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**Part Number:** [0743370051](#)  
**Status:** **Active**  
**Description:** 0.80mm (.031") Pitch Ultra+™ VHDCI Wire-to-Board Receptacle, Stacked, Right Angle, with or without Enhanced Shield, Version 4 Footprint, 136 Circuits

**Documents:**

|                                    |                                                           |
|------------------------------------|-----------------------------------------------------------|
| <a href="#">3D Model</a>           | <a href="#">Product Specification PS-71425-9999 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>      | <a href="#">RoHS Certificate of Compliance (PDF)</a>      |
| <a href="#">Test Summary (PDF)</a> |                                                           |

**Agency Certification**

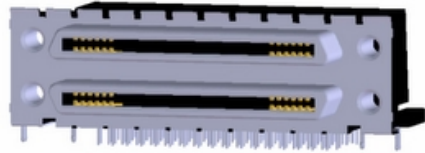
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|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                       |
|----------------|-----------------------|
| Product Family | I/O Connectors        |
| Series         | <a href="#">74337</a> |
| Application    | Wire-to-Board         |
| Comments       | With Top Cover        |
| Component Type | Receptacle            |
| Product Name   | SCSI+, VHDCI          |
| Type           | N/A                   |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Boot Color                     | N/A                            |
| Circuits (Loaded)              | 136                            |
| Circuits (maximum)             | 136                            |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 500                            |
| Flammability                   | 94V-0                          |
| Gender                         | Female                         |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 4                              |
| Orientation                    | Right Angle                    |
| PC Tail Length (in)            | 0.082 In                       |
| PC Tail Length (mm)            | 2.08 mm                        |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.063 In                       |
| PCB Thickness Recommended (mm) | 1.60 mm                        |
| Packaging Type                 | Tray                           |
| 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)      | 40                             |
| Plating min: Mating (µm)       | 1.00                           |
| Plating min: Termination (µin) | 40                             |
| Plating min: Termination (µm)  | 1.00                           |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |



*image - Reference only* **Series**

**EU RoHS**  
**RoHS Compliant by Exemption**  
**REACH SVHC**  
Not Reviewed  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**  
[74337Series](#)

**Mates With**  
Ultra+™ VHDCI Plug Kit 71425

|                                |                |
|--------------------------------|----------------|
| Ports                          | 2              |
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -55°C to +85°C |
| Termination Interface: Style   | Through Hole   |
| Waterproof / Dustproof         | No             |
| Wire Size AWG                  | N/A            |

**Electrical**

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.5A            |
| Shield Type                   | Full Shield     |
| Shielded                      | Yes             |
| Voltage - Maximum             | 30V AC (RMS)/DC |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 40                     |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 3                      |
| Process Temperature max. C                     | 245                    |

**Material Info**

**Reference - Drawing Numbers**

|                         |               |
|-------------------------|---------------|
| Packaging Specification | PK-74337-001  |
| Product Specification   | PS-71425-9999 |
| Sales Drawing           | SD-74337-014  |

This document was generated on 05/28/2010  
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## NOTES:

## 1. MATERIALS:

HOUSING, COVER, AND TAIL ALIGNER: HIGH TEMPERATURE  
THERMOPLASTIC, UL94, V-0 RATED, COLOR: BLACK  
TERMINAL: PHOSPHOR BRONZE ALLOY  
BRACKET: BRASS  
SHELL: STEEL  
INSERT: BRASS

## 2. FINISHES:

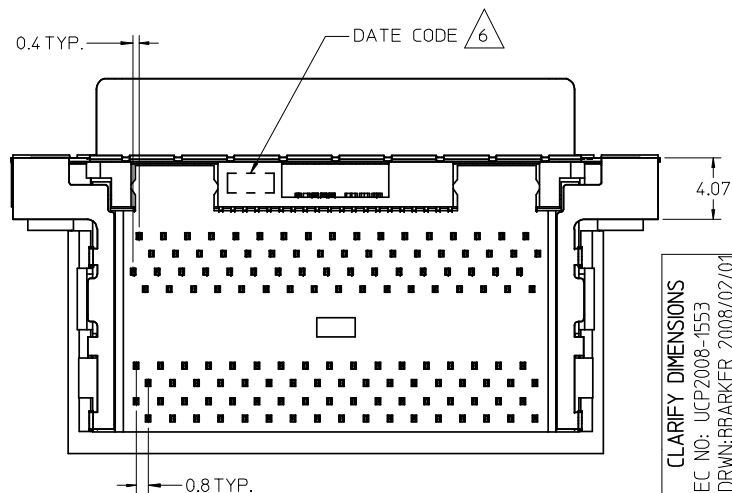
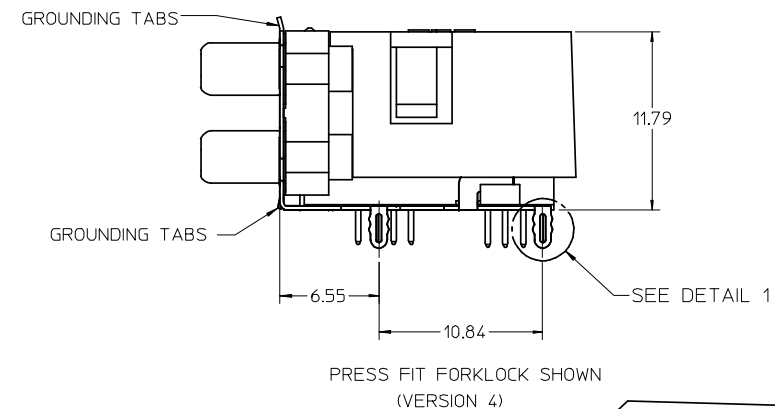
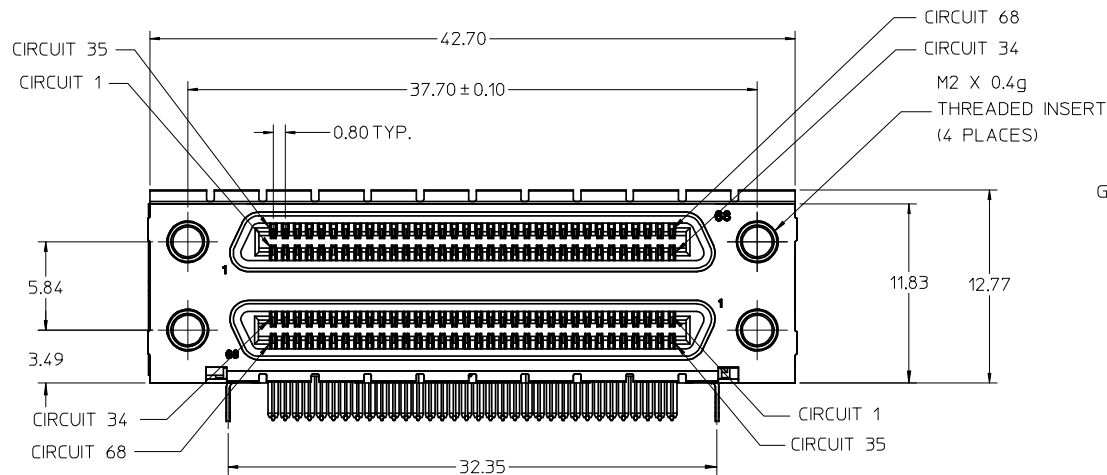
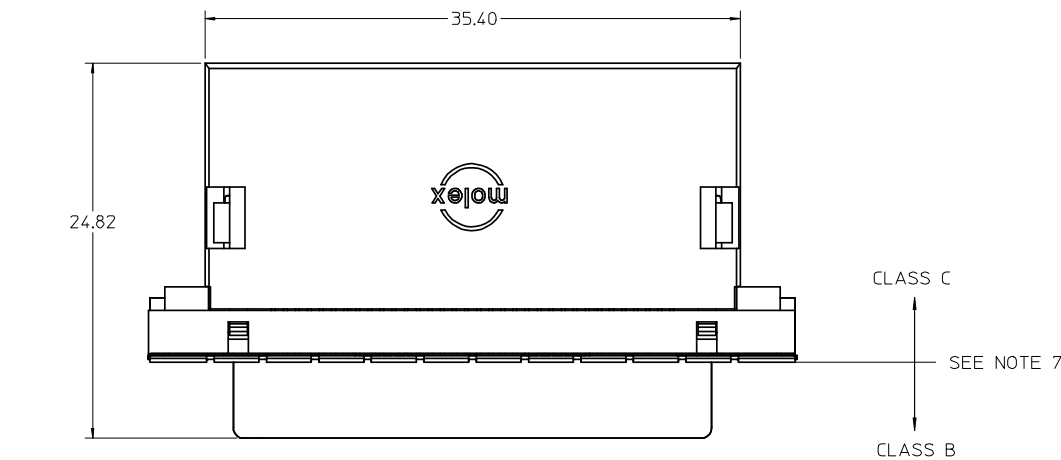
TERMINAL: 0.05-0.25 MICROMETERS GOLD FLASH IN CRITICAL  
AREA OVER 0.75 MICROMETERS MINIMUM PALLADIUM NICKEL  
IN CRITICAL AREA, 1.87 MICROMETERS MINIMUM TIN IN  
SOLDER TAIL AREA, ALL OVER NICKEL.  
BRACKET: 5.0 MICROMETERS MINIMUM BRIGHT TIN.  
SHIELD: 3.81 MICROMETERS MINIMUM BRIGHT TIN OVER 1.27  
MICROMETERS MINIMUM NICKEL OVER COPPER FLASH (OPTIONAL).  
INSERT: 2.54 MICROMETERS MINIMUM NICKEL.

## 3. PRODUCT SPECIFICATION: PS-71425-9999.

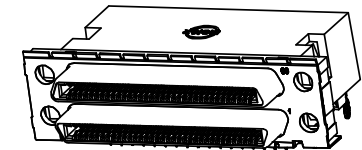
## 4. PACKAGING SPECIFICATION: TRAY PACK PER PK-74337-001.

## 5. APPLICABLE STANDARDS: EIA-700A0AF AND SFF-8441.

## △ DATE CODE: YR/WK PER EIA-476-A.

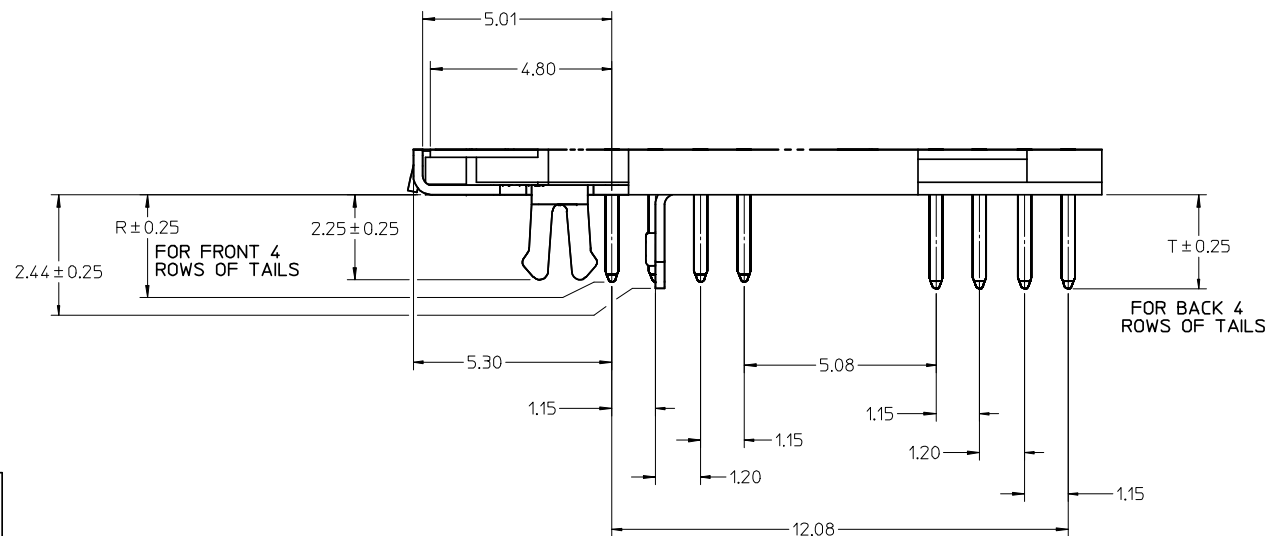
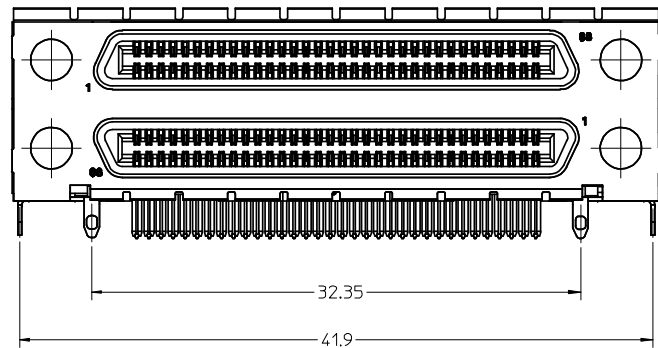
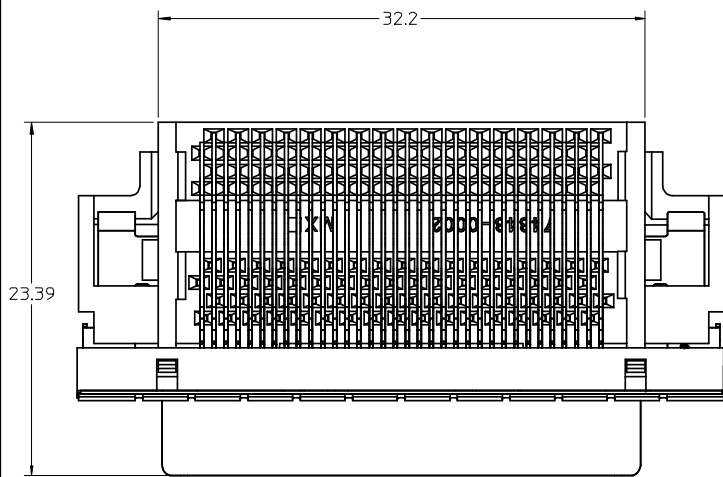
7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.  
SEE FIGURE AT LEFT FOR SURFACE CLASSIFICATIONS.8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS:  
0.34 Nm MAXIMUM.

## WITH COVER OPTION

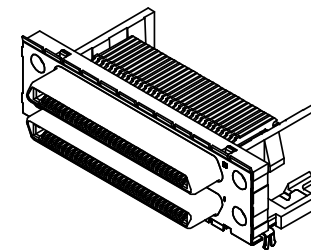
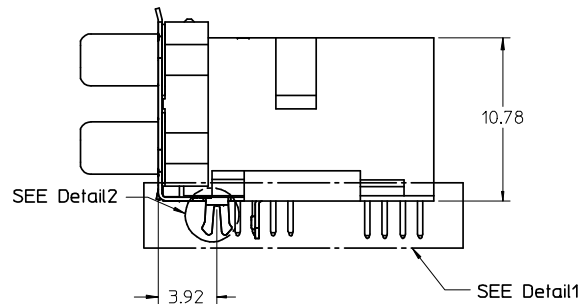


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| CLARIFY DIMENSIONS<br>EC NO: UCP2008-1553<br>DRWN:BBARKER 2008/02/01<br>CHKD:DMORGAN 2008/02/07<br>APPR:SMILLER 2008/02/08 | QUALITY SYMBOLS<br><div>▽ = 0</div> <div>▽C = 0</div> | DESCRIPTION                                             | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | SCALE<br>3:1 | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION | REVISE ON CAD ONLY |                                 |
|                                                                                                                            |                                                       |                                                         |                                       |  |              |                        |                                                                                                              |                    | TITLE<br>VHDCI STACKED ASSEMBLY |
|                                                                                                                            |                                                       |                                                         |                                       |  |              |                        |                                                                                                              |                    |                                 |
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12 11 10 9 8 7 6 5 4 3 2 74337



Detail1  
SCALE 10:1

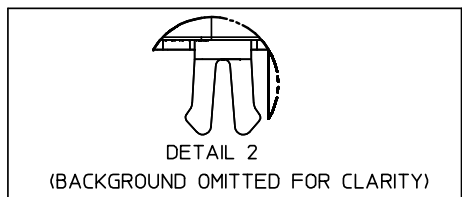


### WITHOUT COVER OPTION

|                                                                                                                            |             |                                                       |                                                                                                                               |        |              |                                                         |                        |                                 |                    |                              |  |                     |  |
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| CLARIFY DIMENSIONS<br>EC NO: UCP2008-1553<br>DRWN:BBARKER 2008/02/01<br>CHKD:DMORGAN 2008/02/07<br>APPR:SMILLER 2008/02/08 | DESCRIPTION | QUALITY SYMBOLS<br><div>▽ = 0</div> <div>▽C = 0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         |        | SCALE<br>4:1 | DESIGN UNITS<br>METRIC                                  | THIRD ANGLE PROJECTION |                                 | REVISE ON CAD ONLY |                              |  |                     |  |
|                                                                                                                            |             |                                                       |                                                                                                                               | mm     | INCH         | DIMENSION STYLE<br>MM ONLY                              |                        | TITLE<br>VHDCI STACKED ASSEMBLY |                    |                              |  |                     |  |
|                                                                                                                            |             |                                                       | 4 PLACES                                                                                                                      | ± ---  | ± ---        | DRAWN BY<br>SSAMPSON                                    |                        |                                 |                    |                              |  | DATE<br>05.08.2001  |  |
|                                                                                                                            |             |                                                       | 3 PLACES                                                                                                                      | ± ---  | ± ---        | CHECKED BY<br>MBANAKIS                                  |                        | DATE<br>05.08.2001              |                    | MOLEX INCORPORATED           |  |                     |  |
|                                                                                                                            |             |                                                       | 2 PLACES                                                                                                                      | ± 0.13 | ± ---        | APPROVED BY<br>MBANAKIS                                 |                        | DATE<br>05.08.2001              |                    |                              |  |                     |  |
|                                                                                                                            |             |                                                       | 1 PLACE                                                                                                                       | ± 0.25 | ± ---        | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |                        | MATERIAL NO.<br>SEE TABLE       |                    | DOCUMENT NO.<br>SD-74337-014 |  | SHEET NO.<br>2 OF 4 |  |
|                                                                                                                            |             |                                                       | ANGULAR ± 1 °                                                                                                                 |        |              |                                                         |                        |                                 |                    |                              |  |                     |  |
| REV                                                                                                                        |             |                                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |              |                                                         |                        |                                 |                    |                              |  | C                   |  |

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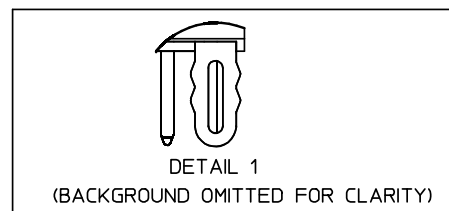
VERSION 1 PART NUMBERS



BOARD RETENTION: SNAP FIT

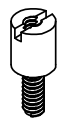
| PCB THICKNESS | COVER | R DIM. | T DIM. | INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005 | GROUNDING TABS | PART NUMBER |
|---------------|-------|--------|--------|----------------------------------------------------------------------|----------------|-------------|
| 1.60±0.16     | YES   | 2.30   | 2.48   | NO                                                                   | YES            | 74337-0011  |
| 1.60±0.16     | YES   | 2.08   |        | NO                                                                   | YES            | 74337-0012  |
| 1.60±0.16     | NO    | 2.30   | 2.48   | NO                                                                   | YES            | 74337-0015  |
| 1.60±0.16     | NO    | 2.08   |        | NO                                                                   | YES            | 74337-0016  |
| 1.60±0.16     | YES   | 2.30   | 2.48   | YES                                                                  | YES            | 74337-0037  |
| 1.60±0.16     | YES   | 2.08   |        | YES                                                                  | YES            | 74337-0038  |
| 1.60±0.16     | NO    | 2.30   | 2.48   | YES                                                                  | YES            | 74337-0039  |
| 1.60±0.16     | NO    | 2.08   |        | YES                                                                  | YES            | 74337-0040  |
| 2.36±0.16     | YES   | 3.44   | 3.62   | NO                                                                   | YES            | 74337-0070  |
| 2.36±0.16     | NO    | 3.44   | 3.62   | NO                                                                   | YES            | 74337-0071  |
| 2.36±0.16     | YES   | 3.44   | 3.62   | YES                                                                  | YES            | 74337-0072  |
| 2.36±0.16     | NO    | 3.44   | 3.62   | YES                                                                  | YES            | 74337-0073  |
| 1.60±0.16     | YES   | 2.08   |        | INSTALLED ON PART                                                    | YES            | 74337-1038  |

VERSION 4 PART NUMBERS



BOARD RETENTION: PRESS FIT

| PCB THICKNESS | COVER | R DIM. | T DIM. | INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005 | GROUNDING TABS | PART NUMBER |
|---------------|-------|--------|--------|----------------------------------------------------------------------|----------------|-------------|
| 1.60±0.16     | YES   | 2.30   | 2.48   | NO                                                                   | YES            | 74337-0050  |
| 1.60±0.16     | YES   | 2.08   |        | NO                                                                   | NO             | 74337-0051  |
| 1.60±0.16     | NO    | 2.30   | 2.48   | NO                                                                   | YES            | 74337-0060  |
| 1.60±0.16     | NO    | 2.08   |        | NO                                                                   | YES            | 74337-0061  |
| 1.60±0.16     | YES   | 2.08   |        | NO                                                                   | YES            | 74337-0066  |
| 1.60±0.16     | YES   | 2.30   | 2.48   | YES                                                                  | YES            | 74337-0053  |
| 1.60±0.16     | YES   | 2.08   |        | YES                                                                  | YES            | 74337-0054  |
| 1.60±0.16     | NO    | 2.30   | 2.48   | YES                                                                  | YES            | 74337-0063  |
| 1.60±0.16     | NO    | 2.08   |        | YES                                                                  | YES            | 74337-0064  |
| 2.36±0.16     | YES   | 3.44   | 3.62   | NO                                                                   | YES            | 74337-0052  |
| 2.36±0.16     | NO    | 3.44   | 3.62   | NO                                                                   | YES            | 74337-0062  |
| 2.36±0.16     | YES   | 3.44   | 3.62   | YES                                                                  | YES            | 74337-0055  |
| 2.36±0.16     | NO    | 3.44   | 3.62   | YES                                                                  | YES            | 74337-0065  |
| 1.60±0.16     | YES   | 2.08   |        | INSTALLED ON PART                                                    | YES            | 74337-1054  |



OPTIONAL SCREWLOCK  
71433-0002

|                                                                                                                            |                 |               |                                                         |        |                                                                                                                               |                            |                        |                                 |                    |                                                                                                     |  |  |
|----------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|---------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|---------------------------------|--------------------|-----------------------------------------------------------------------------------------------------|--|--|
| CLARIFY DIMENSIONS<br>EC NO: UCP2008-1553<br>DRWN:BBARKER 2008/02/01<br>CHKD:DMORGAN 2008/02/07<br>APPR:SMILLER 2008/02/08 | QUALITY SYMBOLS | DESCRIPTION   | GENERAL TOLERANCES (UNLESS SPECIFIED)                   |        | SCALE<br>3:1                                                                                                                  | DESIGN UNITS<br>METRIC     | THIRD ANGLE PROJECTION |                                 | REVISE ON CAD ONLY |                                                                                                     |  |  |
|                                                                                                                            |                 |               |                                                         | mm     | INCH                                                                                                                          | DIMENSION STYLE<br>MM ONLY |                        | TITLE<br>VHDCI STACKED ASSEMBLY |                    |                                                                                                     |  |  |
|                                                                                                                            |                 |               | 4 PLACES                                                | ± ---  | ± ---                                                                                                                         | DRAWN BY<br>SSAMPSON       |                        | DATE<br>05.08.2001              |                    | MOLEX MOLEX INCORPORATED<br>MATERIAL NO. SEE TABLE<br>DOCUMENT NO. SD-74337-014<br>SHEET NO. 3 OF 4 |  |  |
|                                                                                                                            |                 |               | 3 PLACES                                                | ± ---  | ± ---                                                                                                                         | CHECKED BY<br>MBANAKIS     |                        | DATE<br>05.08.2001              |                    |                                                                                                     |  |  |
|                                                                                                                            |                 |               | 2 PLACES                                                | ± 0.13 | ± ---                                                                                                                         | APPROVED BY<br>MBANAKIS    |                        | DATE<br>05.08.2001              |                    |                                                                                                     |  |  |
|                                                                                                                            |                 |               | 1 PLACE                                                 | ± 0.25 | ± ---                                                                                                                         |                            |                        |                                 |                    |                                                                                                     |  |  |
|                                                                                                                            |                 | ANGULAR ± 1 ° | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                        |                                 |                    |                                                                                                     |  |  |
|                                                                                                                            |                 |               |                                                         |        |                                                                                                                               |                            |                        |                                 |                    |                                                                                                     |  |  |

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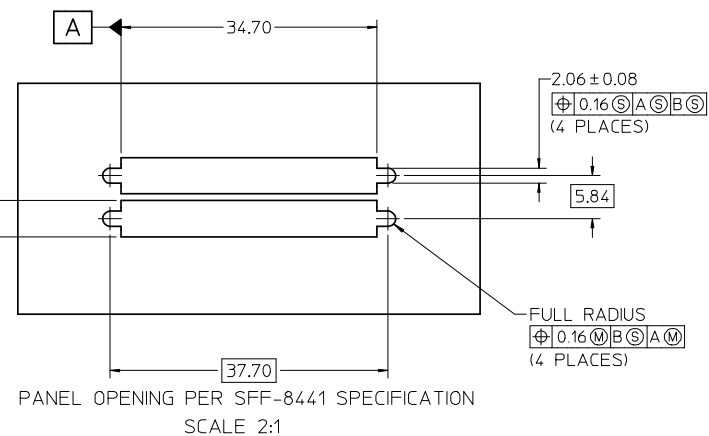
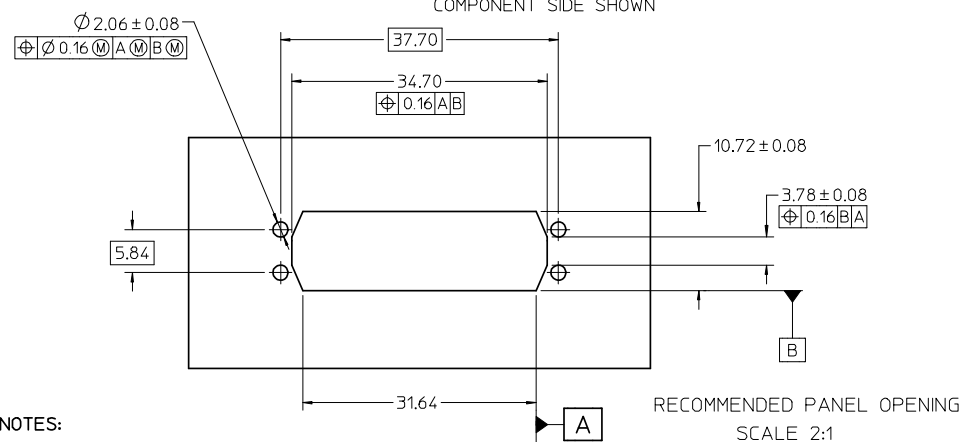
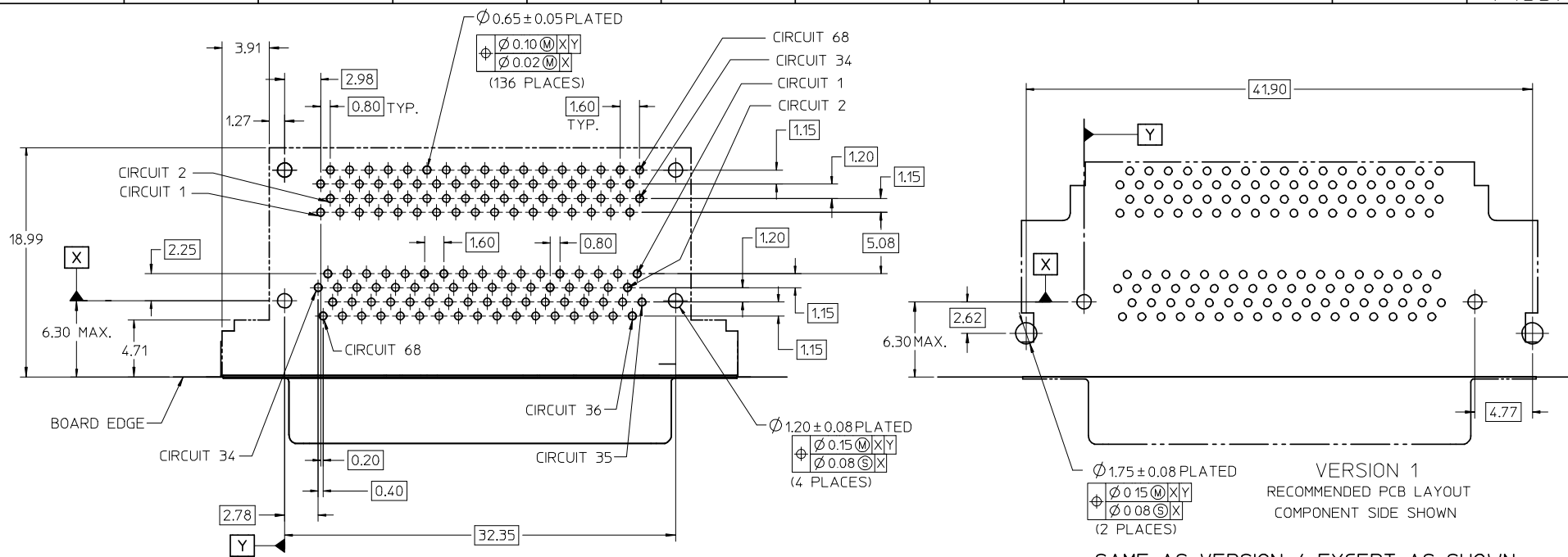
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## NOTES:

1. FOR FULL MATE WITH PLUG, PANEL THICKNESS SHOULD NOT EXCEED 1.0mm.

FUNCTIONAL MATING WITH MOLEX PLUG CAN STILL BE MAINTAINED WITH PANELS AS THICK AS 2.5mm (BUT PLUG AND RECEPTACLE WILL NOT BE FULLY MATED).

2. GUIDELINES FOR CHOOSING A MOLEX SCREWLOCK:

| PANEL THICKNESS               | RECOMMENDED SCREWLOCK |
|-------------------------------|-----------------------|
| LESS THAN OR EQUAL TO 1.00 MM | 71433-0002            |
| 1.01 TO 2.15 MM               | 71433-0010            |

|                                                                                                                            |             |                                                                                                                                                                                        |                                       |                                                                                                                               |                            |                        |                                 |                           |                              |                     |  |
|----------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|---------------------------------|---------------------------|------------------------------|---------------------|--|
| CLARIFY DIMENSIONS<br>EC NO: UCP2008-1553<br>DRWN:BBARKER 2008/02/01<br>CHKD:DMORGAN 2008/02/07<br>APPR:SMILLER 2008/02/08 | DESCRIPTION | QUALITY SYMBOLS                                                                                                                                                                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                               | SCALE<br>3:1               | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION          |                           | REVISE ON CAD ONLY           |                     |  |
|                                                                                                                            |             |  - 0<br> - 0 |                                       |                                                                                                                               | DIMENSION STYLE<br>MM ONLY |                        | TITLE<br>VHDCI STACKED ASSEMBLY |                           |                              |                     |  |
|                                                                                                                            |             |                                                                                                                                                                                        | 4 PLACES                              | ± ---                                                                                                                         | ± ---                      | DRAWN BY<br>SSAMPSON   |                                 | DATE<br>05.08.2001        |                              | MOLEX INCORPORATED  |  |
|                                                                                                                            |             |                                                                                                                                                                                        | 3 PLACES                              | ± ---                                                                                                                         | ± ---                      | DATE<br>05.08.2001     |                                 |                           |                              |                     |  |
|                                                                                                                            |             |                                                                                                                                                                                        | 2 PLACES                              | ± 0.13                                                                                                                        | ± ---                      | DATE<br>05.08.2001     |                                 |                           |                              |                     |  |
| 1 PLACE                                                                                                                    | ± 0.25      | ± ---                                                                                                                                                                                  | DATE<br>05.08.2001                    |                                                                                                                               |                            |                        |                                 |                           |                              |                     |  |
|                                                                                                                            |             | ANGULAR ± 1 °                                                                                                                                                                          |                                       | APPROVED BY<br>MBANAKIS                                                                                                       |                            | DATE<br>05.08.2001     |                                 | MATERIAL NO.<br>SEE TABLE | DOCUMENT NO.<br>SD-74337-014 | SHEET NO.<br>4 OF 4 |  |
|                                                                                                                            |             | DRAFT WHERE APPLICABLE                                                                                                                                                                 |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                        |                                 |                           |                              |                     |  |
|                                                                                                                            |             | MUST REMAIN WITHIN DIMENSIONS                                                                                                                                                          |                                       |                                                                                                                               |                            |                        |                                 |                           |                              |                     |  |

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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