	LEFT
36	75783-0146	OPTION 1	T/H 3.18	RIGHT
36	75783-0147	OPTION 1	T/H 3.18	DUAL
36	75783-0148	OPTION 1	T/H 3.18	UNIVERSAL
36	75783-0149	OPTION 2	T/H 3.18	LEFT
36	75783-0150	OPTION 2	T/H 3.18	RIGHT
36	75783-0151	OPTION 2	T/H 3.18	DUAL
36	75783-0152	OPTION 2	T/H 3.18	UNIVERSAL
36	75783-0153	OPTION 1	T/H 3.56	LEFT
36	75783-0154	OPTION 1	T/H 3.56	RIGHT
36	75783-0155	OPTION 1	T/H 3.56	DUAL
36	75783-0156	OPTION 1	T/H 3.56	UNIVERSAL
36	75783-0157	OPTION 2	T/H 3.56	LEFT
36	75783-0158	OPTION 2	T/H 3.56	RIGHT
36	75783-0159	OPTION 2	T/H 3.56	DUAL
36	75783-0160	OPTION 2	T/H 3.56	UNIVERSAL

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<b>ENTER DESCRIPTION</b> EC NO: UCP2011-0393 DRAWN BY: DRWNSKLANG CHKD: CHFKC APPR: MBANAK1S	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ±--- ±---	3 PLACES ±--- ±---	2 PLACES ±0.13 ±---	1 PLACE ±0.25 ±---	ANGULAR ±1/2°	DRAWN BY: KLANG DATE: 02/09/05	TITLE I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					CHECKED BY: JSWENSON DATE: 02/09/05	MOLEX INCORPORATED		
		SEE CHART					APPROVED BY: MBANAK1S DATE: 02/10/05	MATERIAL NO. SD-75783-001	DOCUMENT NO. SD-75783-001	SHEET NO. 6 OF 12

1b\_frame\_C.P. AM.T  
Rev. D 2004/06/28

12 11 10 9 8 7 6 5 4 3 2 1

13 12 11 10 9 8 7 6 5 4 3 2 1

### 50 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75783-0207	OPTION 1	RETENTION	LEFT
50	75783-0208	OPTION 1	RETENTION	RIGHT
50	75783-0209	OPTION 1	RETENTION	DUAL
50	75783-0210	OPTION 1	SMT	LEFT
50	75783-0211	OPTION 1	SMT	RIGHT
50	75783-0212	OPTION 1	SMT	DUAL
50	75783-0219	OPTION 2	RETENTION	LEFT
50	75783-0220	OPTION 2	RETENTION	RIGHT
50	75783-0221	OPTION 2	RETENTION	DUAL
50	75783-0222	OPTION 2	SMT	LEFT
50	75783-0223	OPTION 2	SMT	RIGHT
50	75783-0224	OPTION 2	SMT	DUAL
50	75783-0225	OPTION 1	RETENTION	UNIVERSAL
50	75783-0226	OPTION 1	SMT	UNIVERSAL
50	75783-0227	OPTION 2	RETENTION	UNIVERSAL
50	75783-0228	OPTION 2	SMT	UNIVERSAL
50	75783-0229	OPTION 1	T/H 1.96	LEFT
50	75783-0230	OPTION 1	T/H 1.96	RIGHT
50	75783-0231	OPTION 1	T/H 1.96	DUAL
50	75783-0232	OPTION 1	T/H 1.96	UNIVERSAL
50	75783-0233	OPTION 2	T/H 1.96	LEFT
50	75783-0234	OPTION 2	T/H 1.96	RIGHT
50	75783-0235	OPTION 2	T/H 1.96	DUAL
50	75783-0236	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75783-0237	OPTION 1	T/H 2.79	LEFT
50	75783-0238	OPTION 1	T/H 2.79	RIGHT
50	75783-0239	OPTION 1	T/H 2.79	DUAL
50	75783-0240	OPTION 1	T/H 2.79	UNIVERSAL
50	75783-0241	OPTION 2	T/H 2.79	LEFT
50	75783-0242	OPTION 2	T/H 2.79	RIGHT
50	75783-0243	OPTION 2	T/H 2.79	DUAL
50	75783-0244	OPTION 2	T/H 2.79	UNIVERSAL
50	75783-0245	OPTION 1	T/H 3.18	LEFT
50	75783-0246	OPTION 1	T/H 3.18	RIGHT
50	75783-0247	OPTION 1	T/H 3.18	DUAL
50	75783-0248	OPTION 1	T/H 3.18	UNIVERSAL
50	75783-0249	OPTION 2	T/H 3.18	LEFT
50	75783-0250	OPTION 2	T/H 3.18	RIGHT
50	75783-0251	OPTION 2	T/H 3.18	DUAL
50	75783-0252	OPTION 2	T/H 3.18	UNIVERSAL

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SEE SHEET 1 E.C. NO. UCP2011-0393 2010/08/12 DRW:KLANG 2010/08/16 CHKD: APPR:MBANK1S 2010/08/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM ONLY		2:1	METRIC				
				DRAWN BY		DATE		TITLE			
				KLANG		02/09/05		I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
		CHECKED BY		DATE		MATERIAL NO.					
		JSWENSON		02/09/05		SD-75783-001					
		APPROVED BY		DATE		DOCUMENT NO.					
		MBANK1S		02/02/05		7 OF 12					
		ANGULAR ±1/2°		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

1b\_frame\_C.P. AM.T  
Rev. D 2004/06/28

12 11 10 9 8 7 6 5 4 3 2 1

13 12 11 10 9 8 7 6 5 4 3 2 1

### 68 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75783-0307	OPTION 1	RETENTION	LEFT
68	75783-0308	OPTION 1	RETENTION	RIGHT
68	75783-0309	OPTION 1	RETENTION	DUAL
68	75783-0310	OPTION 1	SMT	LEFT
68	75783-0311	OPTION 1	SMT	RIGHT
68	75783-0312	OPTION 1	SMT	DUAL
68	75783-0319	OPTION 2	RETENTION	LEFT
68	75783-0320	OPTION 2	RETENTION	RIGHT
68	75783-0321	OPTION 2	RETENTION	DUAL
68	75783-0322	OPTION 2	SMT	LEFT
68	75783-0323	OPTION 2	SMT	RIGHT
68	75783-0324	OPTION 2	SMT	DUAL
68	75783-0325	OPTION 1	RETENTION	UNIVERSAL
68	75783-0326	OPTION 1	SMT	UNIVERSAL
68	75783-0327	OPTION 2	RETENTION	UNIVERSAL
68	75783-0328	OPTION 2	SMT	UNIVERSAL
68	75783-0329	OPTION 1	T/H 1.96	LEFT
68	75783-0330	OPTION 1	T/H 1.96	RIGHT
68	75783-0331	OPTION 1	T/H 1.96	DUAL
68	75783-0332	OPTION 1	T/H 1.96	UNIVERSAL
68	75783-0333	OPTION 2	T/H 1.96	LEFT
68	75783-0334	OPTION 2	T/H 1.96	RIGHT
68	75783-0335	OPTION 2	T/H 1.96	DUAL
68	75783-0336	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75783-0337	OPTION 1	T/H 2.79	LEFT
68	75783-0338	OPTION 1	T/H 2.79	RIGHT
68	75783-0339	OPTION 1	T/H 2.79	DUAL
68	75783-0340	OPTION 1	T/H 2.79	UNIVERSAL
68	75783-0341	OPTION 2	T/H 2.79	LEFT
68	75783-0342	OPTION 2	T/H 2.79	RIGHT
68	75783-0343	OPTION 2	T/H 2.79	DUAL
68	75783-0344	OPTION 2	T/H 2.79	UNIVERSAL
68	75783-0345	OPTION 1	T/H 3.18	LEFT
68	75783-0346	OPTION 1	T/H 3.18	RIGHT
68	75783-0347	OPTION 1	T/H 3.18	DUAL
68	75783-0348	OPTION 1	T/H 3.18	UNIVERSAL
68	75783-0349	OPTION 2	T/H 3.18	LEFT
68	75783-0350	OPTION 2	T/H 3.18	RIGHT
68	75783-0351	OPTION 2	T/H 3.18	DUAL
68	75783-0352	OPTION 2	T/H 3.18	UNIVERSAL

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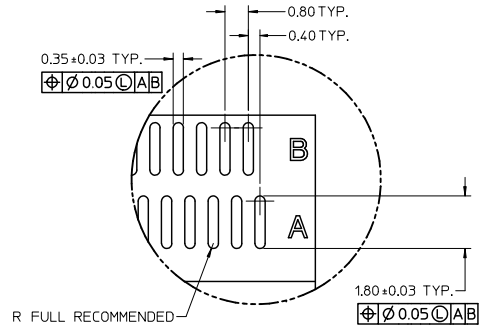
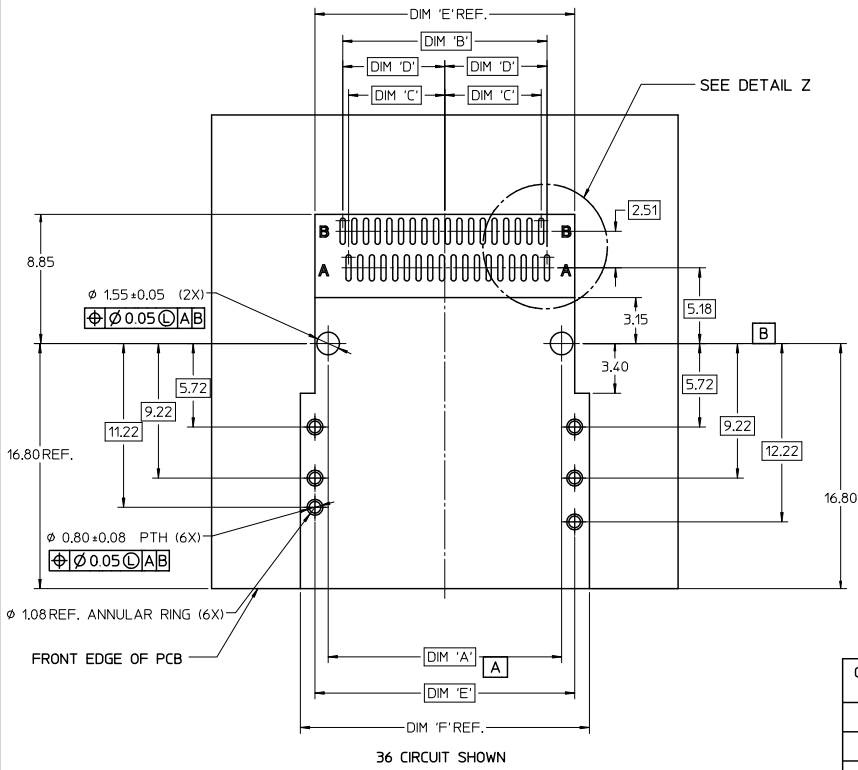
SEE SHEET 1 EC NO: UCP2011-0393 DRW: KLKANG CHK: MBANAK1S APPR: MBANAK1S	2010/08/12 2010/08/16 2010/08/16	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			$\nabla=0$ $\nabla=0$	mm    INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.13 ±--- 1 PLACE ±0.25 ±--- ANGULAR ±1/2°	MM ONLY DRAWN BY: KLKANG    DATE: 02/09/05 CHECKED BY: JSWENSON    DATE: 02/09/05 APPROVED BY: MBANAK1S    DATE: 02/10/05	2:1	METRIC	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	TITLE: I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O MOLEX INCORPORATED	MATERIAL NO.: MBANAK1S DOCUMENT NO.: SD-75783-001	SHEET NO.: 8 OF 12	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

Id\_frame\_C\_P\_AM.T  
Rev. E 2006/04/15

12 11 10 9 8 7 6 5 4 3 2 1



# RIGHT ANGLE CONNECTOR WITH RETENTION FIT & THRU-HOLE SHELL PCB FOOT PRINT



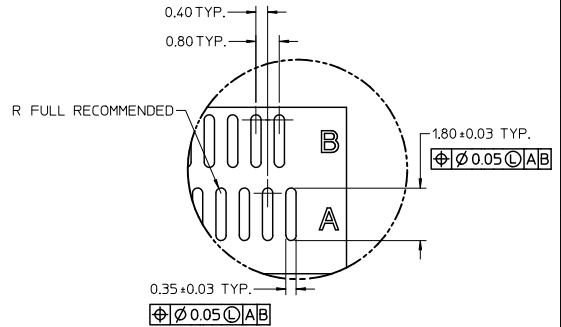
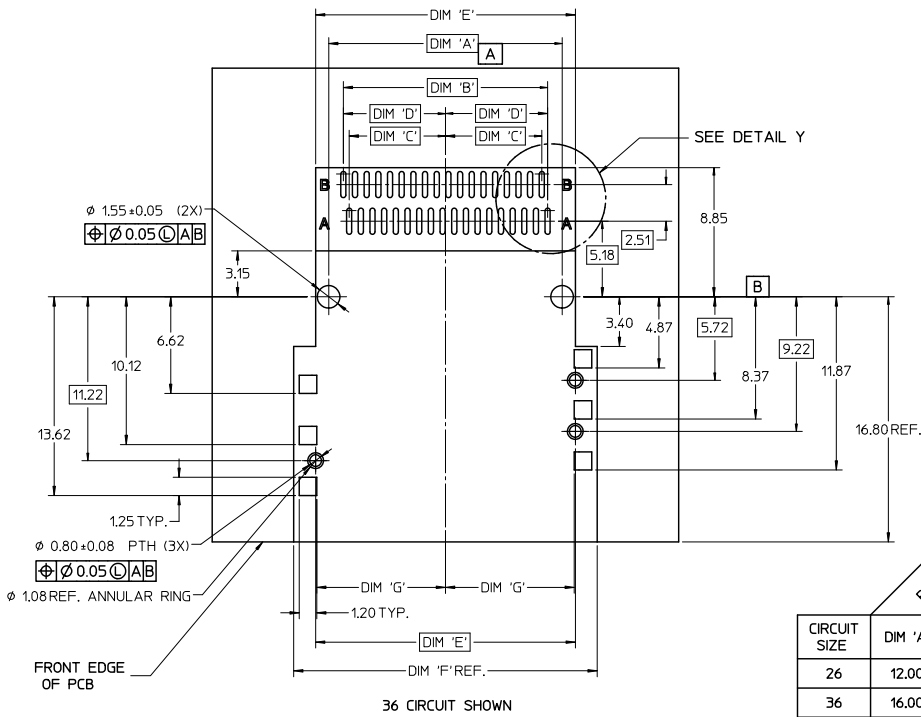
DETAIL Z  
SCALE 10:1

CIRCUIT SIZE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">PEG TO PEG</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">FIRST PAD TO LAST PAD</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">CENTERLINE TO PAD</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">CENTERLINE TO PAD</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">CONNECTOR WIDTH</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">SHELL FOOTPRINT WIDTH</td> </tr> </table>						PEG TO PEG	FIRST PAD TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	CONNECTOR WIDTH	SHELL FOOTPRINT WIDTH
	PEG TO PEG	FIRST PAD TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	CONNECTOR WIDTH	SHELL FOOTPRINT WIDTH						
DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'							
26	12.00	10.00	4.60	5.00	13.80	15.80						
36	16.00	14.00	6.60	7.00	17.80	19.80						
50	21.60	19.60	9.40	9.80	23.40	25.40						
68	28.80	26.80	13.00	13.40	30.60	32.60						

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SEE SHEET 1 EC NO. UCP2011-0393 DRW:KLANG CHKD: BANKI S APPR: BANKI S	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm		INCH		DRAWN BY KLANG	DATE 02/09/05	I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O MOLEX INCORPORATED	
		4 PLACES ±---		±---		CHECKED BY JSWENSON	DATE 02/09/05		
		3 PLACES ±---		±---		APPROVED BY MBANAKI S	DATE 02/02/05		
2 PLACES ± 0.13		±---							
1 PLACE ± 0.25		±---		ANGULAR ±1/2°					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		DOCUMENT NO. SD-75783-001		SHEET NO. 9 OF 12	

# RIGHT ANGLE CONNECTOR WITH SMT SHELL PCB FOOT PRINT



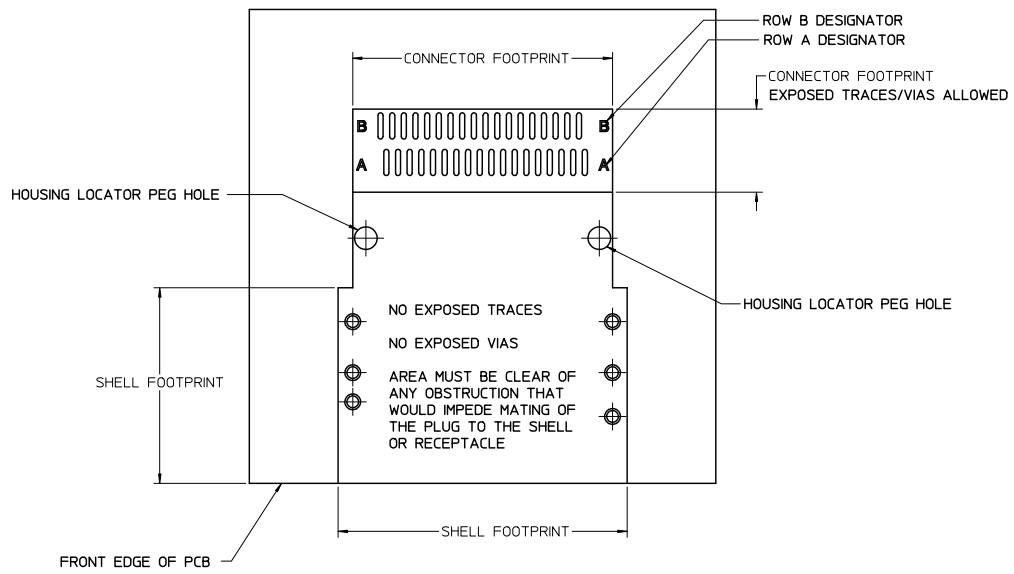
DETAIL Y  
SCALE 10:1

CIRCUIT SIZE	DIMENSIONS						
	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
26	12.00	10.00	4.60	5.00	13.80	16.80	6.825
36	16.00	14.00	6.60	7.00	17.80	20.80	8.825
50	21.60	19.60	9.40	9.80	23.40	26.40	11.625
68	28.80	26.80	13.00	13.40	30.60	33.60	15.225

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SEE SHEET 1 EC NO: UCP2011-0393 DRAWN: KLING CHKD: MBANKA1S APPR: MBANKA1S DATE: 2010/08/16 DATE: 2010/08/16	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) mm      INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.13 ±--- 1 PLACE ±0.25 ±--- ANGULAR ±1/2°	DIMENSION STYLE MM ONLY	SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY: KLING      DATE: 02/09/05 CHECKED BY:      DATE:	TITLE I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O		
				APPROVED BY: MBANKA1S      DATE: 02/02/05	MOLEX INCORPORATED		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-75783-001	SHEET NO. 10 OF 12

# RIGHT ANGLE CONNECTOR WITH SHELL PCB FOOT PRINT DESCRIPTIONS



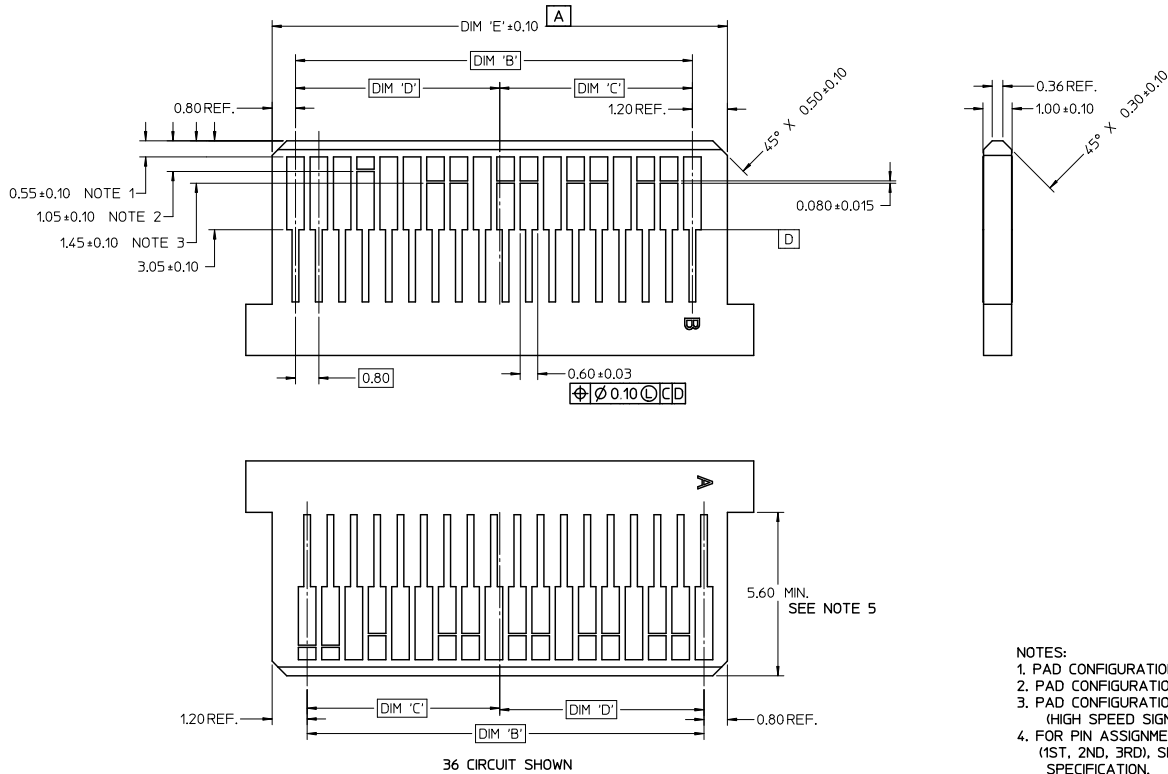
36 CIRCUIT SHOWN

NOTE: IF RECEPTACLE AND SHELL ARE NOT PLACED AT EDGE OF PCB AS SHOWN, ADDITIONAL CLEARANCE IS NEEDED FOR BODY OF PLUG AND CABLE

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SEE SHEET 1 EC NO: UCP2011-0393 DRW: KLING CHK: MBANAK1S APPR: MBANAK1S	2010/08/12 2010/08/16 2010/08/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY KLING	DATE 02/09/05	TITLE I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
			4 PLACES ±---	±---		CHECKED BY JSWENSON	DATE 02/09/05	MOLEX INCORPORATED MATERIAL NO. SD-75783-001 DOCUMENT NO. SHEET NO. 11 OF 12			
			3 PLACES ±---	±---		APPROVED BY MBANAK1S	DATE 02/02/05				
2 PLACES ±0.13	±---		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					
1 PLACE ±0.25	±---										
			ANGULAR ±1/2°								

# MATING INTERFACE (FOR REFERENCE ONLY)



- NOTES:
- PAD CONFIGURATION FOR FIRST MATE.
  - PAD CONFIGURATION FOR SECOND MATE.
  - PAD CONFIGURATION FOR THIRD MATE. (HIGH SPEED SIGNALS)
  - FOR PIN ASSIGNMENTS AND MATING SEQUENCE (1ST, 2ND, 3RD), SEE APPLICABLE SPECIFICATION.
  - MINIMUM STEP REQUIRED IF PCB MADE WIDER THAN TOUNGE.

CIRCUIT SIZE	TERM/SIDE 'N'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
26	13	9.60	4.60	5.00	11.60
36	18	13.60	6.60	7.00	15.60
50	25	19.20	9.40	9.80	21.20
68	34	26.40	13.00	13.40	28.40

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SEE SHEET 1 EC NO. UCP2011-0393 DRAWN BY KLANG CHKD: 2010/08/16 APPR: MBANKI S 2010/08/16	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0 ▽=0	mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ± 0.13 ±--- 1 PLACE ± 0.25 ±--- ANGULAR ±1/2°	MM ONLY	10:1	METRIC	DRAWN BY KLANG DATE 02/09/05 CHECKED BY JSWENSON DATE 02/09/05 APPROVED BY MBANKI S DATE 02/02/05	
	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. MBANKI S	SEE CHART	DOCUMENT NO. SD-75783-001	TITLE I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O MOLEX INCORPORATED	
	REV			SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

SHEET NO. 12 OF 12