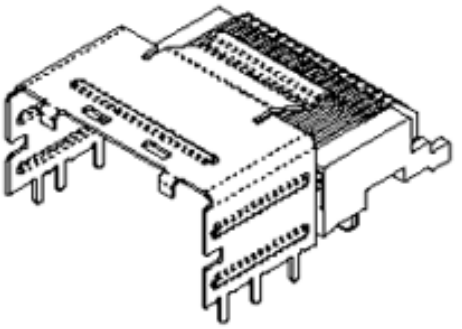
This document was generated on 05/28/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0757830129
Status: Active
Overview: ipass
Description: 0.80mm (.031") Pitch, iPass™ I/O SMT Receptacle, Right Angle, Internal Application, 36 Circuit, 0.38µm (15µ") Gold (Au), Through Hole Shell, Left Key



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-75783-001 (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	75783
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)	25
Flammability	94V-0
Gender	Receptacle
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	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.077 In
PCB Thickness Recommended (mm)	1.96 mm
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

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
75783Series

Mates With
iPass™ Cable Assemblies, 79575 , 79576 , 74562 , 74563 , 79536 , 74573 , 74569 , 74586

Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +80°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire Insulation Diameter	N/A
Wire Size AWG	N/A

Electrical

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

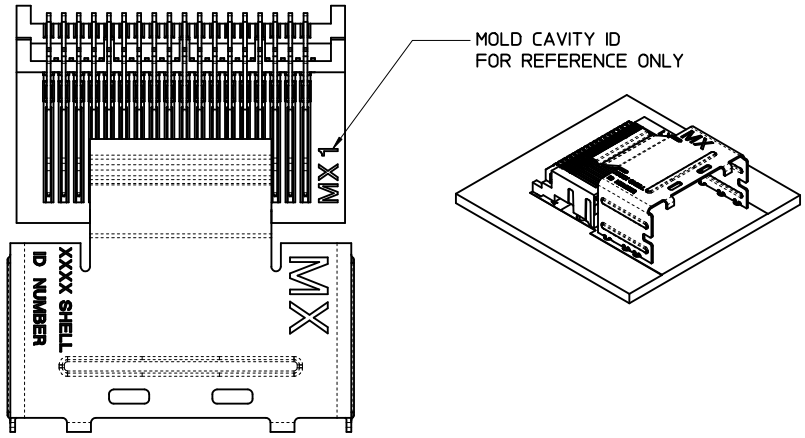
Solder Process Data

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

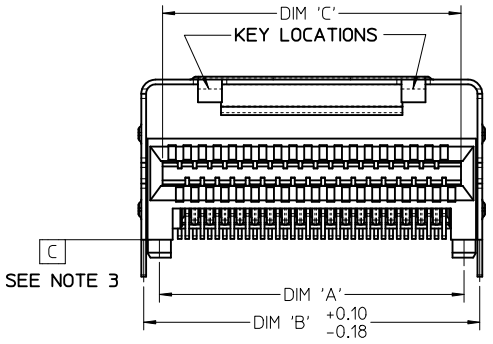
Material Info

Reference - Drawing Numbers

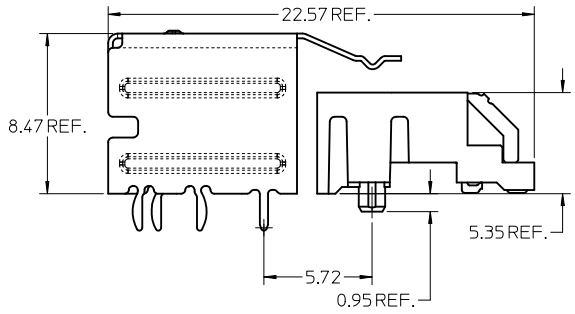
Packaging Specification	PK-75783-001
Product Specification	PS-75783-001
Sales Drawing	SD-75783-001



NOTES:
1. MATERIAL:
   CONNECTOR:
   HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
   TERMINALS - COPPER ALLOY
   SHELL
   SILVER NICKEL, 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 FRONT HOUSING STAND OFF (DATUM C)
4. DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) 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



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

iPass™ IS A TRADEMARK OF MOLEX

GEOMETRY UPDATE
EC NO: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD:JSWENSON 2010/03/25
APPR:MBANAKIS
DESCRIPTION
REV D1

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

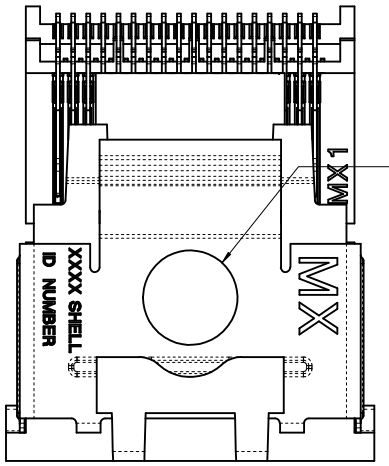
TITLE: I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

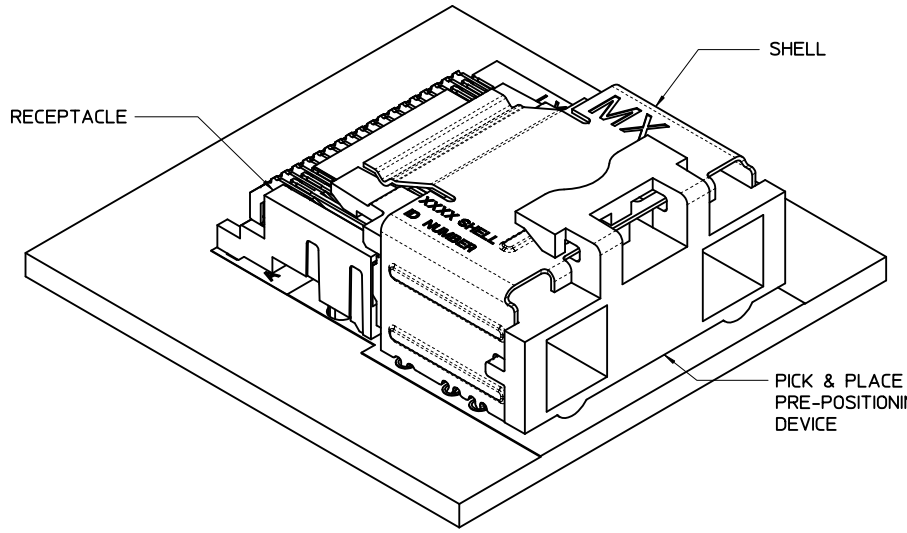
molex MOLEX INCORPORATED

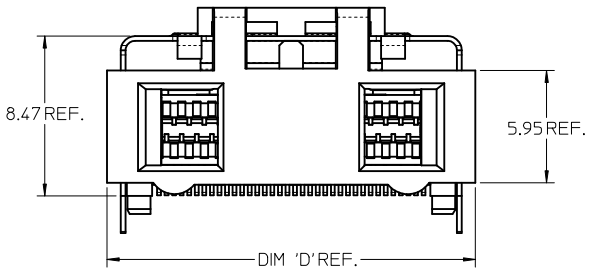
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
SHEET NO.: 1 OF 12
SIZE: C

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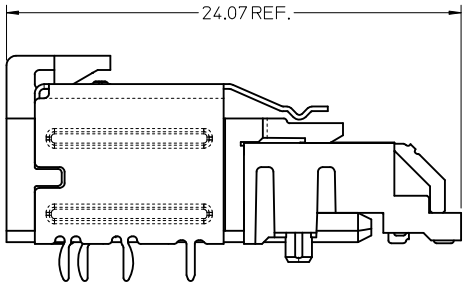
ASSEMBLY WITH PRE-POSITION DEVICE







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: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD:JSWENSON 2010/03/25
APPR:MBANAKIS
DESCRIPTION
D1
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: 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

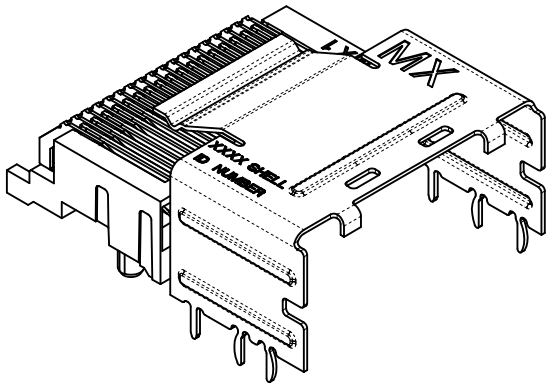
TITLE: I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

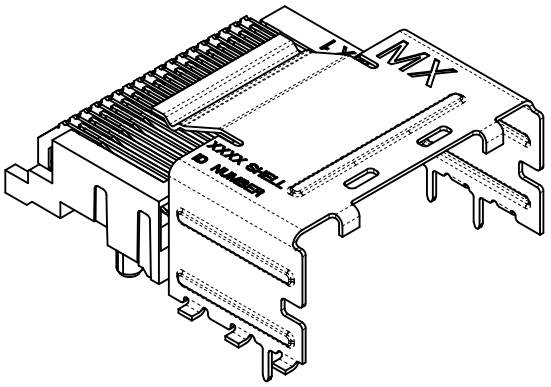
molex MOLEX INCORPORATED

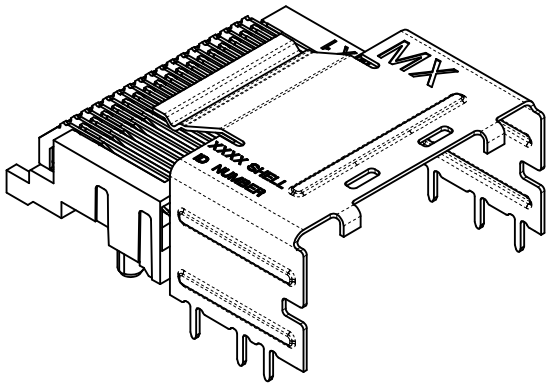
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
SHEET NO.: 2 OF 12
SIZE: C

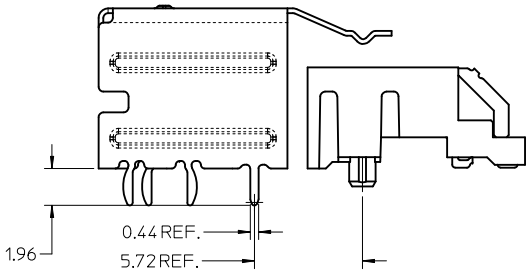
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SHELL PCB INTERFACE

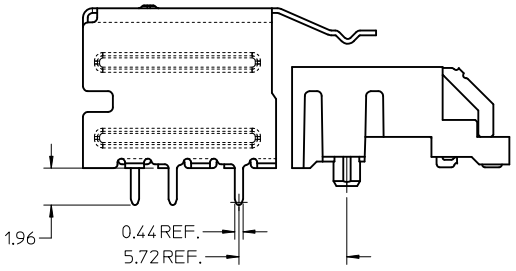




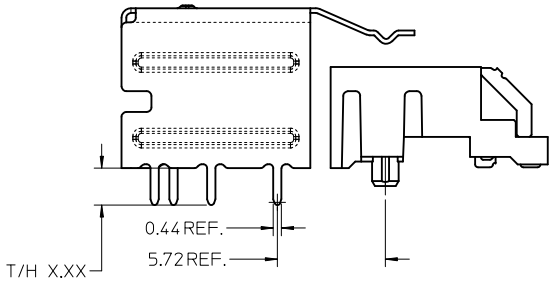




RETENTION-FIT
SHELL OPTION



SMT SHELL OPTION



THRU-HOLE SHELL OPTION
SEE TABLE FOR LENGTH
(X.XX DENOTES 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: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD:JSWENSON 2010/03/25
APPR:MBANAKIS
DESCRIPTION
D1
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

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

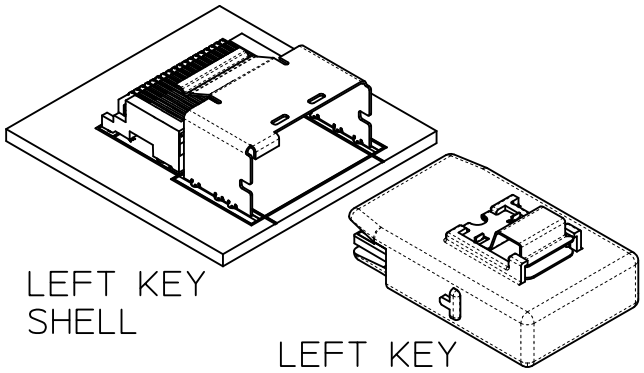
TITLE: I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
SHEET NO.: 3 OF 12
SIZE: C

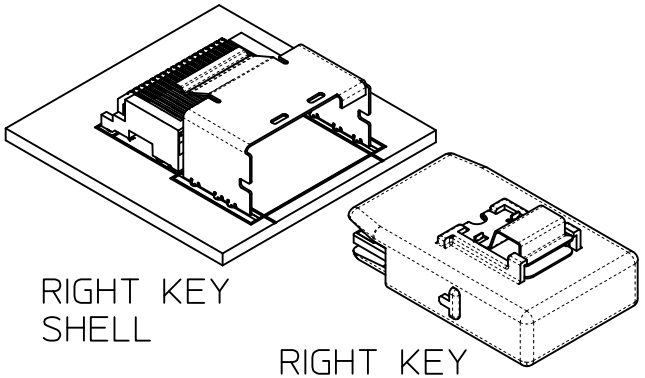
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KEYING OPTIONS



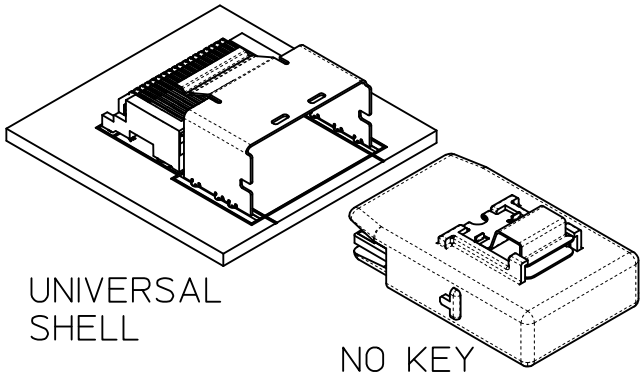
LEFT KEY SHELL

LEFT KEY PLUG



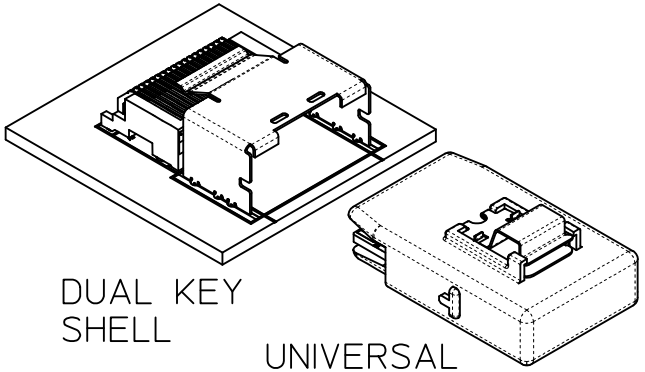
RIGHT KEY SHELL

RIGHT KEY PLUG



UNIVERSAL SHELL

NO KEY PLUG



DUAL KEY SHELL

UNIVERSAL PLUG

	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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SEE SHEET 1
EC NO: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CHKD:JSWENSON 2010/03/25
APPR:MBANAKIS
DESCRIPTION
REV
D1

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 R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
SHEET NO.: 4 OF 12
SIZE: C

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

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

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1
EC NO: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD:JSWENSON
APPR:MBANAKIS 2010/03/25
DESCRIPTION
REV
D1

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 R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
SHEET NO.: 5 OF 12

SIZE C

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

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

iPass™ IS A TRADEMARK OF MOLEX

ENTER DESCRIPTION
EC NO: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CHKD:JSWENSON 2010/03/25
APPR:MBANAKIS 2010/03/25
DESCRIPTION
D1
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

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

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
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	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
EC NO: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD:JSWENSON
APPR:MBANAKIS 2010/03/25
DESCRIPTION
REV
D1

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 R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
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	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: UCP2010-1913 2010/02/03
DRWN:KLANG 2010/03/24
CH'KD:JSWENSON 2010/03/25
APPR:MBANAKIS
DESCRIPTION
D1
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

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

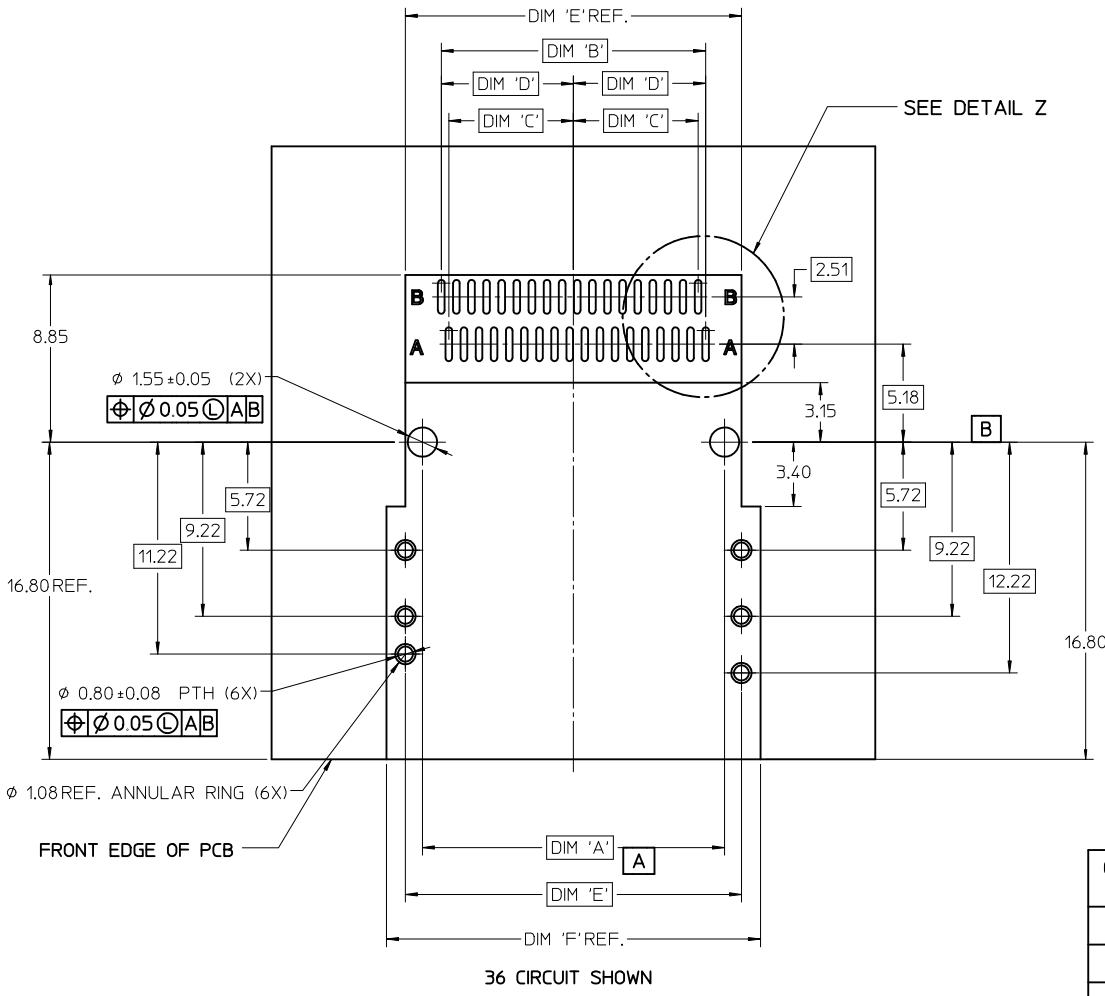
TITLE: I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

molex MOLEX INCORPORATED

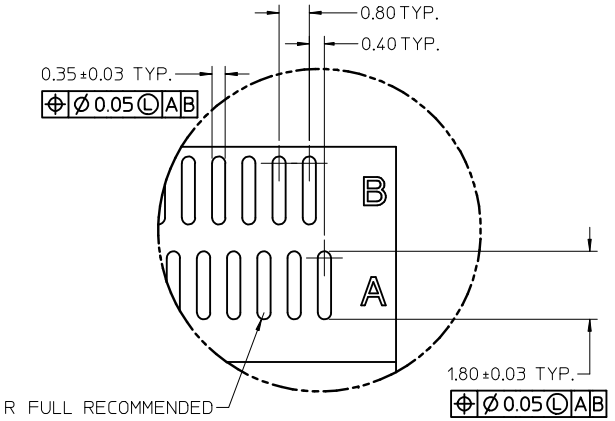
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
SHEET NO.: 8 OF 12
SIZE: C

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

RIGHT ANGLE 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 PAD TO LAST PAD	DIM 'C' CENTERLINE TO PAD	DIM 'D' CENTERLINE TO PAD	DIM 'E' CONNECTOR WIDTH SHELL PEG TO PEG	DIM 'F' SHELL FOOTPRINT WIDTH
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

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
D1
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: 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

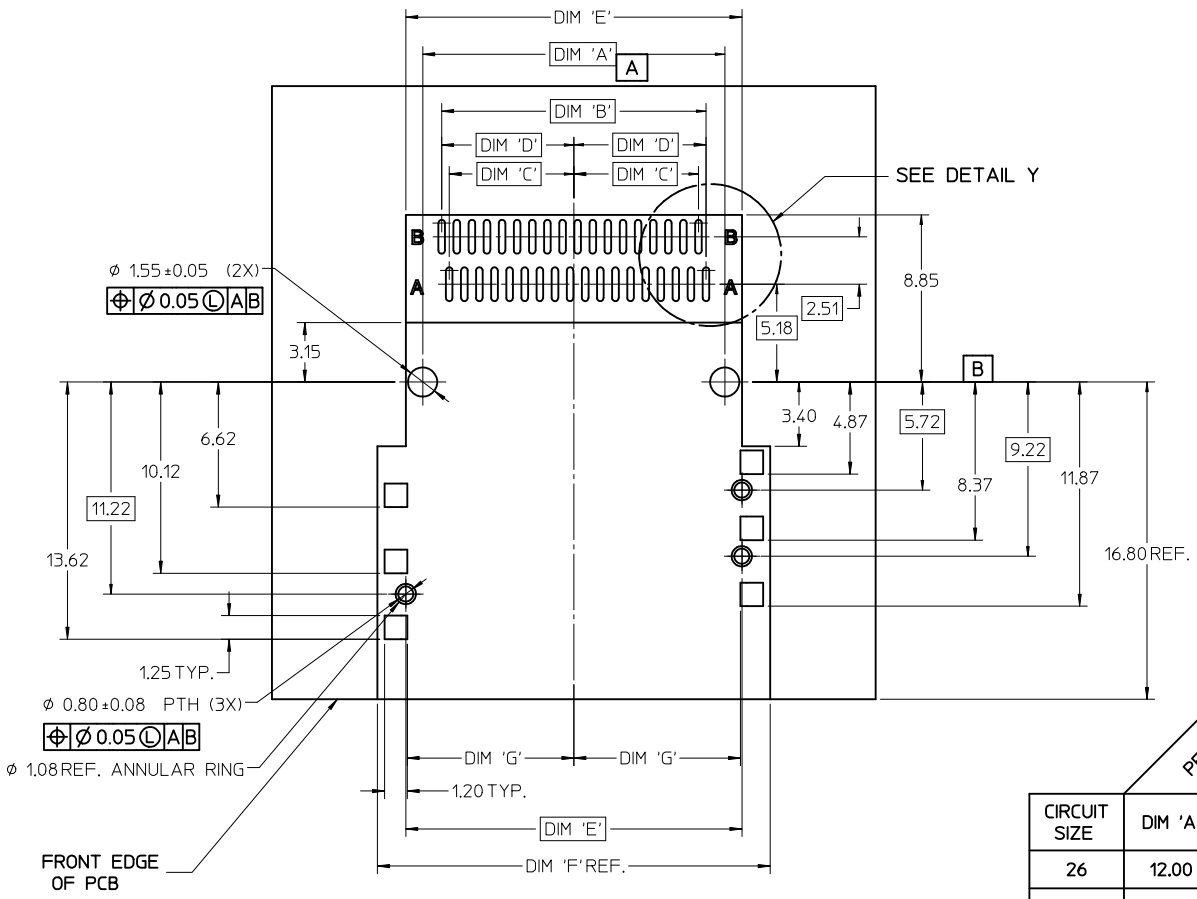
TITLE: I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

molex MOLEX INCORPORATED

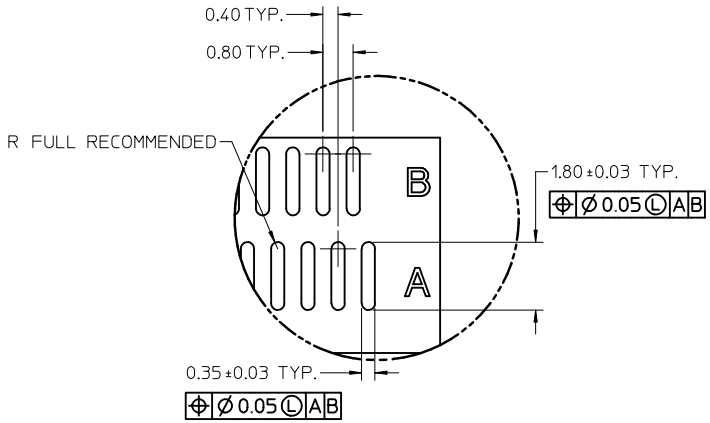
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
SHEET NO.: 9 OF 12
SIZE: C

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

RIGHT ANGLE 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 PAD TO LAST PAD	DIM 'C' CENTERLINE TO PAD	DIM 'D' CENTERLINE TO PAD	DIM 'E' CONNECTOR WIDTH SHELL PEG TO PEG	DIM 'F' SHELL FOOTPRINT WIDTH	DIM 'G' CENTERLINE TO PAD EDGE
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

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 2010/03/25
DESCRIPTION
D1
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

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

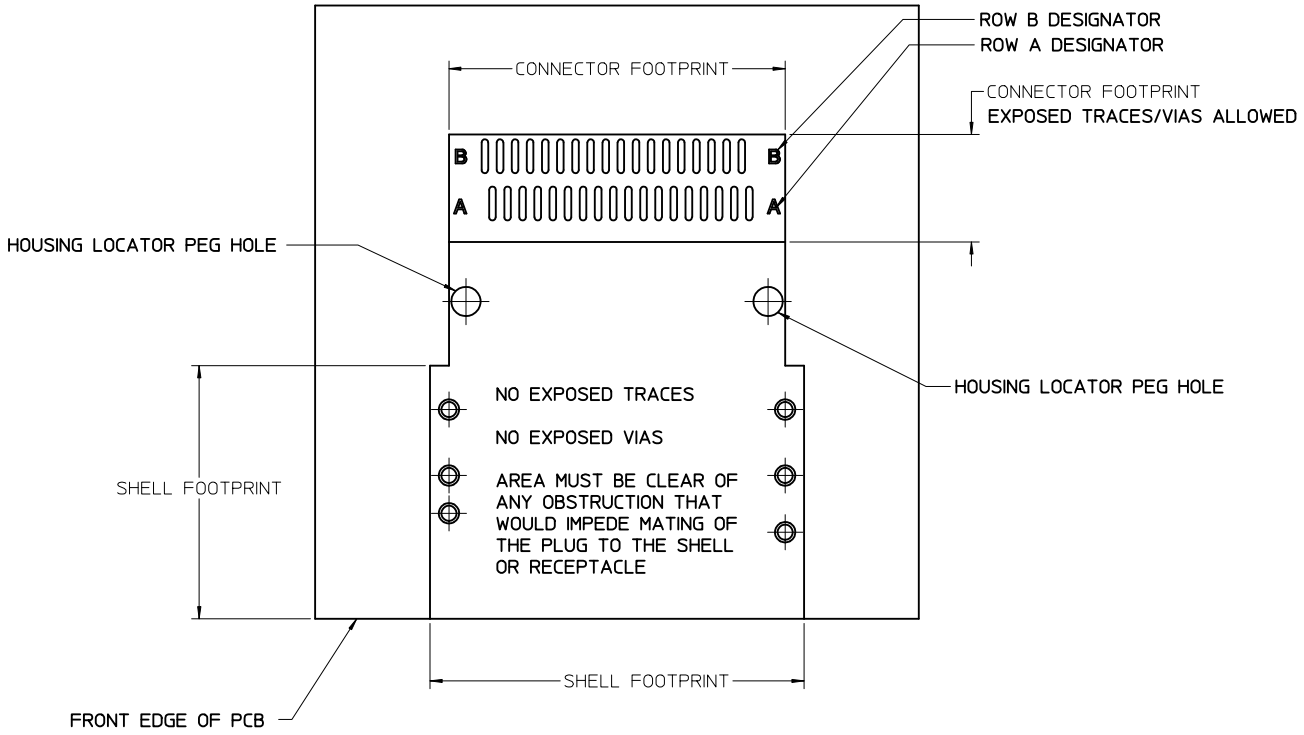
TITLE: I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
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

RIGHT ANGLE CONNECTOR WITH SHELL
PCB FOOT PRINT DESCRIPTIONS



36 CIRCUIT SHOWN

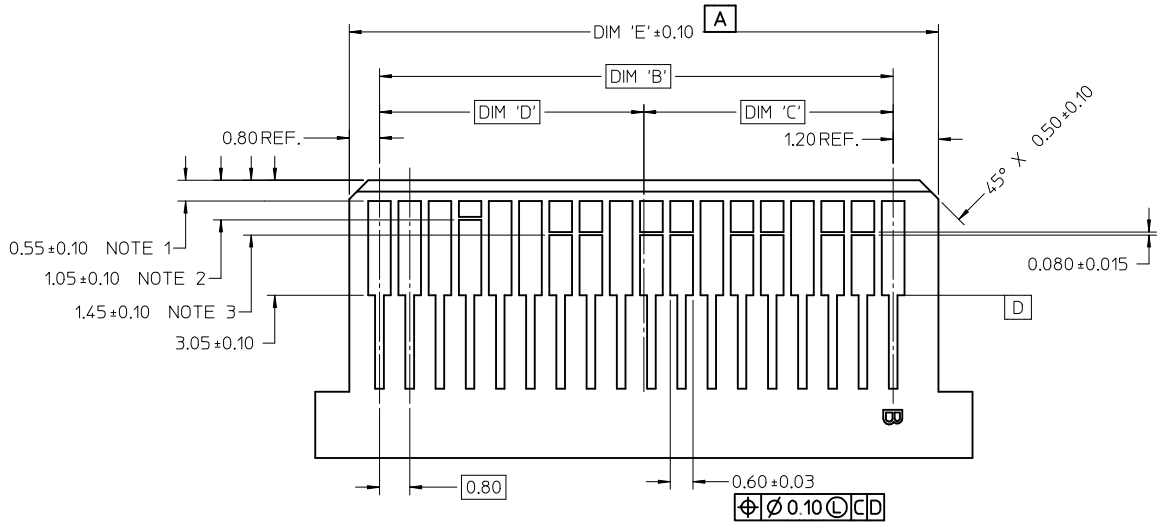
NOTE: IF RECEPTACLE AND SHELL ARE NOT PLACED AT EDGE OF PCB AS SHOWN, ADDITIONAL CLEARANCE IS NEEDED FOR BODY OF PLUG AND CABLE

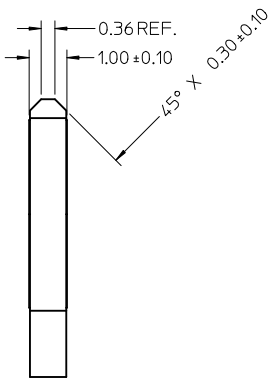
iPass™ IS A TRADEMARK OF MOLEX

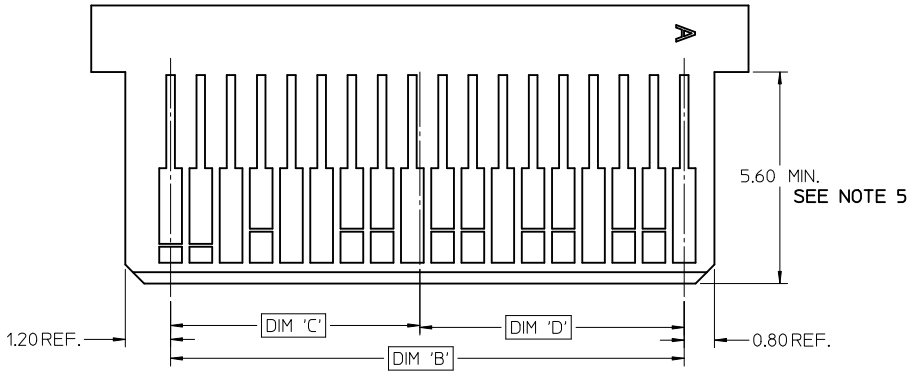
SEE SHEET 1 EC NO: UCP2010-1913 DRWN:KLANG 2010/02/03 CH'KD:JSWENSON 2010/03/24 APPR:MBANAKIS 2010/03/25 DESCRIPTION D1 REV	QUALITY SYMBOLS ▼=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.13 / ± --- 1 PLACE ± 0.25 / ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY 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 R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O molex MOLEX INCORPORATED DOCUMENT NO. SD-75783-001 SHEET NO. 11 OF 12 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
APPR:MBANAKIS 2010/03/25
DESCRIPTION
D1
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: 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 R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75783-001
SHEET NO.: 12 OF 12
SIZE: C

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