This document was generated on 05/28/2010

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Part Number: 0757840122
Status: Active
Overview: ipass
Description: 0.80mm (.031") Pitch, iPass™ I/O SMT Receptacle, Vertical, Internal Application, 36 Circuit, 0.76µm (30µ") Gold (Au), SMT Shell, Left Key



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (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)	250
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)	30.4
Plating min: Mating (µm)	0.76
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
Temperature Range - Operating	-40°C to +80°C

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

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

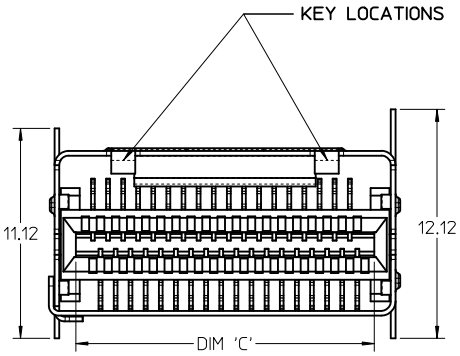
Solder Process Data

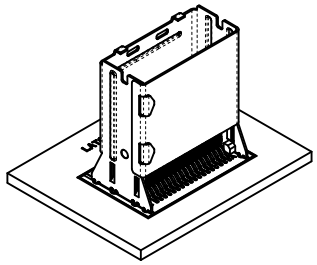
Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	260

Material Info

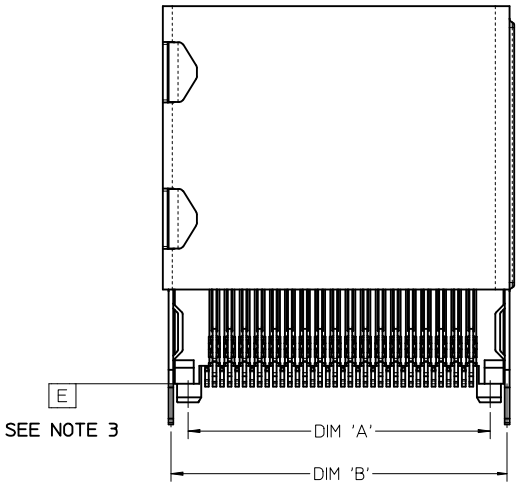
Reference - Drawing Numbers

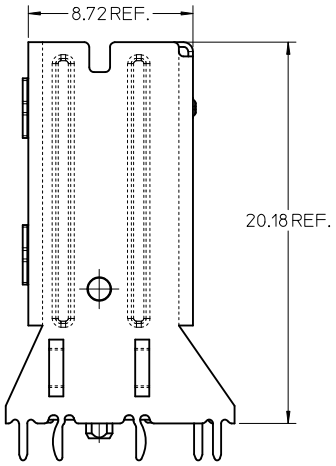
Application Specification	AS-75783-001
Packaging Specification	PK-75783-001
Sales Drawing	SD-75784-001



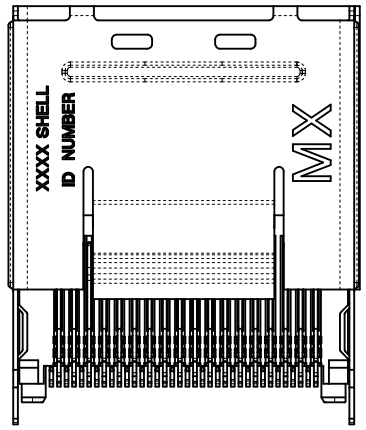


NOTES:
1. MATERIAL:
   CONNECTOR:
   HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
   TERMINALS - COPPER ALLOY
   SHELL
   NICKEL SILVER, C770, THICKNESS: 0.250/0.254
2. FINISH:
   CONNECTOR
   OPTION 1
   CONTACT AREA - 0.38µm MIN GOLD OVER 2.54 µm NICKEL
   SOLDER FOOT AREA - 2.54-5.09µm TIN OVER 1.27 µm NICKEL
   OPTION 2
   CONTACT AREA - 0.76µm MIN GOLD OVER 2.54 µm NICKEL
   SOLDER FOOT AREA - 2.54-5.09µm TIN OVER 1.27 µm NICKEL
3. TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10 MEASURED FROM DATUM E
4. DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) ON CONNECTOR ONLY
5. CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1
6. TO BE USED WITH THE FOLLOWING CABLE SERIES:
   79575/74563/79576/74573/79536/74562/74569/74586
7. PACKAGED PER PACKAGING SPECIFICATION: PK-75783-001
8. CONFORMS TO PRODUCT SPECIFICATION: PS-75783-001
9. PROCESS PER APPLICATION SPECIFICATION: AS-75783-001
10. 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 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD: JSWENSON 2010/03/25
APPR: MBANAKIS
DESCRIPTION
D2
REV

QUALITY SYMBOLS
▼=0
▽C=0

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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KLANG DATE: 02/09/05
CHECKED BY: JSWENSON DATE: 02/09/05
APPROVED BY: MBANAKIS DATE: 02/02/05

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

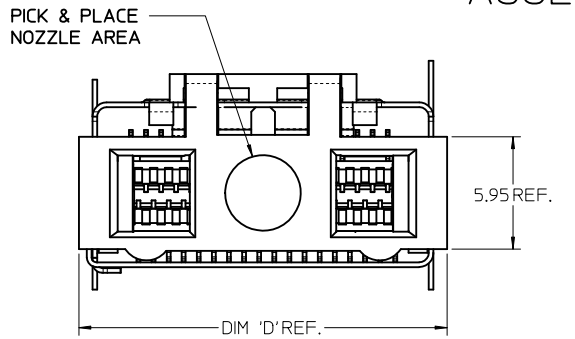
molex MOLEX INCORPORATED

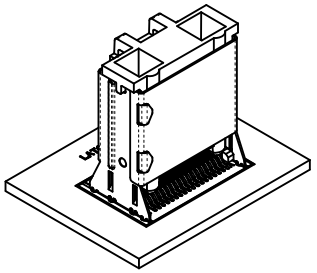
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 1 OF 12

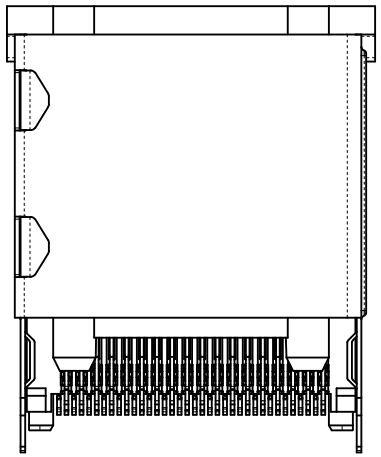
SIZE: C

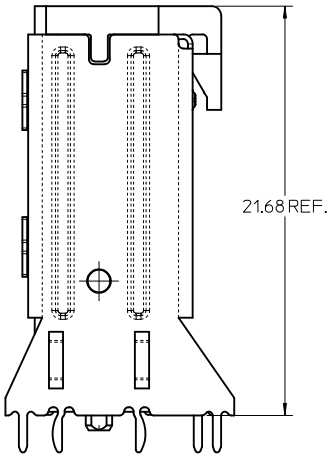
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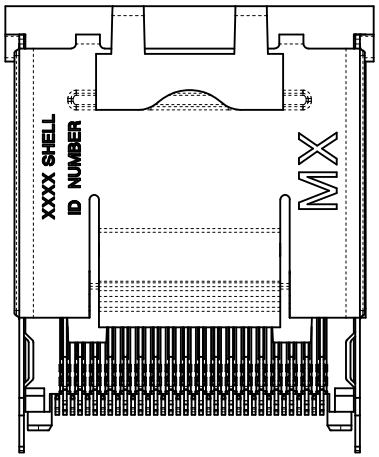
ASSEMBLY WITH PRE-POSITIONING DEVICE











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.

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

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SEE SHEET 1
EC NO: UCP2010-1913 2010/02/03
DRWN: KLANG 2010/03/24
CH'KD: JSWENSON 2010/03/25
APPR: MBANAKIS
DESCRIPTION
REV
D2

QUALITY SYMBOLS
▼=0
▽(C)=0

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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

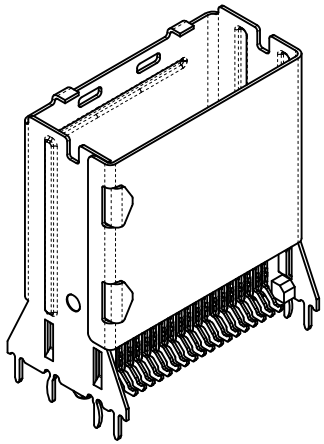
TITLE: I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

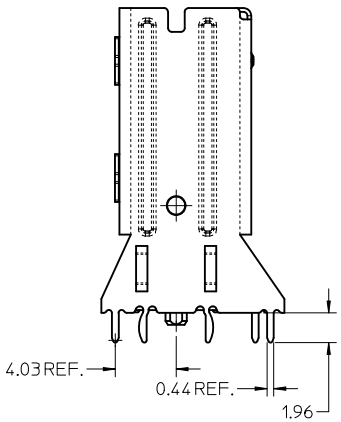
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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 2 OF 12
SIZE: C

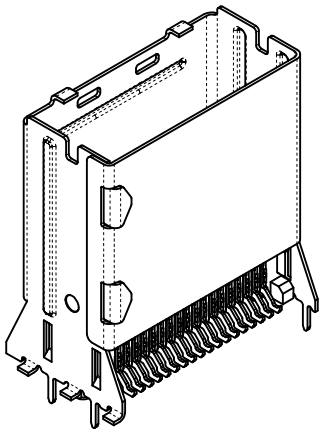
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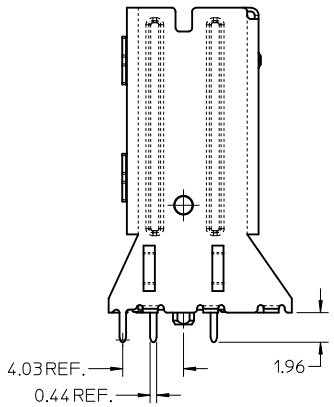
SHELL PCB INTERFACE



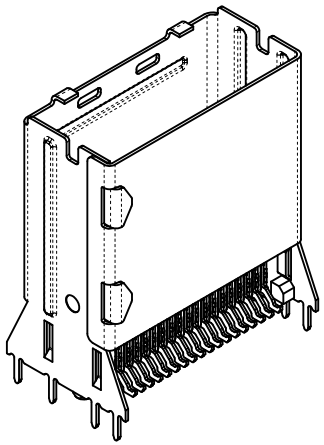


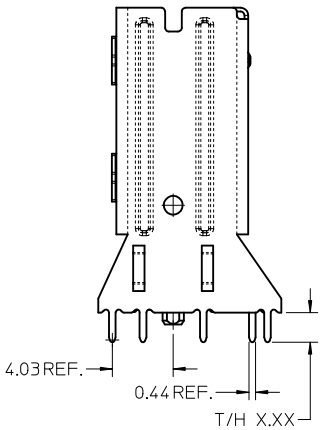
RETENTION-FIT
SHELL OPTION





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
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APPR:MBANAKIS 2010/03/25
DESCRIPTION
D2
REV

QUALITY SYMBOLS
▼=0
▽(C)=0

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
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

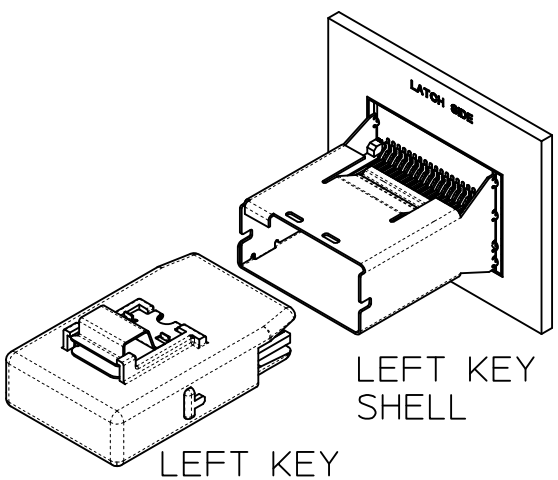
TITLE: I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

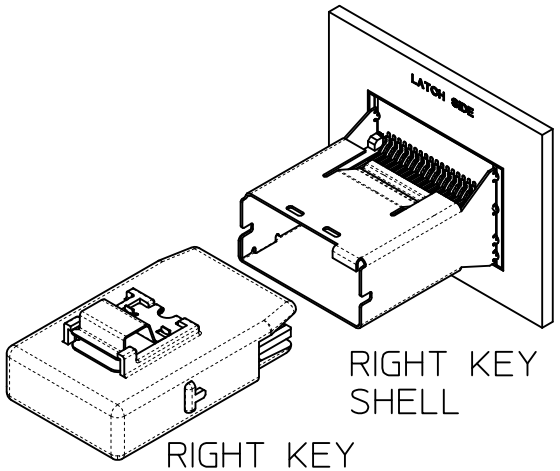
molex MOLEX INCORPORATED

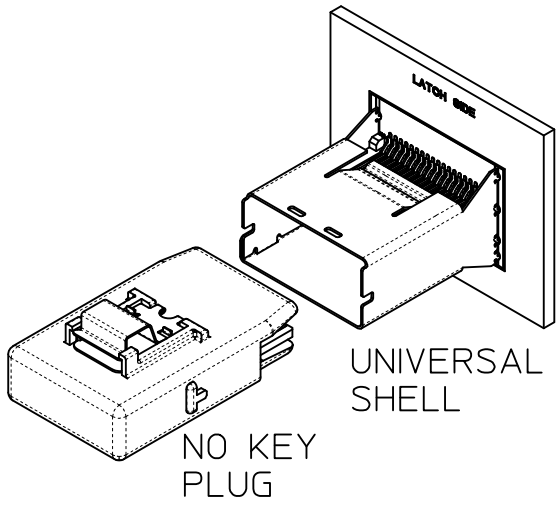
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 3 OF 12
SIZE: C

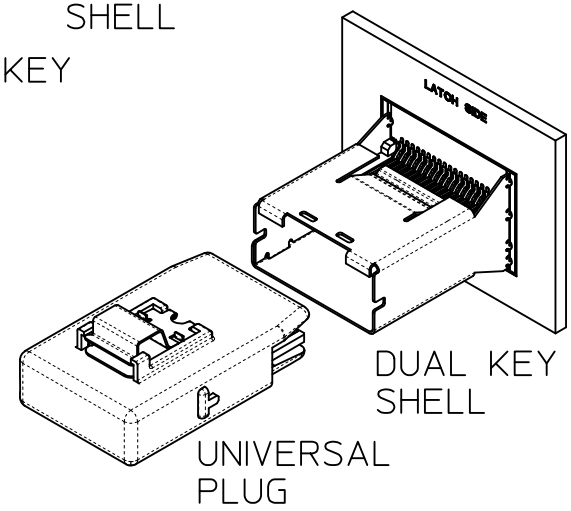
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KEYING OPTIONS









	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

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DRWN:KLANG 2010/03/24
CHKD:JSWENSON 2010/03/25
APPR:MBANAKIS
DESCRIPTION
REV
D2

QUALITY SYMBOLS
▼=0
▽(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
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1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
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molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
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SHEET NO.: 4 OF 12
SIZE: C

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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
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DESCRIPTION
D2
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QUALITY SYMBOLS
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GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KLANG DATE: 02/09/05
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TITLE: I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 5 OF 12

SIZE: C

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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

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1
EC NO: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD:JSWENSON 2010/03/25
APPR:MBANAKIS
DESCRIPTION
D2
REV

QUALITY SYMBOLS
▼=0
▽C=0

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

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

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

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 6 OF 12
SIZE: C

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

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SEE SHEET 1
EC NO: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD:JSWENSON 2010/03/25
APPR:MBANAKIS
DESCRIPTION
D2
REV

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

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

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

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

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 7 OF 12
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

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1
EC NO: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CHKD:JSWENSON
APPR:MBANAKIS 2010/03/25
DESCRIPTION
REV
D2

QUALITY SYMBOLS
▼=0
Ⓒ=0

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

DRAWN BY: KLANG DATE: 02/09/05
CHECKED BY: JSWENSON DATE: 02/09/05
APPROVED BY: MBANAKIS DATE: 02/02/05

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

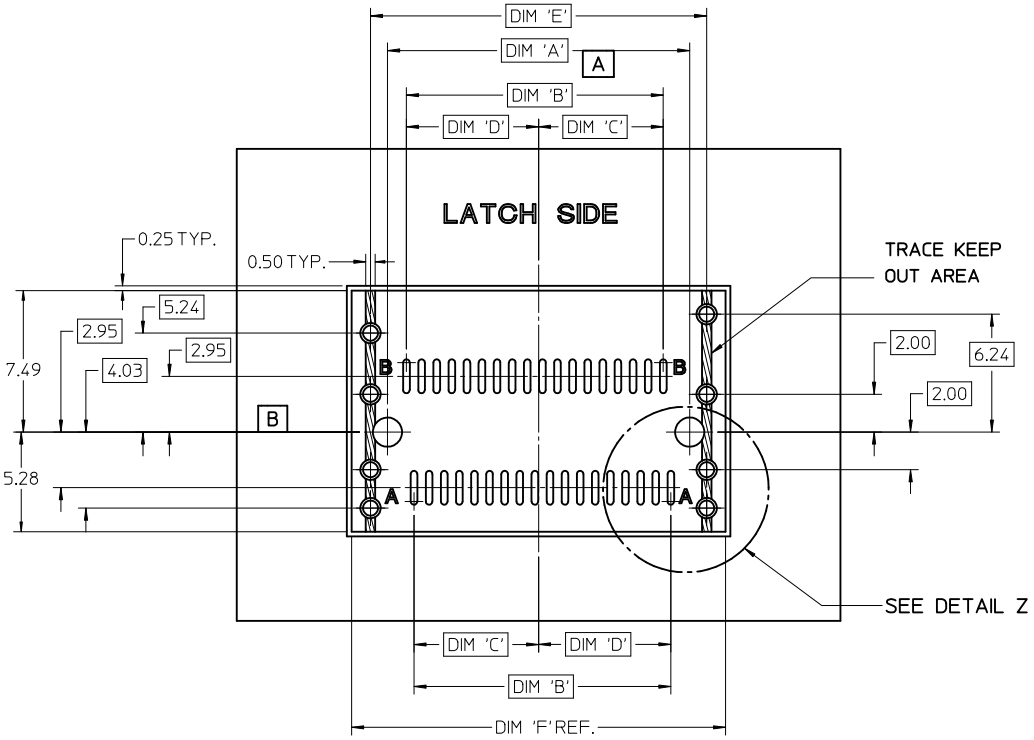
molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 8 OF 12

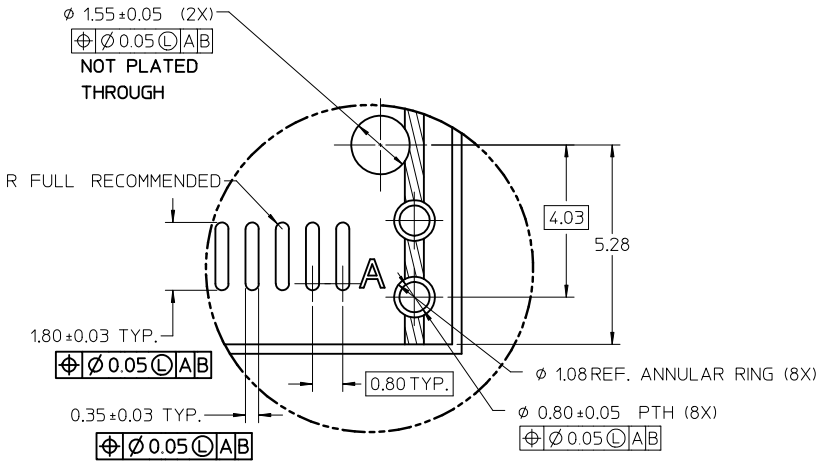
SIZE C

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



36 CIRCUIT SHOWN



DETAIL Z
SCALE 10:1

CIRCUIT SIZE	DIM 'A' PEG TO PEG	DIM 'B' FIRST TO LAST PAD	DIM 'C' CENTERLINE TO PAD	DIM 'D' CENTERLINE TO PAD	DIM 'E' SHELL PEG TO PEG	DIM 'F' SHELL FOOTPRINT WIDTH
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

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SEE SHEET 1
EC NO: UCP2010-1913 2010/02/03
DRWN: KLANG 2010/03/24
CHK'D: JSWENSON 2010/03/25
APPR: MBANAKIS
DESCRIPTION
REV
D2

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

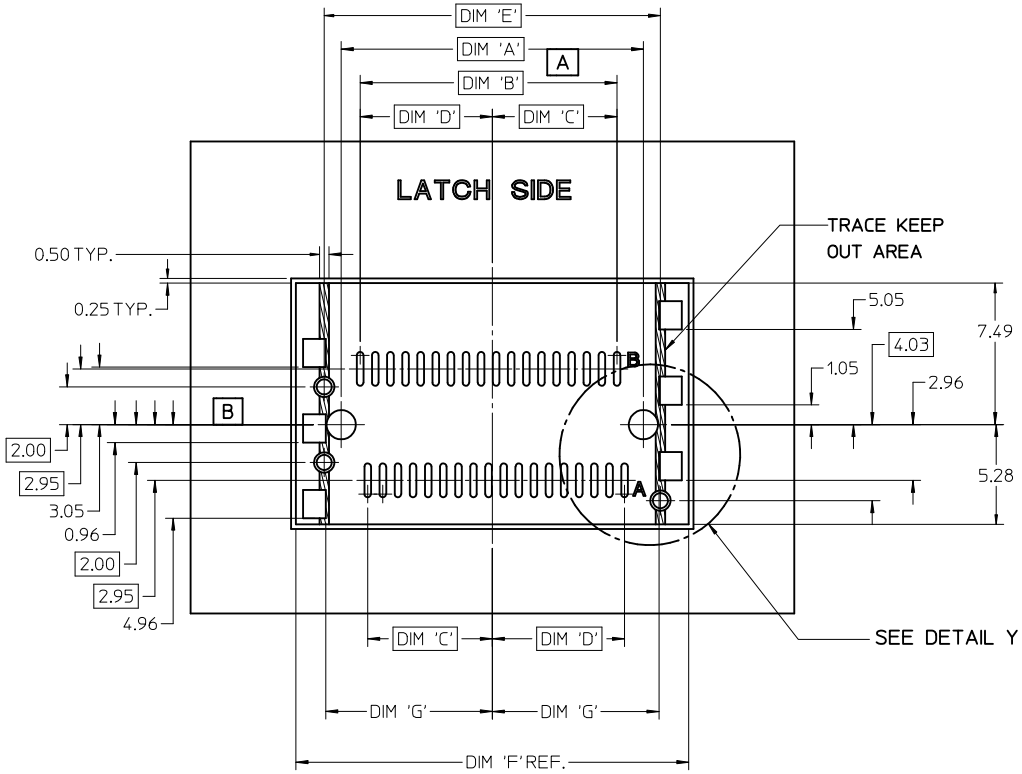
TITLE: I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

molex MOLEX INCORPORATED

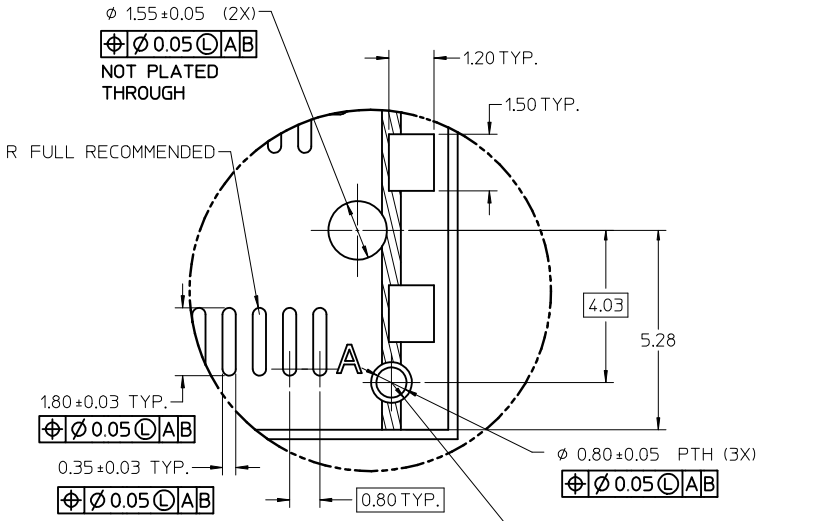
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 9 OF 12
SIZE: C

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



DETAIL Y
SCALE 10:1

CIRCUIT SIZE	DIM 'A' (PEG TO PEG)	DIM 'B' (FIRST TO LAST PAD)	DIM 'C' (CENTERLINE TO PAD)	DIM 'D' (CENTERLINE TO PAD)	DIM 'E' (SHELL PEG TO PEG)	DIM 'F' (SHELL FOOTPRINT WIDTH)	DIM 'G' (CENTERLINE TO PAD EDGE)
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

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1
EC NO: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD:JSWENSON 2010/03/25
APPR:MBANAKIS
DESCRIPTION
REV
D2

QUALITY SYMBOLS
▼=0
▽=0

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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

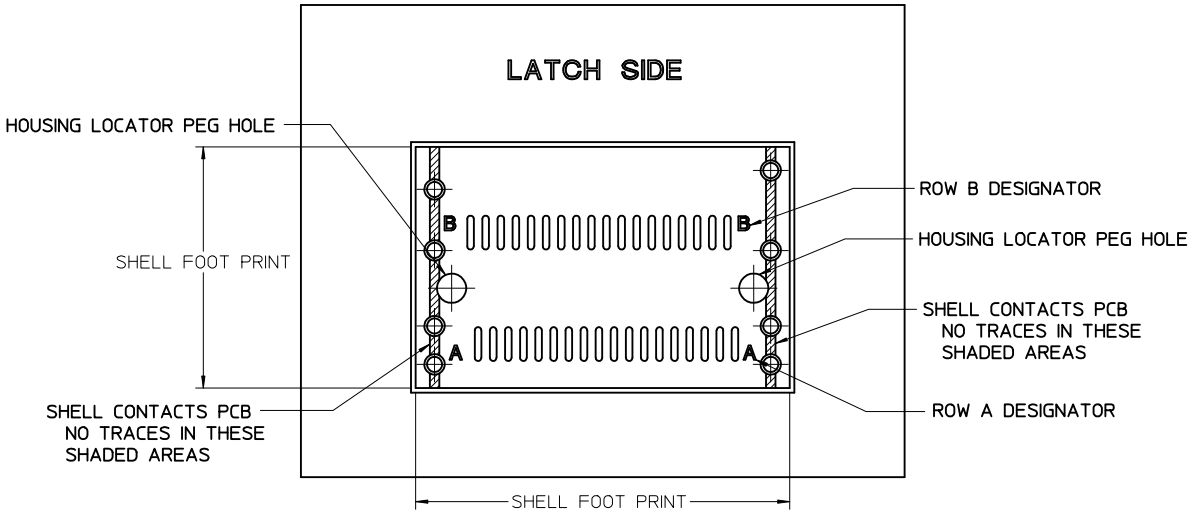
TITLE: I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 10 OF 12
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



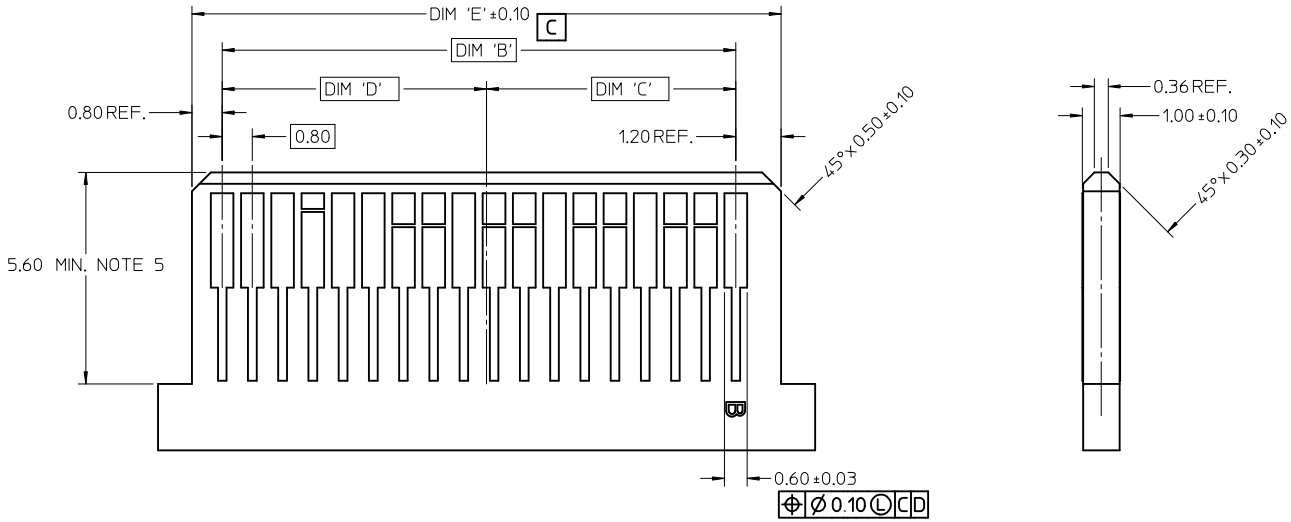
36 CIRCUIT SHOWN

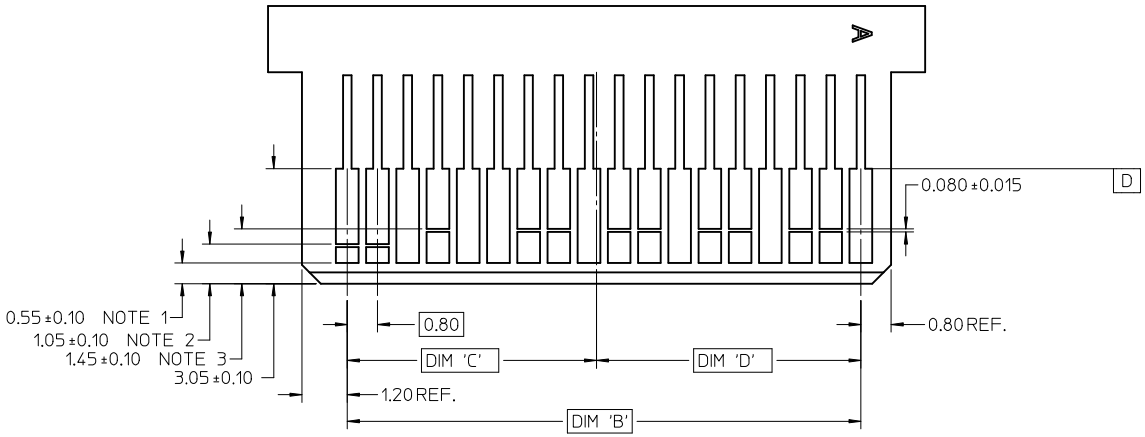
iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1 EC NO: UCP2010-1913 2010/02/03 DRWN:KLANG 2010/03/24 CH'KD:JSWENSON 2010/03/25 APPR:MBANAKIS	QUALITY SYMBOLS ▼=0 Ⓒ=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 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 KLANG DATE 02/09/05 CHECKED BY JSWENSON DATE 02/09/05 APPROVED BY MBANAKIS DATE 02/02/05 MATERIAL NO. SEE CHART	SCALE 5:1	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. 11 OF 12
DESCRIPTION REV D2				SIZE C					

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

MATING INTERFACE (FOR REFERENCE ONLY)





36 CIRCUIT SHOWN

NOTES:
1. PAD CONFIGURATION FOR FIRST MATE.
2. PAD CONFIGURATION FOR SECOND MATE.
3. PAD CONFIGURATION FOR THIRD MATE. (HIGH SPEED SIGNALS)
4. FOR PIN ASSIGNMENTS AND MATING SEQUENCE (1ST, 2ND, 3RD), SEE APPLICABLE SPECIFICATION.
5. 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

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1
EC NO: UCP2010-1913 2010/02/03
DRWN: KLANG 2010/03/24
CH'KD: JSWENSON 2010/03/25
APPR: MBANAKIS
DESCRIPTION
D2
REV

QUALITY SYMBOLS
▼=0
▽C=0

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
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

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

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 12 OF 12
SIZE: C

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