

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0757840154

Status:

Active

Overview:

ipass

Description:

0.80mm (.031") Pitch, iPass™ I/O SMT Receptacle, Vertical, Internal Application, 36 Circuit,0.38µm (15µ") Gold (Au), Through Hole 3.56 Shell, Right Key

Documents:

- [Application Specification \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)
- [Drawing \(PDF\)](#)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

I/O Connectors

Series

75784

Application

Wire-to-Board

Comments

Positive or passive latching cable available

Component Type

Receptacle

Overview

ipass

Product Name

iPass™, PCI Express*, SAS, Serial ATA

Type

N/A

Physical

Boot Color

N/A

Circuits (Loaded)

36

Circuits (maximum)

36

Color - Resin

Black

Durability (mating cycles max)

50

Flammability

94V-0

Gender

Female

Keying to Mating Part

Yes

Lock to Mating Part

None

Material - Metal

Copper-Nickel-Zinc, High Performance Alloy (HPA)

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Number of Rows

2

Orientation

Vertical

PCB Locator

Yes

PCB Retention

Yes

Packaging Type

Embossed Tape on Reel

Panel Mount

No

Pitch - Mating Interface (in)

0.031 In

Pitch - Mating Interface (mm)

0.80 mm

Pitch - Term. Interface (in)

0.031 In

Pitch - Term. Interface (mm)

0.80 mm

Plating min: Mating (µin)

15.2

Plating min: Mating (µm)

0.38

Plating min: Termination (µin)

101.6

Plating min: Termination (µm)

2.54

Polarized to Mating Part

Yes

Polarized to PCB

Yes

Ports

1

Surface Mount Compatible (SMC)

Yes



image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
75784Series

Mates With
iPass™ Cable Assemblies, [79575](#) , [79576](#) ,
[74562](#) , [74563](#) , [79536](#)

Temperature Range - Operating	-40°C to +80°C
Termination Interface: Style	Surface Mount, Through Hole
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

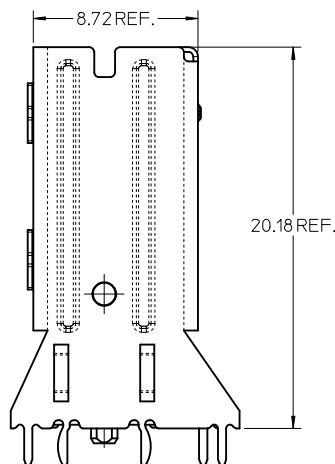
Application Specification	AS-75783-001
Packaging Specification	PK-75783-001
Sales Drawing	SD-75784-001

This document was generated on 05/28/2010

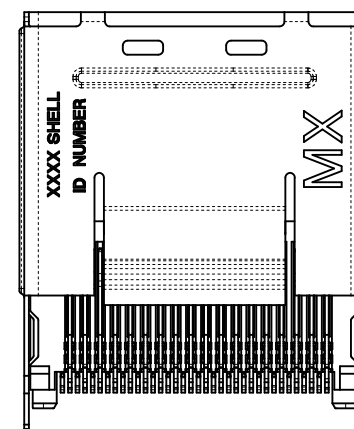
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



- NOTES:
- MATERIAL:
CONNECTOR:
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
TERMINALS - COPPER ALLOY
SHELL
NICKEL SILVER, C770, THICKNESS: 0.250/0.254
 - FINISH:
CONNECTOR
OPTION 1
CONTACT AREA - 0.38 μ m MIN GOLD OVER 2.54 μ m NICKEL
SOLDER FOOT AREA - 2.54-5.09 μ m TIN OVER 1.27 μ m NICKEL
OPTION 2
CONTACT AREA - 0.76 μ m MIN GOLD OVER 2.54 μ m NICKEL
SOLDER FOOT AREA - 2.54-5.09 μ m TIN OVER 1.27 μ m NICKEL
 - TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10 MEASURED FROM DATUM E
 - DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) ON 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



iPass™ IS A TRADEMARK OF MOLEX

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

GEOMETRY UPDATE EC NO: UCP2010-1913 DRAWN: KLANG CHKD: JSWENSON APPR: MBANAKIS	2010/02/03	2010/03/24	2010/03/25
	REV	DESCRIPTION	REV
D2			

QUALITY SYMBOLS
 = 0
 = 0.1

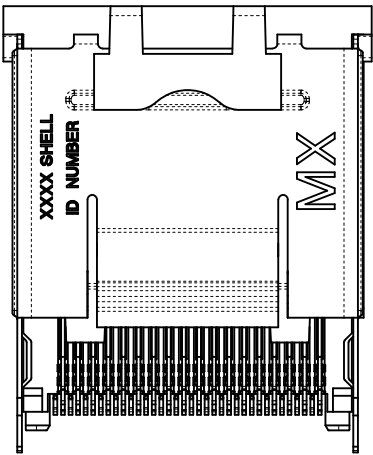
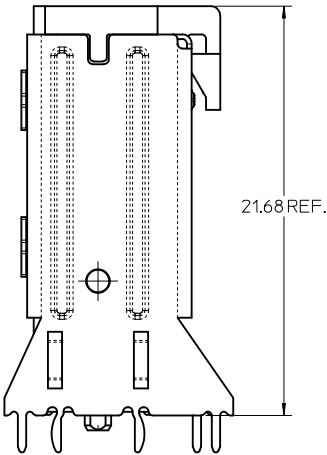
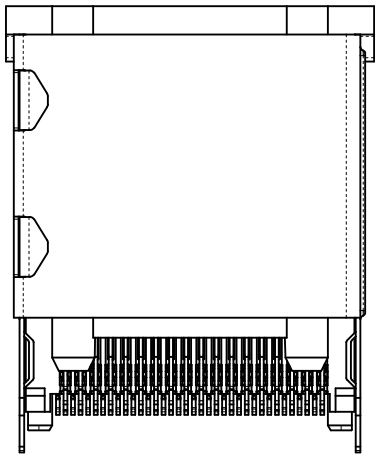
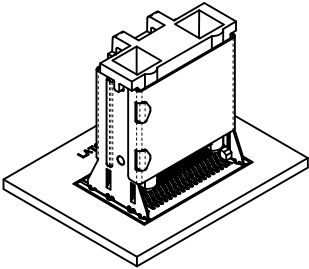
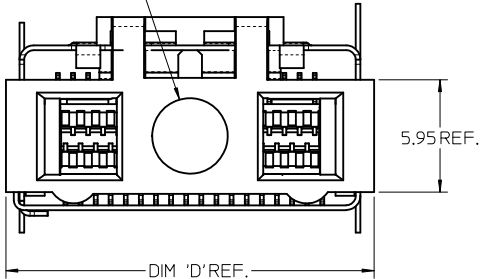
GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± 0.13	± ---
1 PLACE ± 0.25	± ---
ANGULAR ± 1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
KLANG	02/09/05
CHECKED BY	DATE
JSWENSON	02/09/05
APPROVED BY	DATE
MBANAKIS	02/02/05
MATERIAL NO.	
SEE CHART	
SIZE	
C	

SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O		
MOLEX MOLEX INCORPORATED		
DOCUMENT NO. SD-75784-001		SHEET NO. 1 OF 12
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

ASSEMBLY WITH PRE-POSITIONING DEVICE

PICK & PLACE
NOZZLE AREA



36 CIRCUIT RETENTION FIT SHOWN

NOTES:

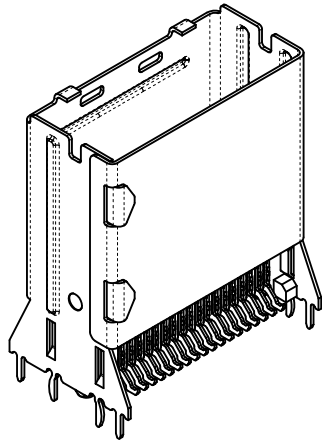
1. PICK AND PLACE LOCATION DEFINED ON APPLICATION SPECIFICATION AS-75783-001
2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN 'TAPE AND REEL' FOR ROBOTIC PICK AND PLACE.

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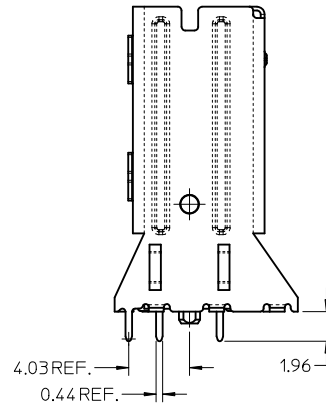
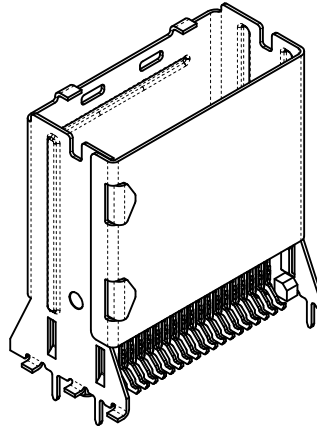
CIRCUIT SIZE	DIM 'D'
26	15.50
36	19.50
50	25.10
68	32.30

SEE SHEET 1 EC NO: UCP2010-1913 DRWN:KLANG 2010/02/03 CHKD:JSWENSON 2010/03/24 APPR:MBANAK I S 2010/03/25	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	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	TITLE I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O				
			4 PLACES	± ---	± ---	CHECKED BY JSWENSON	DATE 02/09/05					
			3 PLACES	± ---	± ---	APPROVED BY MBANAK I S	DATE 02/02/05			MOLEX INCORPORATED		
			2 PLACES	± 0.13	± ---	MATERIAL NO.					DOCUMENT NO.	SHEET NO. 2 OF 12
			1 PLACE	± 0.25	± ---	SEE CHART					SD-75784-001	
			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		
			REV		D2							

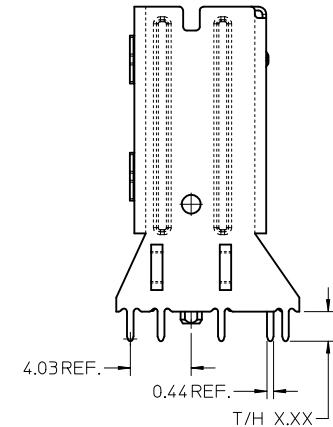
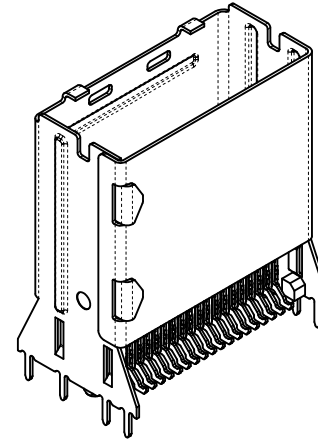
SHELL PCB INTERFACE



RETENTION-FIT
SHELL OPTION



SMT SHELL OPTION



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

SEE SHEET 1
EC NO: UCP2010-1913
DRAWN BY: DRWNLKANG
CHKD: JSWENSON
APPR: MBANAKIS
REV: D2

QUALITY
SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± .005	± .0004
3 PLACES	± .008	± .0006
2 PLACES	± .013	± .0009
1 PLACE	± .025	± .0010

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
KLANK	02/09/05
CHECKED BY	DATE
JSWENSON	02/09/05
APPROVED BY	DATE
MBANAKIS	02/02/05

MATERIAL NO.

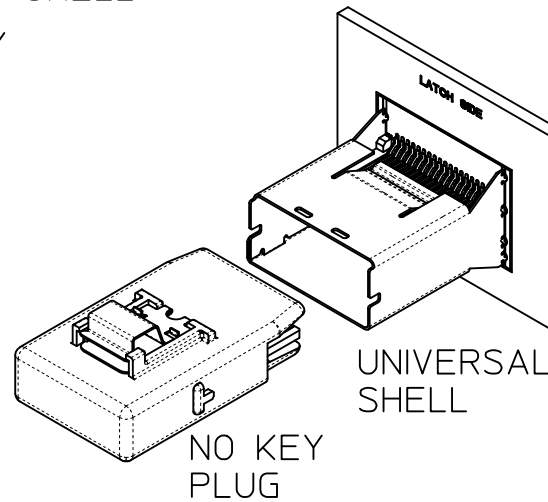
SEE CHART

SIZE C

SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O		
MOLEX INCORPORATED		
DOCUMENT NO. SD-75784-001	SHEET NO. 3 OF 12	

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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

SEE SHEET 1
EC NO: UCP2010-1913
DRAWN BY: DRWINKLANG
CHKD: JSWENSON
APPR: MBANAKIS

REVISION
DESCRIPTION
REV
D2

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± .005	± .0005
3 PLACES	± .005	± .0005
2 PLACES	± .013	± .0005
1 PLACE	± .025	± .001

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY: KLANG
DATE: 02/09/05

CHECKED BY: JSWENSON
DATE: 02/09/05

APPROVED BY: MBANAKIS
DATE: 02/02/05

MATERIAL NO.
SEE CHART

SIZE
C

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SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

TITLE: I-PASS VERT CONNECTOR
INTERNAL ASSY W/SHELL
0.8MM PITCH I/O

MOLEX MOLEX INCORPORATED

DOCUMENT NO.: SD-75784-001
SHEET NO.: 4 OF 12

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26 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
26	75784-0007	OPTION 1	RETENTION	LEFT
26	75784-0008	OPTION 1	RETENTION	RIGHT
26	75784-0009	OPTION 1	RETENTION	DUAL
26	75784-0010	OPTION 1	SMT	LEFT
26	75784-0011	OPTION 1	SMT	RIGHT
26	75784-0012	OPTION 1	SMT	DUAL
26	75784-0019	OPTION 2	RETENTION	LEFT
26	75784-0020	OPTION 2	RETENTION	RIGHT
26	75784-0021	OPTION 2	RETENTION	DUAL
26	75784-0022	OPTION 2	SMT	LEFT
26	75784-0023	OPTION 2	SMT	RIGHT
26	75784-0024	OPTION 2	SMT	DUAL
26	75784-0025	OPTION 1	RETENTION	UNIVERSAL
26	75784-0026	OPTION 1	SMT	UNIVERSAL
26	75784-0027	OPTION 2	RETENTION	UNIVERSAL
26	75784-0028	OPTION 2	SMT	UNIVERSAL
26	75784-0029	OPTION 1	T/H 1.96	LEFT
26	75784-0030	OPTION 1	T/H 1.96	RIGHT
26	75784-0031	OPTION 1	T/H 1.96	DUAL
26	75784-0032	OPTION 1	T/H 1.96	UNIVERSAL
26	75784-0033	OPTION 2	T/H 1.96	LEFT
26	75784-0034	OPTION 2	T/H 1.96	RIGHT
26	75784-0035	OPTION 2	T/H 1.96	DUAL
26	75784-0036	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
26	75784-0037	OPTION 1	T/H 2.79	LEFT
26	75784-0038	OPTION 1	T/H 2.79	RIGHT
26	75784-0039	OPTION 1	T/H 2.79	DUAL
26	75784-0040	OPTION 1	T/H 2.79	UNIVERSAL
26	75784-0041	OPTION 2	T/H 2.79	LEFT
26	75784-0042	OPTION 2	T/H 2.79	RIGHT
26	75784-0043	OPTION 2	T/H 2.79	DUAL
26	75784-0044	OPTION 2	T/H 2.79	UNIVERSAL
26	75784-0045	OPTION 1	T/H 3.18	LEFT
26	75784-0046	OPTION 1	T/H 3.18	RIGHT
26	75784-0047	OPTION 1	T/H 3.18	DUAL
26	75784-0048	OPTION 1	T/H 3.18	UNIVERSAL
26	75784-0049	OPTION 2	T/H 3.18	LEFT
26	75784-0050	OPTION 2	T/H 3.18	RIGHT
26	75784-0051	OPTION 2	T/H 3.18	DUAL
26	75784-0052	OPTION 2	T/H 3.18	UNIVERSAL

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SEE SHEET 1 EC NO: UCP2010-1913 2010/02/03 DRAWN: KLANG CHKD: JSWENSON 2010/03/24 APPR: MBANAKIS 2010/03/25	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm		INCH		DRAWN BY KLANG		DATE 02/09/05	
		4 PLACES ± ---		± ---		CHECKED BY JSWENSON		DATE 02/09/05	
		3 PLACES ± ---		± ---		APPROVED BY MBANAKIS		DATE 02/02/05	
		2 PLACES ± 0.13		± ---		MATERIAL NO.		DOCUMENT NO.	
1 PLACE ± 0.25		± ---		ANGULAR ± 1/2°		SEE CHART		SD-75784-001	
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					

5 OF 12

SHEET NO.

36 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75784-0107	OPTION 1	RETENTION	LEFT
36	75784-0108	OPTION 1	RETENTION	RIGHT
36	75784-0109	OPTION 1	RETENTION	DUAL
36	75784-0110	OPTION 1	SMT	LEFT
36	75784-0111	OPTION 1	SMT	RIGHT
36	75784-0112	OPTION 1	SMT	DUAL
36	75784-0119	OPTION 2	RETENTION	LEFT
36	75784-0120	OPTION 2	RETENTION	RIGHT
36	75784-0121	OPTION 2	RETENTION	DUAL
36	75784-0122	OPTION 2	SMT	LEFT
36	75784-0123	OPTION 2	SMT	RIGHT
36	75784-0124	OPTION 2	SMT	DUAL
36	75784-0125	OPTION 1	RETENTION	UNIVERSAL
36	75784-0126	OPTION 1	SMT	UNIVERSAL
36	75784-0127	OPTION 2	RETENTION	UNIVERSAL
36	75784-0128	OPTION 2	SMT	UNIVERSAL
36	75784-0129	OPTION 1	T/H 1.96	LEFT
36	75784-0130	OPTION 1	T/H 1.96	RIGHT
36	75784-0131	OPTION 1	T/H 1.96	DUAL
36	75784-0132	OPTION 1	T/H 1.96	UNIVERSAL
36	75784-0133	OPTION 2	T/H 1.96	LEFT
36	75784-0134	OPTION 2	T/H 1.96	RIGHT
36	75784-0135	OPTION 2	T/H 1.96	DUAL
36	75784-0136	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75784-0137	OPTION 1	T/H 2.79	LEFT
36	75784-0138	OPTION 1	T/H 2.79	RIGHT
36	75784-0139	OPTION 1	T/H 2.79	DUAL
36	75784-0140	OPTION 1	T/H 2.79	UNIVERSAL
36	75784-0141	OPTION 2	T/H 2.79	LEFT
36	75784-0142	OPTION 2	T/H 2.79	RIGHT
36	75784-0143	OPTION 2	T/H 2.79	DUAL
36	75784-0144	OPTION 2	T/H 2.79	UNIVERSAL
36	75784-0145	OPTION 1	T/H 3.18	LEFT
36	75784-0146	OPTION 1	T/H 3.18	RIGHT
36	75784-0147	OPTION 1	T/H 3.18	DUAL
36	75784-0148	OPTION 1	T/H 3.18	UNIVERSAL
36	75784-0149	OPTION 2	T/H 3.18	LEFT
36	75784-0150	OPTION 2	T/H 3.18	RIGHT
36	75784-0151	OPTION 2	T/H 3.18	DUAL
36	75784-0152	OPTION 2	T/H 3.18	UNIVERSAL
36	75784-0153	OPTION 1	T/H 3.56	LEFT
36	75784-0154	OPTION 1	T/H 3.56	RIGHT
36	75784-0155	OPTION 1	T/H 3.56	DUAL
36	75784-0156	OPTION 1	T/H 3.56	UNIVERSAL
36	75784-0157	OPTION 2	T/H 3.56	LEFT
36	75784-0158	OPTION 2	T/H 3.56	RIGHT
36	75784-0159	OPTION 2	T/H 3.56	DUAL
36	75784-0160	OPTION 2	T/H 3.56	UNIVERSAL

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SEE SHEET 1 EC NO: UCP2010-1913 DRWN: KLANG CHKD: JSWENSON APPR: MBANAKIS	2010/02/03 2010/03/24 2010/03/25	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 VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O	
					CHECKED BY JSWENSON		DATE 02/09/05		
					APPROVED BY MBANAKIS		DATE 02/02/05		
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-75784-001		6 OF 12			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

50 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75784-0207	OPTION 1	RETENTION	LEFT
50	75784-0208	OPTION 1	RETENTION	RIGHT
50	75784-0209	OPTION 1	RETENTION	DUAL
50	75784-0210	OPTION 1	SMT	LEFT
50	75784-0211	OPTION 1	SMT	RIGHT
50	75784-0212	OPTION 1	SMT	DUAL
50	75784-0219	OPTION 2	RETENTION	LEFT
50	75784-0220	OPTION 2	RETENTION	RIGHT
50	75784-0221	OPTION 2	RETENTION	DUAL
50	75784-0222	OPTION 2	SMT	LEFT
50	75784-0223	OPTION 2	SMT	RIGHT
50	75784-0224	OPTION 2	SMT	DUAL
50	75784-0225	OPTION 1	RETENTION	UNIVERSAL
50	75784-0226	OPTION 1	SMT	UNIVERSAL
50	75784-0227	OPTION 2	RETENTION	UNIVERSAL
50	75784-0228	OPTION 2	SMT	UNIVERSAL
50	75784-0229	OPTION 1	T/H 1.96	LEFT
50	75784-0230	OPTION 1	T/H 1.96	RIGHT
50	75784-0231	OPTION 1	T/H 1.96	DUAL
50	75784-0232	OPTION 1	T/H 1.96	UNIVERSAL
50	75784-0233	OPTION 2	T/H 1.96	LEFT
50	75784-0234	OPTION 2	T/H 1.96	RIGHT
50	75784-0235	OPTION 2	T/H 1.96	DUAL
50	75784-0236	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75784-0237	OPTION 1	T/H 2.79	LEFT
50	75784-0238	OPTION 1	T/H 2.79	RIGHT
50	75784-0239	OPTION 1	T/H 2.79	DUAL
50	75784-0240	OPTION 1	T/H 2.79	UNIVERSAL
50	75784-0241	OPTION 2	T/H 2.79	LEFT
50	75784-0242	OPTION 2	T/H 2.79	RIGHT
50	75784-0243	OPTION 2	T/H 2.79	DUAL
50	75784-0244	OPTION 2	T/H 2.79	UNIVERSAL
50	75784-0245	OPTION 1	T/H 3.18	LEFT
50	75784-0246	OPTION 1	T/H 3.18	RIGHT
50	75784-0247	OPTION 1	T/H 3.18	DUAL
50	75784-0248	OPTION 1	T/H 3.18	UNIVERSAL
50	75784-0249	OPTION 2	T/H 3.18	LEFT
50	75784-0250	OPTION 2	T/H 3.18	RIGHT
50	75784-0251	OPTION 2	T/H 3.18	DUAL
50	75784-0252	OPTION 2	T/H 3.18	UNIVERSAL

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1 EC NO: UCP2010-1913 2010/02/03 DRAWN: KLANG 2010/03/24 CHKD: JSWENSON 2010/03/25 APPR: MBANAKIS	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY KLANG	DATE 02/09/05	TITLE I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O				
			4 PLACES ± ---	± ---	CHECKED BY JSWENSON	DATE 02/09/05					
			3 PLACES ± ---	± ---	APPROVED BY MBANAKIS	DATE 02/02/05	MOLEX INCORPORATED				
			2 PLACES ± 0.13	± ---	MATERIAL NO.						
1 PLACE ± 0.25	± ---	ANGULAR ±1/2°		SEE CHART		SD-75784-001		7 OF 12			
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						

68 CIRCUIT ITEM NUMBERS

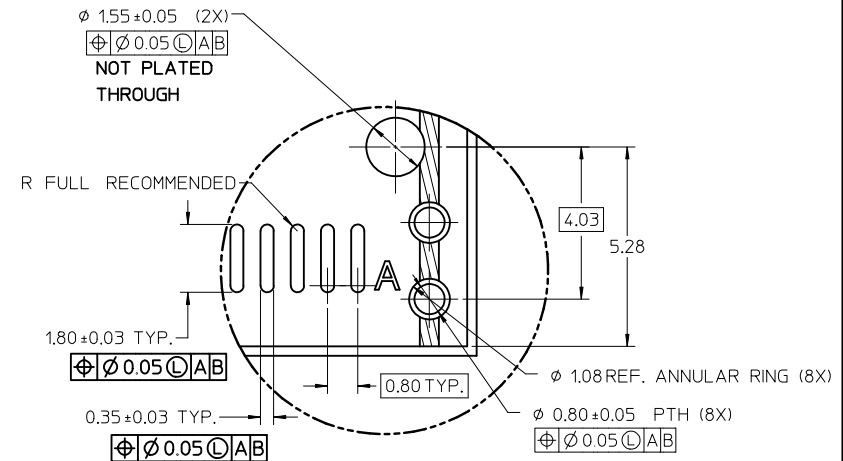
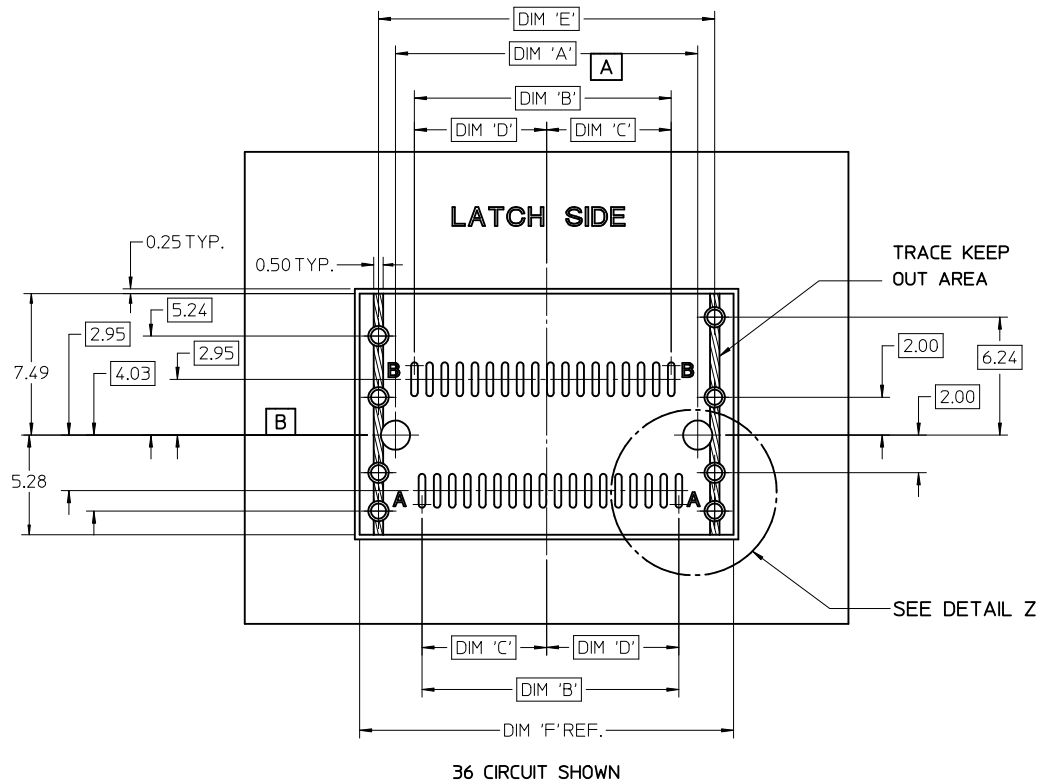
CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75784-0307	OPTION 1	RETENTION	LEFT
68	75784-0308	OPTION 1	RETENTION	RIGHT
68	75784-0309	OPTION 1	RETENTION	DUAL
68	75784-0310	OPTION 1	SMT	LEFT
68	75784-0311	OPTION 1	SMT	RIGHT
68	75784-0312	OPTION 1	SMT	DUAL
68	75784-0319	OPTION 2	RETENTION	LEFT
68	75784-0320	OPTION 2	RETENTION	RIGHT
68	75784-0321	OPTION 2	RETENTION	DUAL
68	75784-0322	OPTION 2	SMT	LEFT
68	75784-0323	OPTION 2	SMT	RIGHT
68	75784-0324	OPTION 2	SMT	DUAL
68	75784-0325	OPTION 1	RETENTION	UNIVERSAL
68	75784-0326	OPTION 1	SMT	UNIVERSAL
68	75784-0327	OPTION 2	RETENTION	UNIVERSAL
68	75784-0328	OPTION 2	SMT	UNIVERSAL
68	75784-0329	OPTION 1	T/H 1.96	LEFT
68	75784-0330	OPTION 1	T/H 1.96	RIGHT
68	75784-0331	OPTION 1	T/H 1.96	DUAL
68	75784-0332	OPTION 1	T/H 1.96	UNIVERSAL
68	75784-0333	OPTION 2	T/H 1.96	LEFT
68	75784-0334	OPTION 2	T/H 1.96	RIGHT
68	75784-0335	OPTION 2	T/H 1.96	DUAL
68	75784-0336	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75784-0337	OPTION 1	T/H 2.79	LEFT
68	75784-0338	OPTION 1	T/H 2.79	RIGHT
68	75784-0339	OPTION 1	T/H 2.79	DUAL
68	75784-0340	OPTION 1	T/H 2.79	UNIVERSAL
68	75784-0341	OPTION 2	T/H 2.79	LEFT
68	75784-0342	OPTION 2	T/H 2.79	RIGHT
68	75784-0343	OPTION 2	T/H 2.79	DUAL
68	75784-0344	OPTION 2	T/H 2.79	UNIVERSAL
68	75784-0345	OPTION 1	T/H 3.18	LEFT
68	75784-0346	OPTION 1	T/H 3.18	RIGHT
68	75784-0347	OPTION 1	T/H 3.18	DUAL
68	75784-0348	OPTION 1	T/H 3.18	UNIVERSAL
68	75784-0349	OPTION 2	T/H 3.18	LEFT
68	75784-0350	OPTION 2	T/H 3.18	RIGHT
68	75784-0351	OPTION 2	T/H 3.18	DUAL
68	75784-0352	OPTION 2	T/H 3.18	UNIVERSAL

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SEE SHEET 1 EC NO: UCP2010-1913 2010/02/03 DRAWN: KLANG CHKD: JSWENSON 2010/03/24 APPR: MBANAKIS 2010/03/25	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm		INCH		DRAWN BY KLANG		DATE 02/09/05	
		4 PLACES ± ---		± ---		CHECKED BY JSWENSON		DATE 02/09/05	
		3 PLACES ± ---		± ---		APPROVED BY MBANAKIS		DATE 02/02/05	
		2 PLACES ± 0.13		± ---		MATERIAL NO.		DOCUMENT NO.	
1 PLACE ± 0.25		± ---		ANGULAR ± 1/2°		SEE CHART		SD-75784-001	
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					

VERTICAL CONNECTOR
WITH RETENTION FIT & THRU-HOLE SHELL
PCB FOOT PRINT

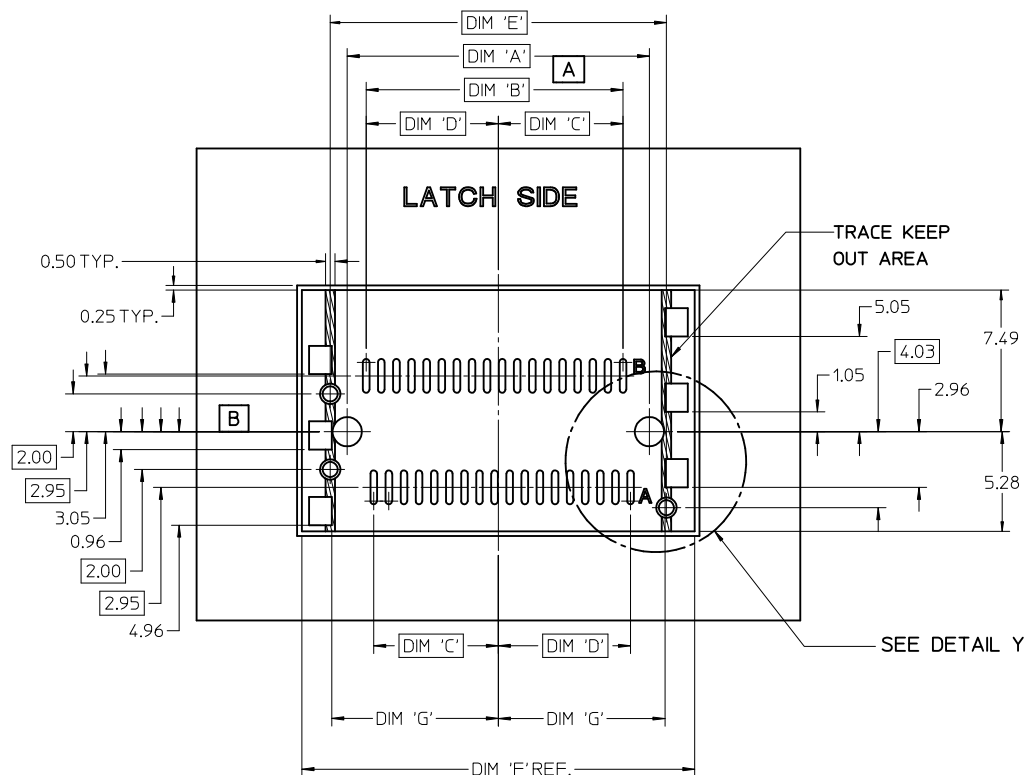


DETAIL Z
SCALE 10:1

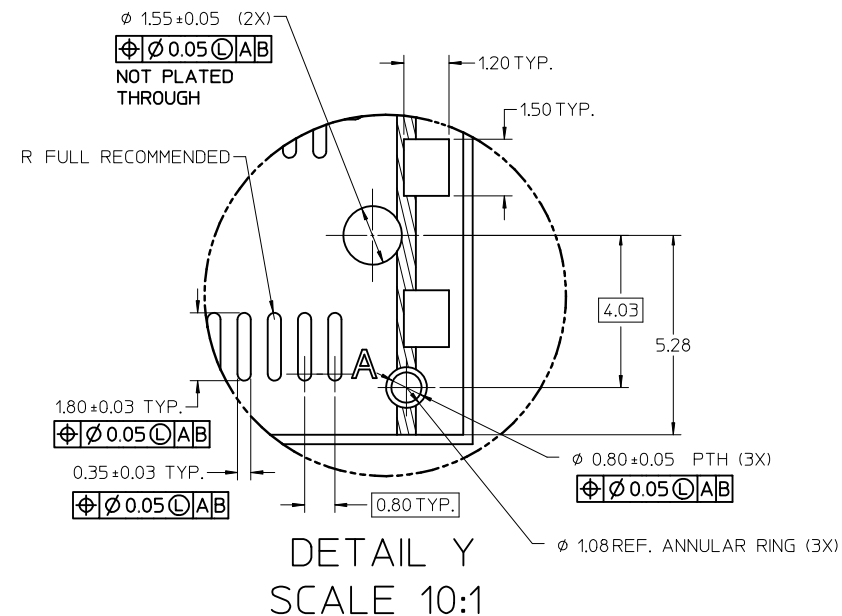
	PEG TO PEG	FIRST TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
26	12.00	9.60	4.60	5.00	13.80	15.80
36	16.00	13.60	6.60	7.00	17.80	19.80
50	21.60	19.20	9.40	9.80	23.40	25.40
68	28.80	26.40	13.00	13.40	30.60	32.60

SEE SHEET 1 EC NO: UCP2010-1913 DRAWN: KLANG CHKD: JSWENSON APPR: MBANAKIS D2	2010/02/03 2010/03/24 2010/03/25	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
								DRAWN BY KLANG		DATE 02/09/05		TITLE I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
								CHECKED BY JSWENSON		DATE 02/09/05					
					4 PLACES ± --- ± ---							MOLEX MOLEX INCORPORATED			
					3 PLACES ± --- ± ---										
					2 PLACES ± 0.13 ± ---							DOCUMENT NO. SD-75784-001			
1 PLACE ± 0.25 ± ---															
ANGULAR ± 1/2°							SHEET NO. 9 OF 12								
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												

VERTICAL CONNECTOR WITH SMT SHELL PCB FOOT PRINT



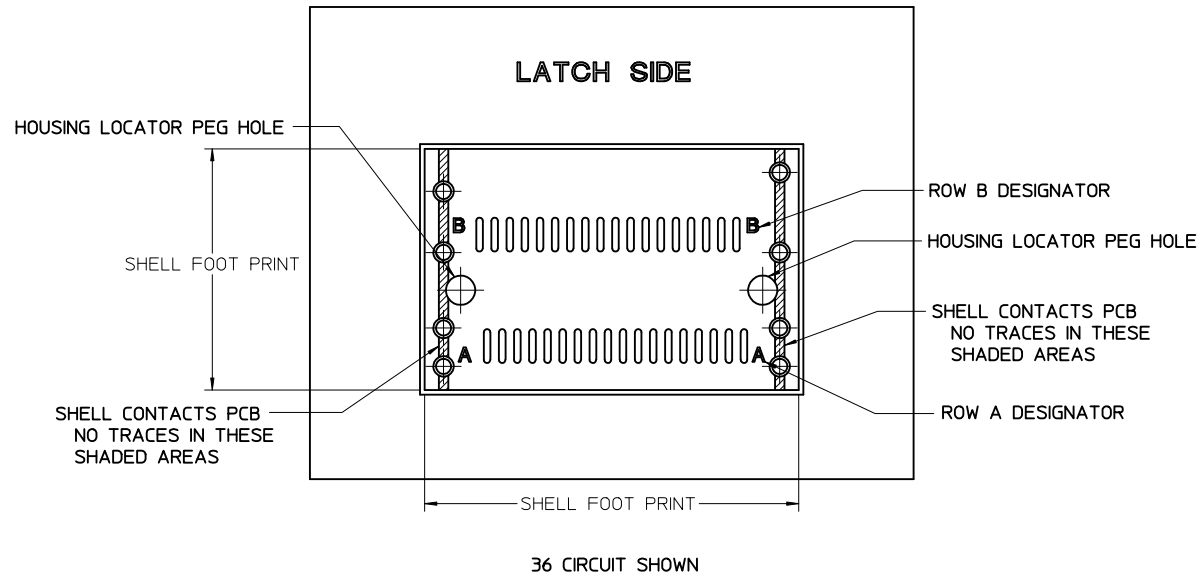
36 CIRCUIT SHOWN



	PEG TO PEG	FIRST TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH	CENTERLINE TO PAD EDGE
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
26	12.00	9.60	4.60	5.00	13.80	16.80	6.825
36	16.00	13.60	6.60	7.00	17.80	20.80	8.825
50	21.60	19.20	9.40	9.80	23.40	26.40	11.625
68	28.80	26.40	13.00	13.40	30.60	33.60	15.225

SEE SHEET 1 EC NO: UCP2010-1913 DRAWN BY: DRWINKLANG CHKD: JSWENSON APPR: MBANAKIS	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	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	TITLE I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O		
			4 PLACES	± ---	± ---	CHECKED BY JSWENSON		DATE 02/09/05	MOLEX MOLEX INCORPORATED		
			3 PLACES	± ---	± ---	APPROVED BY MBANAKIS		DATE 02/02/05			
			2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
1 PLACE	± 0.25	± ---	ANGULAR ±1/2°		SEE CHART		SD-75784-001		10 OF 12		
D2	REV		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				

VERTICAL CONNECTOR WITH SHELL PCB FOOT PRINT DESCRIPTIONS



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SEE SHEET 1 EC NO: UCP2010-1913 2010/02/03 DRAWN: KLKANG 2010/03/24 CHKD: JSWENSON 2010/03/25 APPR: MBANAKIS D2	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O	
				mm	INCH	DRAWN BY KLKANG	DATE 02/09/05				
			4 PLACES	± ---	± ---	CHECKED BY JSWENSON	DATE 02/09/05				
			3 PLACES	± ---	± ---	APPROVED BY MBANAKIS	DATE 02/02/05				
			2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.			
			1 PLACE	± 0.25	± ---	SEE CHART		SD-75784-001			
			ANGULAR ±1/2°		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

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

SEE SHEET 1 EC NO: UCP2010-1913 DRWN: KLANG CHKD: JSWENSON APPR: MBANAKIS	2010/02/03	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION
	2010/03/24		
	2010/03/25		
REV			

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± 0.13	± ---
1 PLACE ± 0.25	± ---
ANGULAR ± 1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
KLANG	02/09/05
CHECKED BY	DATE
JSWENSON	02/09/05
APPROVED BY	DATE
MBANAKIS	02/02/05
MATERIAL NO.	
SIZE	
SEE CHART	

SCALE 10:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-75784-001		SHEET NO. 12 OF 12
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		