This document was generated on 05/28/2010

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** 0757840129
**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 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) | 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 |
| 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 |

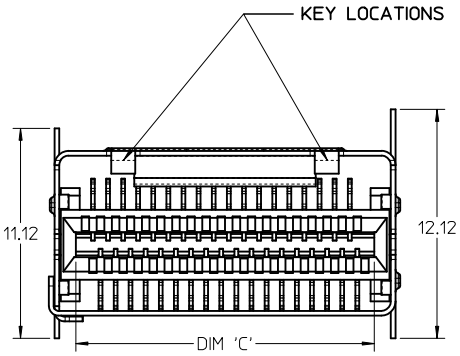
## Solder Process Data

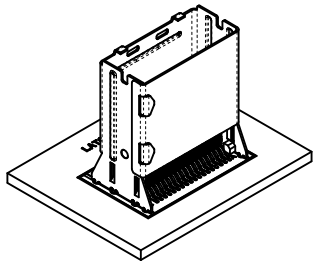
| | |
|---|---|
| Lead-free Process Capability | Reflow Capable (SMT only) |
| Process Temperature max. C | 260 |

## Material Info

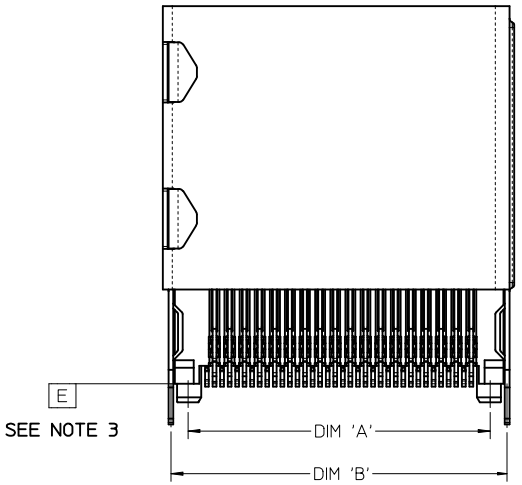
## Reference - Drawing Numbers

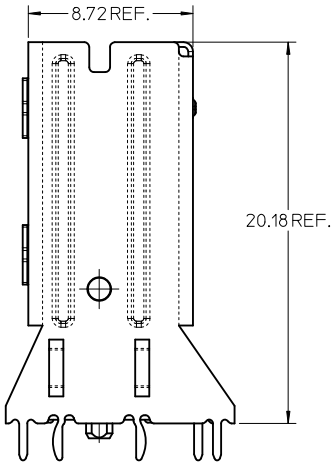
| | |
|---|---|
| Application Specification | AS-75783-001 |
| Packaging Specification | PK-75783-001 |
| Sales Drawing | SD-75784-001 |



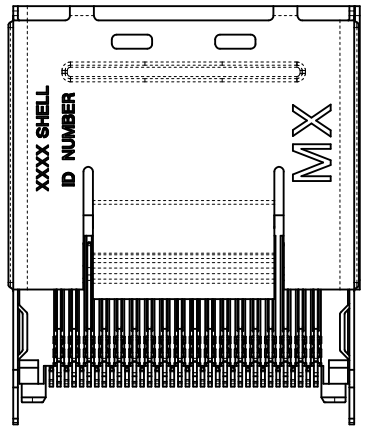



NOTES:
1. MATERIAL:
   CONNECTOR:
   HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
   TERMINALS - COPPER ALLOY
   SHELL
   NICKEL SILVER, C770, THICKNESS: 0.250/0.254
2. FINISH:
   CONNECTOR
   OPTION 1
   CONTACT AREA - 0.38µm MIN GOLD OVER 2.54 µm NICKEL
   SOLDER FOOT AREA - 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

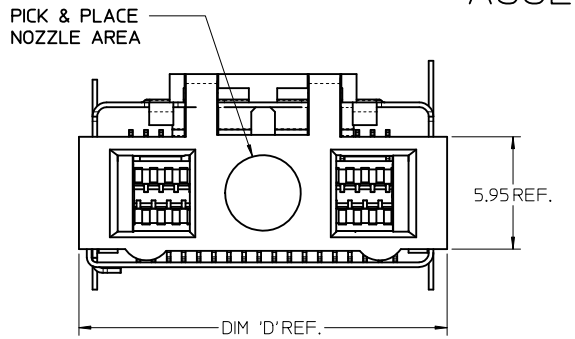
molex MOLEX INCORPORATED

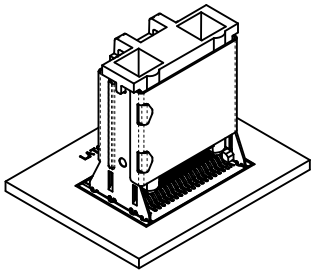
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 1 OF 12

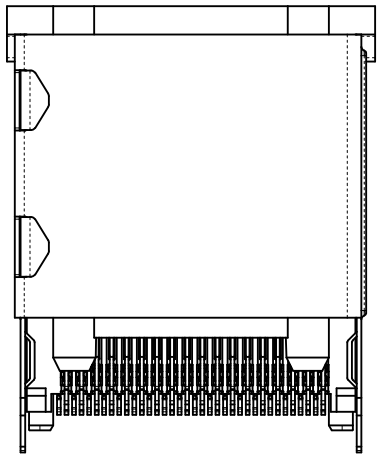
SIZE: C

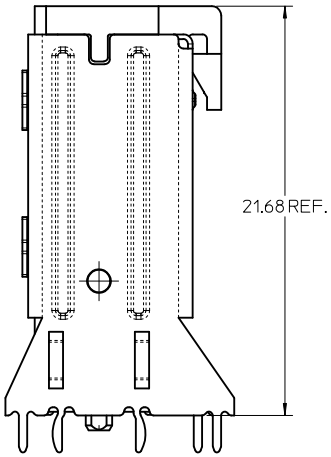
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

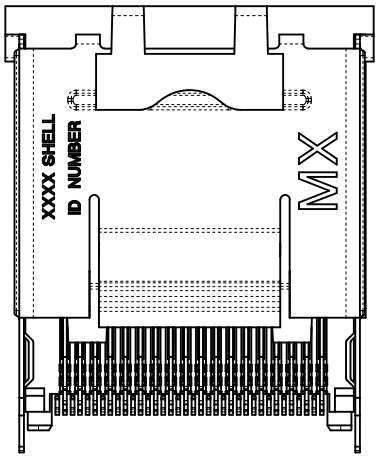
# ASSEMBLY WITH PRE-POSITIONING DEVICE








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 |

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
▽(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 |

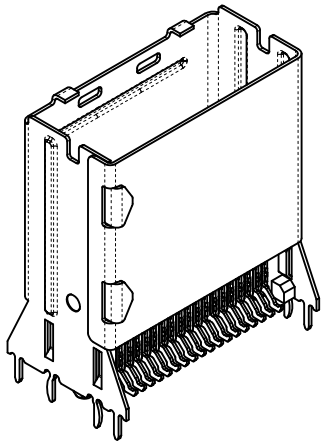
TITLE: I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

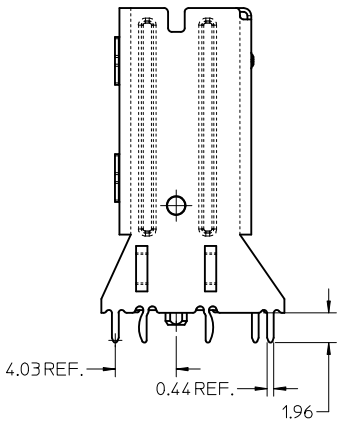
molex MOLEX INCORPORATED

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

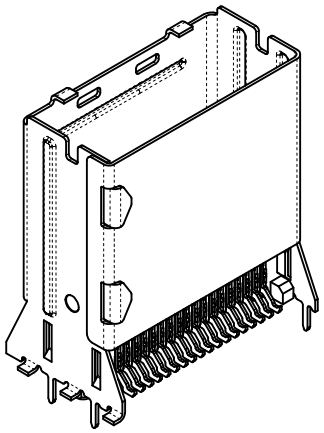
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

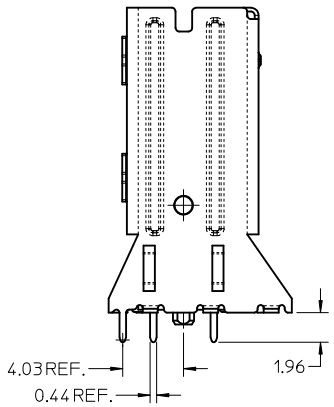
# SHELL PCB INTERFACE



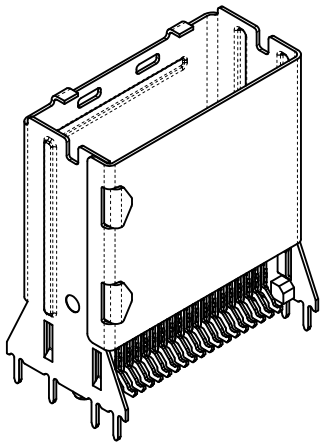


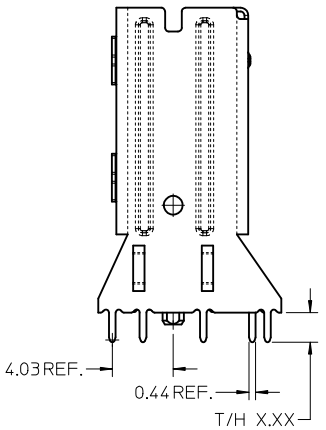

RETENTION-FIT
SHELL OPTION






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 2010/02/03
DRWN:KLANG 2010/03/24
CHKD:JSWENSON
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 |

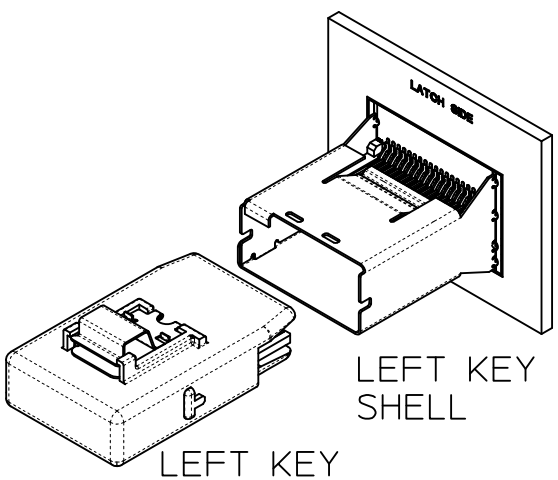
TITLE: I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

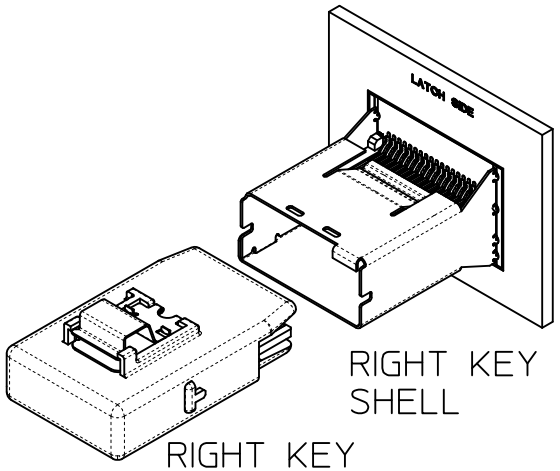
molex MOLEX INCORPORATED

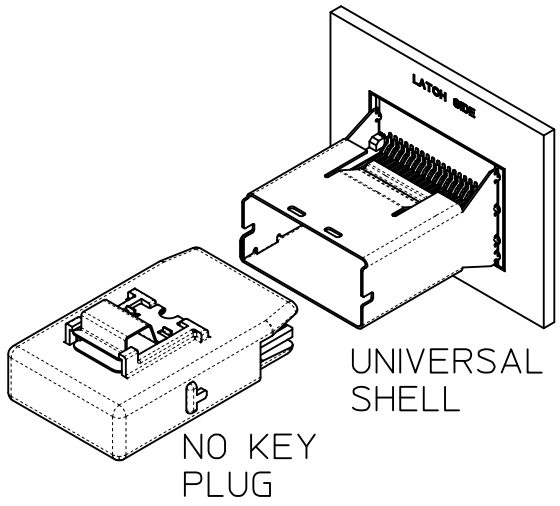
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 3 OF 12
SIZE: C

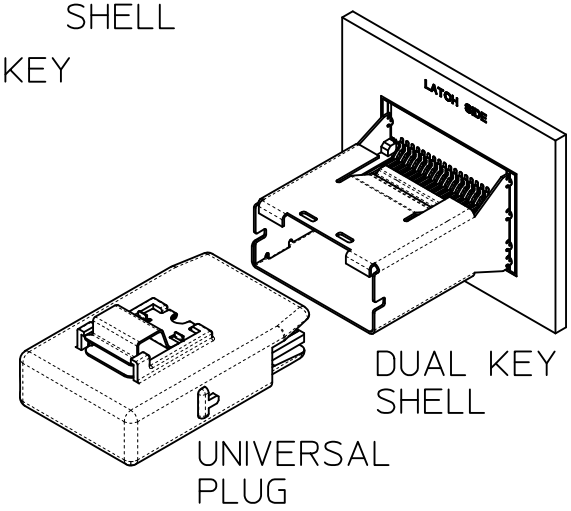
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# 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: UCP2010-1913 2010/02/03
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 | ± --- | ± --- |
| 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.: 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 | 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 |

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
Ⓒ▽=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.: 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 | 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 |

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
Ⓒ▽=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

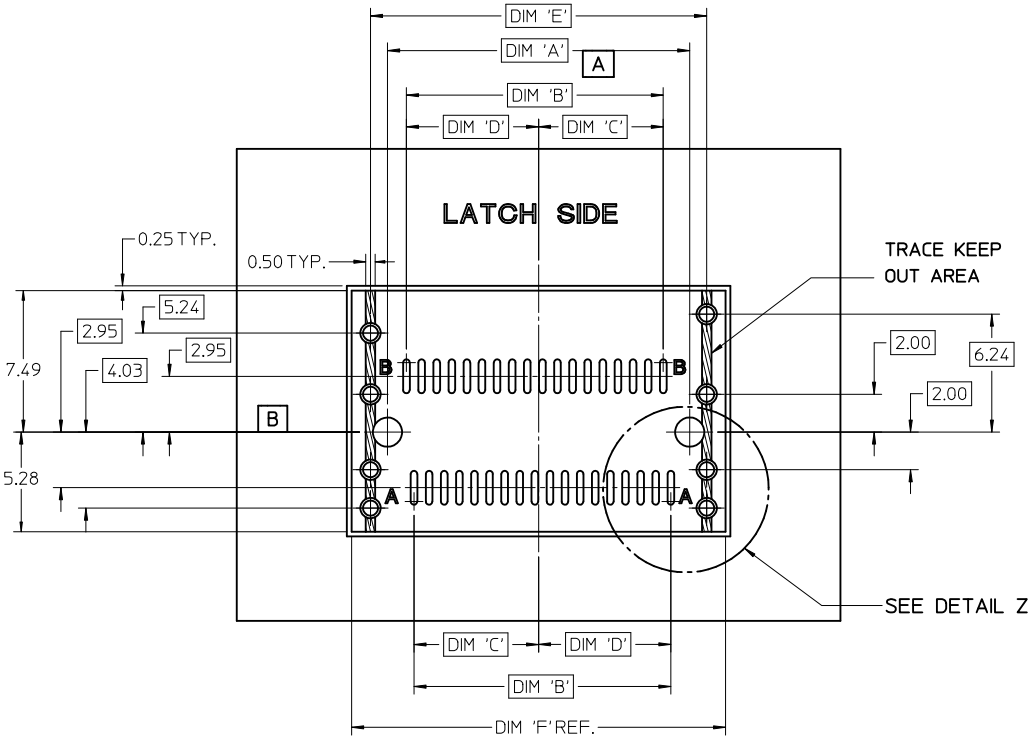
molex MOLEX INCORPORATED

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

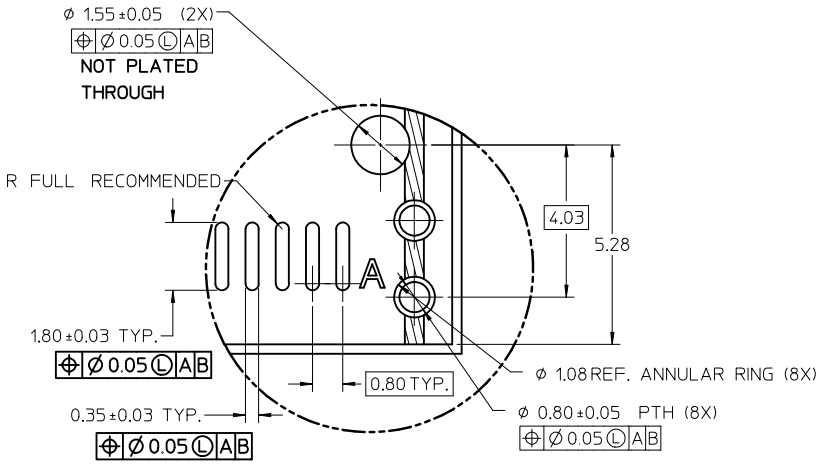
SIZE C

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 |

iPass™ IS A TRADEMARK OF MOLEX

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 |

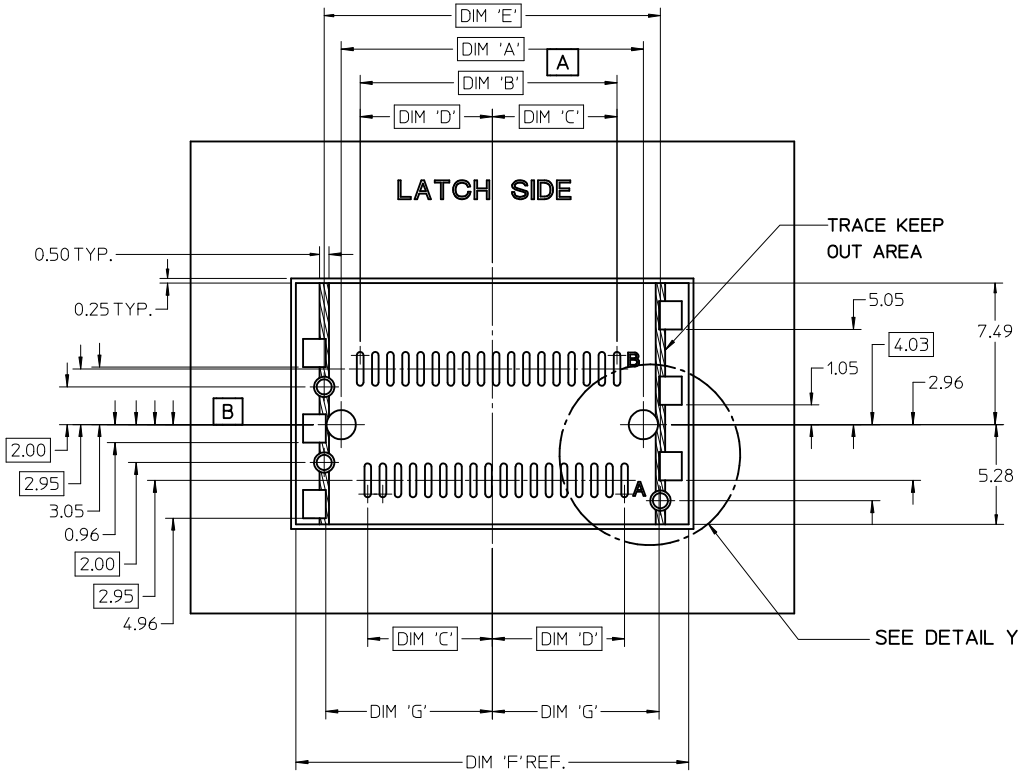
TITLE: I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

molex MOLEX INCORPORATED

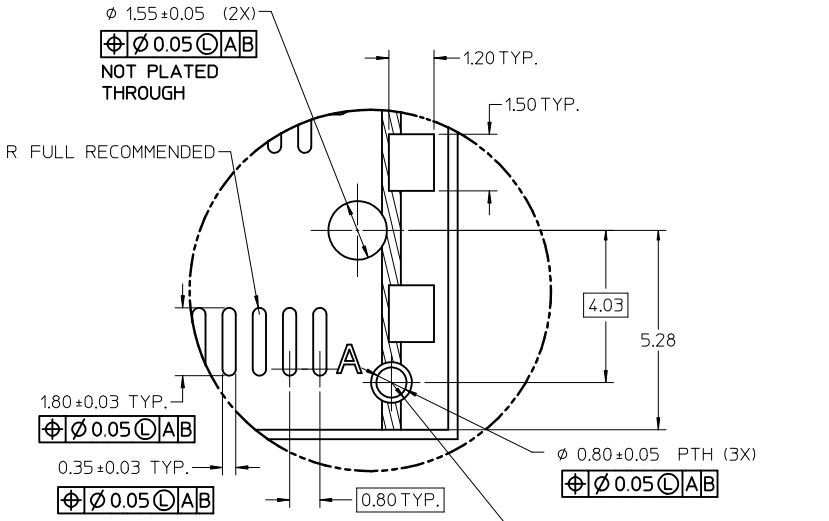
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75784-001
SHEET NO.: 9 OF 12
SIZE: C

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 |

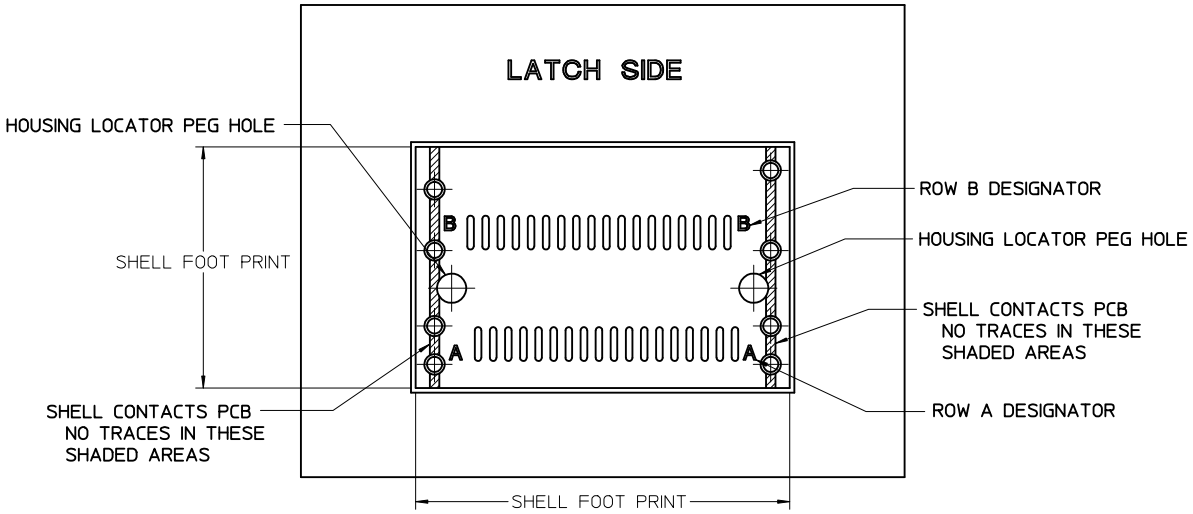
TITLE: I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

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



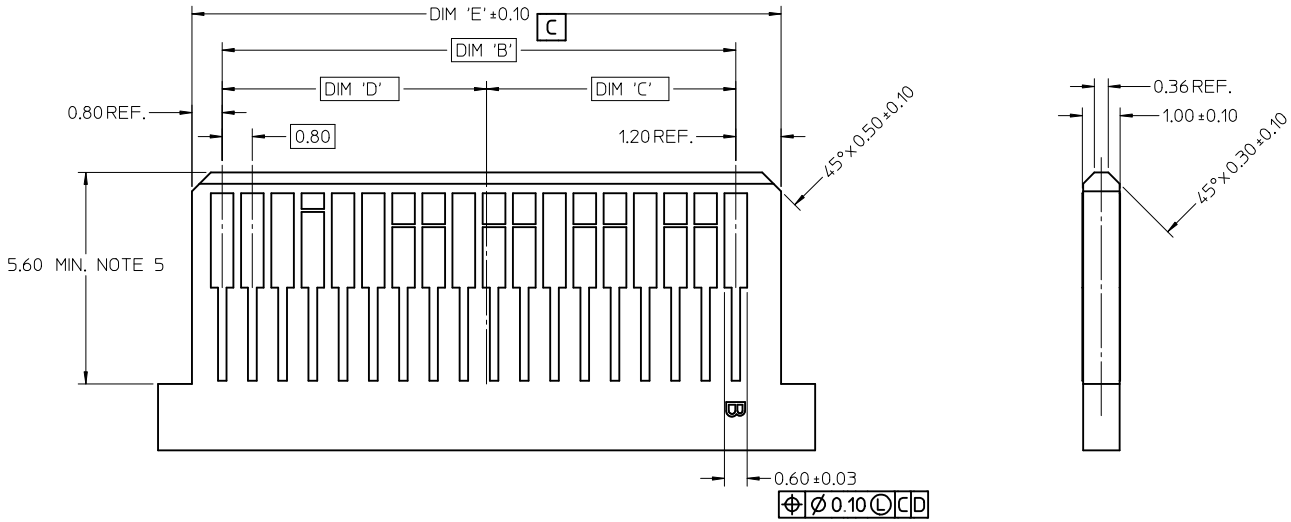

36 CIRCUIT SHOWN

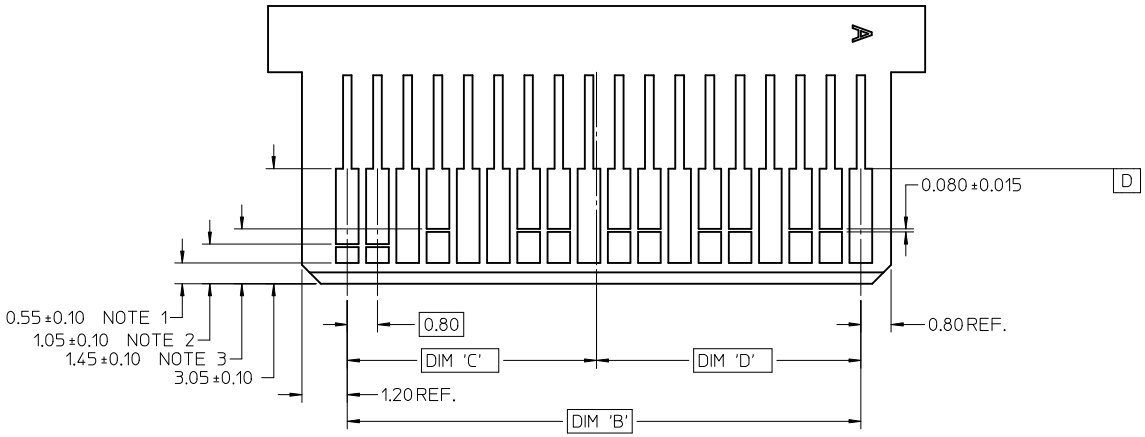
iPass™ IS A TRADEMARK OF MOLEX

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SEE SHEET 1<br>EC NO: UCP2010-1913 2010/02/03<br>DRWN:KLANG 2010/03/24<br>CH'KD:JSWENSON 2010/03/25<br>APPR:MBANAKIS | QUALITY SYMBOLS<br>▼=0<br>Ⓒ=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.13 ± ---<br>1 PLACE ± 0.25 ± ---<br>ANGULAR ±1/2°<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY KLANG DATE 02/09/05<br>CHECKED BY JSWENSON DATE 02/09/05<br>APPROVED BY MBANAKIS DATE 02/02/05<br>MATERIAL NO. SEE CHART | SCALE 5:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | TITLE<br>I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O<br>MOLEX INCORPORATED | DOCUMENT NO. SD-75784-001 | SHEET NO. 11 OF 12 |
| DESCRIPTION<br>REV<br>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

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

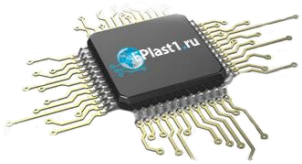
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

**Телефон:** 8 (812) 309 58 32 (многоканальный)
**Факс:** 8 (812) 320-02-42
**Электронная почта:** org@eplast1.ru
**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.