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Part Number:

0714300019

Status:

Active

Description:

0.80mm (.031") Pitch Ultra+™ VHDCI Receptacle, Right Angle, 68 Circuits, PC Tail Length 2.71mm (.107"), Shield with Enhanced Ground Tabs, Screwlocks Loose in Bags

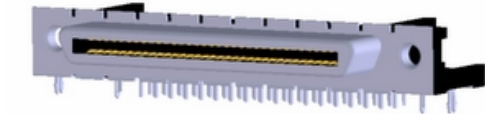


image - Reference only

Series

|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| 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>      |

|                |                                                            |
|----------------|------------------------------------------------------------|
| General        |                                                            |
| Product Family | I/O Connectors                                             |
| Series         | 71430                                                      |
| Application    | Wire-to-Board                                              |
| Comments       | Shield with Enhanced Ground Tabs, Screwlocks Loose in Bags |
| Component Type | Receptacle                                                 |
| Product Name   | SCSI+, VHDCI                                               |
| Type           | N/A                                                        |

|                                |                                |
|--------------------------------|--------------------------------|
| Physical                       |                                |
| Boot Color                     | N/A                            |
| Circuits (Loaded)              | 68                             |
| Circuits (maximum)             | 68                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 500                            |
| Gender                         | Receptacle                     |
| Lock to Mating Part            | Yes                            |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PC Tail Length (in)            | 0.107 In                       |
| PC Tail Length (mm)            | 2.71 mm                        |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.093 In                       |
| PCB Thickness Recommended (mm) | 2.36 mm                        |
| Packaging Type                 | Tube                           |
| Panel Mount                    | Yes                            |
| 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)      | 2                              |
| Plating min: Mating (µm)       | 0.05                           |
| Plating min: Termination (µin) | 75                             |
| Plating min: Termination (µm)  | 1.90                           |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Ports                          | 1                              |
| 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                            |

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Pb

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

71430Series

Mates With

71425 Ultra+™ VHDCI Plug Kit

**Electrical**

|                               |                      |
|-------------------------------|----------------------|
| Current - Maximum per Contact | 0.5A                 |
| Shield Type                   | With Enhanced 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                    |

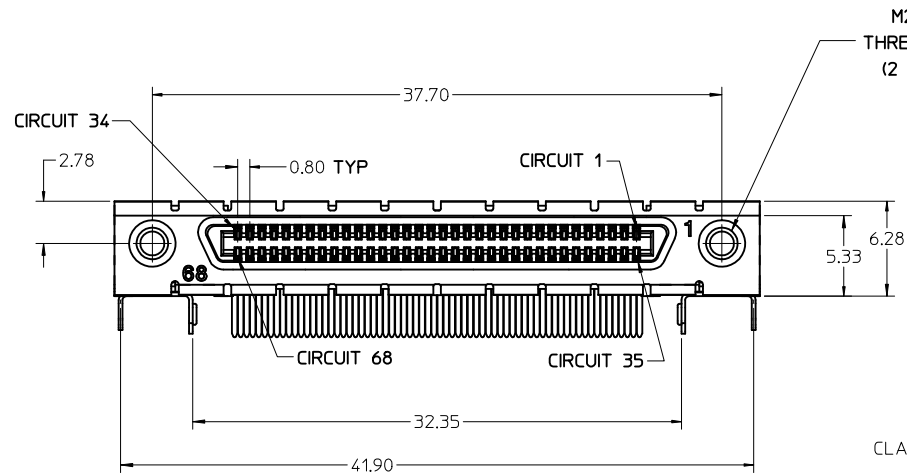
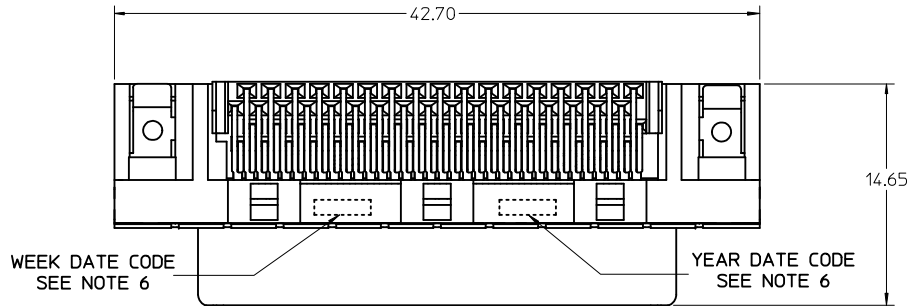
**Material Info**

**Reference - Drawing Numbers**

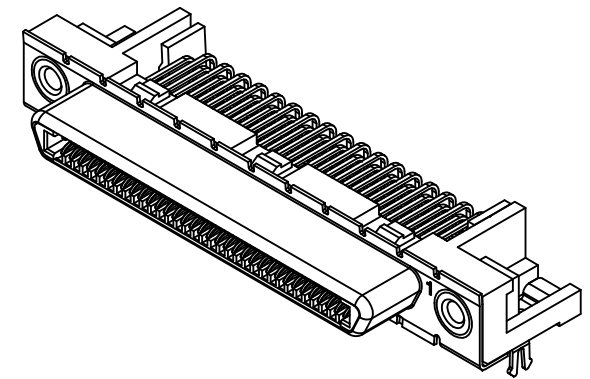
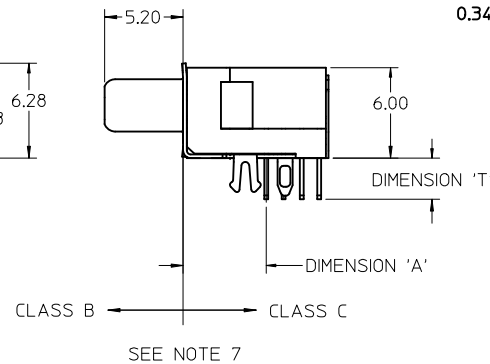
|                       |               |
|-----------------------|---------------|
| Product Specification | PS-71425-9999 |
| Sales Drawing         | SD-71430-015  |

This document was generated on 04/05/2010

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M2 X 0.4g  
THREADED INSERT  
(2 PLACES)



#### NOTES:

##### 1. MATERIALS:

HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL94 V-0, COLOR:BLACK  
TAIL ALIGNER: HIGH TEMPERATURE THERMOPLASTIC,  
TERMINAL: HIGH PERFORMANCE COPPER 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 OVER 1.25 MICROMETERS MINIMUM NICKEL.  
BRACKET: 5.0 MICROMETERS BRIGHT TIN OVER 2.50 MICROMETERS COPPER.  
SHIELD: 3.8 MICROMETERS MINIMUM BRIGHT TIN OVER 1.3 MICROMETERS  
MINIMUM NICKEL OVER COPPER FLASH (OPTIONAL).  
INSERT: 2.54 MICROMETERS MINIMUM NICKEL.

##### 3. PART PERFORMS TO MOLEX PRODUCT SPECIFICATION PS-71425-9999.

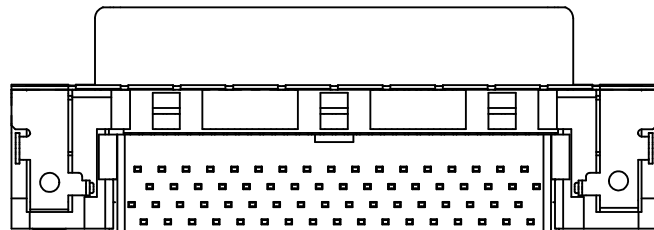
##### 4. PACKAGE PER PK-71430-0101.

##### 5. APPLICABLE STANDARDS: EIA-3652 AND SFF-8441.

##### 6. DATE CODE: YR/WK PER EIA-476-A.

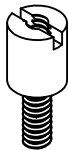
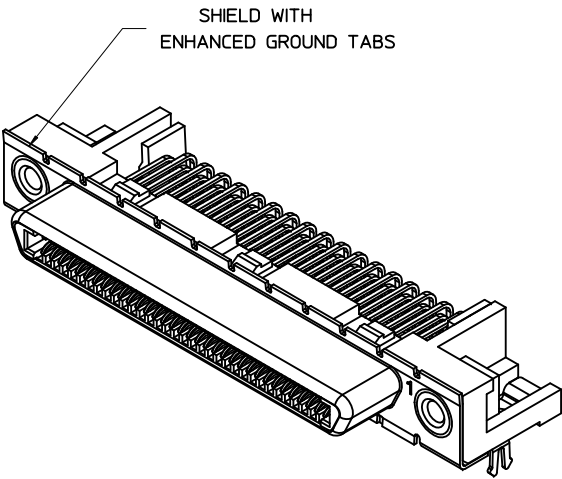
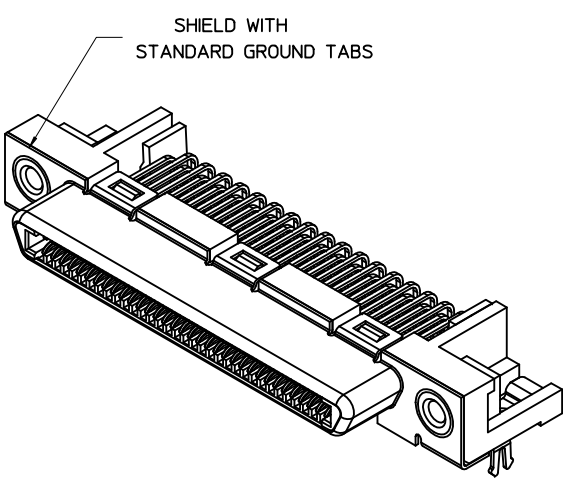
##### 7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002. SEE SIDE VIEW FOR SURFACE CLASSIFICATIONS.

##### 8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS: 0.34 Nm MAXIMUM.



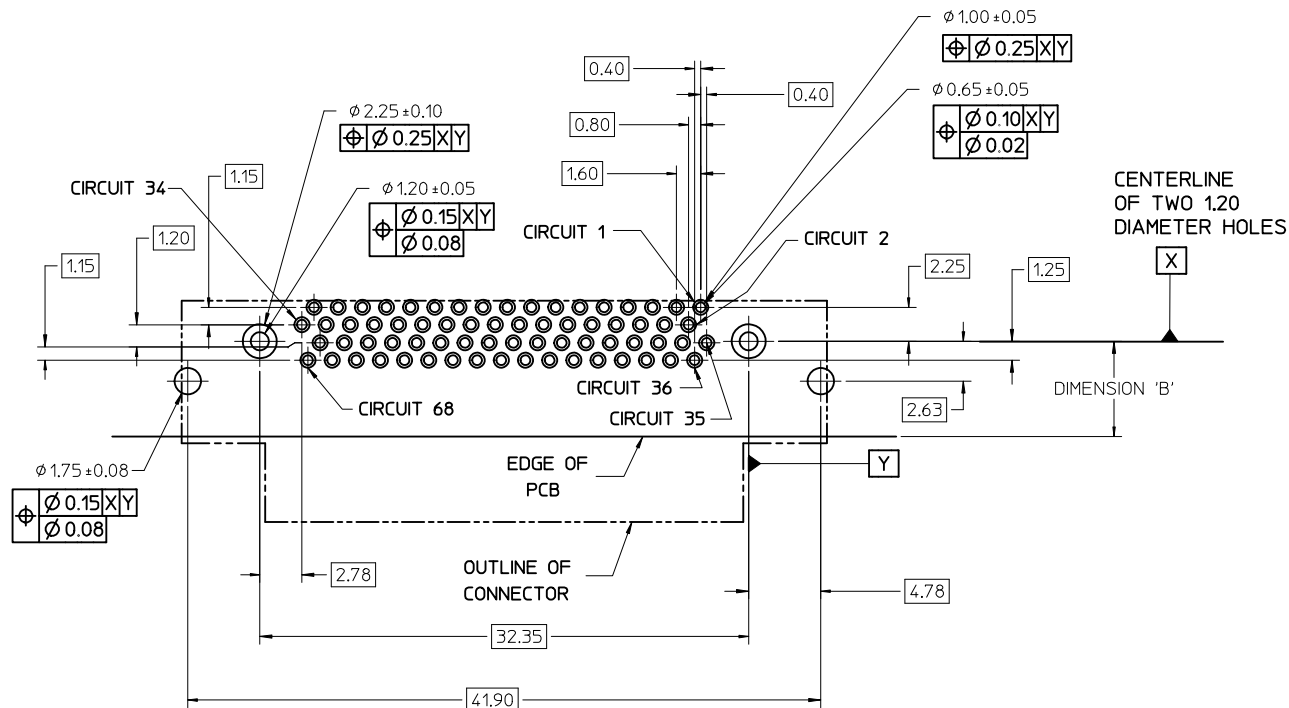
|                                                                                                                                     |  |                                                                                                                               |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     |          |       |      |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
|-------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|-------|------|----------|------|------|----------|------|------|----------|-------|------|---------|-------|------|---------------|--|--|----------------------------|--|--------------|------------------------|---------------------------|--|
| CHANGE PACKAGING<br>EC NO: UCP2010-1970<br>DRAWN BY: DRWN:MS BARRA 2010/02/11<br>CHKD:BBARKER 11/15/2002<br>APPR:SMILLER 2010/04/20 |  |                                                                                                                               | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>3 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>2 PLACES</td><td>±0.13</td><td>±---</td></tr><tr><td>1 PLACE</td><td>±0.25</td><td>±---</td></tr><tr><td colspan="3">ANGULAR ±1/2°</td></tr></table> |                     |          | mm    | INCH | 4 PLACES | ±--- | ±--- | 3 PLACES | ±--- | ±--- | 2 PLACES | ±0.13 | ±--- | 1 PLACE | ±0.25 | ±--- | ANGULAR ±1/2° |  |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>4:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |
|                                                                                                                                     |  |                                                                                                                               |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     |          | mm    | INCH |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
|                                                                                                                                     |  |                                                                                                                               |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     | 4 PLACES | ±---  | ±--- |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
|                                                                                                                                     |  |                                                                                                                               |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     | 3 PLACES | ±---  | ±--- |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
|                                                                                                                                     |  |                                                                                                                               |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     | 2 PLACES | ±0.13 | ±--- |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
|                                                                                                                                     |  |                                                                                                                               |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     | 1 PLACE  | ±0.25 | ±--- |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
| ANGULAR ±1/2°                                                                                                                       |  |                                                                                                                               |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     |          |       |      |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
| DRAWN BY<br>KSTILES                                                                                                                 |  | DATE<br>11/14/2002                                                                                                            |                    | TITLE<br>VHDCI RIGHT ANGLE ASSEMBLY                             |                                                                                                                                                                                                                                                                                                                                                                |                     |          |       |      |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
| CHECKED BY<br>KSTILES                                                                                                               |  | DATE<br>11/15/2002                                                                                                            |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     |          |       |      |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
| APPROVED BY<br>MBNAKIS                                                                                                              |  | DATE<br>11/22/2002                                                                                                            |                    | molex MOLEX INCORPORATED                                        |                                                                                                                                                                                                                                                                                                                                                                | SHEET NO.<br>1 OF 3 |          |       |      |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
| MATERIAL NO.                                                                                                                        |  | DOCUMENT NO.                                                                                                                  |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     |          |       |      |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                          |  | SEE TABLE                                                                                                                     |                    | SD-71430-015                                                    |                                                                                                                                                                                                                                                                                                                                                                |                     |          |       |      |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |
| SIZE                                                                                                                                |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                |                     |          |       |      |          |      |      |          |      |      |          |       |      |         |       |      |               |  |  |                            |  |              |                        |                           |  |

| PCB THICKNESS | PART NUMBER | TAIL LENGTH 'T' | ENHANCED GROUND TABS | SCREWLOCKS    | TAIL LOC. 'A' | HOLE LOCATION 'B' |
|---------------|-------------|-----------------|----------------------|---------------|---------------|-------------------|
| 1.60          | 71430-0101  | 2.08            | NO                   | NONE          | 5.50          | 6.50 MAXIMUM      |
| 1.60          | 71430-0007  | 2.08            | NO                   | LOOSE IN BAGS |               |                   |
| 1.60          | 71430-0005  | 2.08            | YES                  | NONE          |               |                   |
| 1.60          | 71430-0008  | 2.08            | YES                  | LOOSE IN BAGS |               |                   |
| 2.36          | 71430-0268  | 2.71            | NO                   | NONE          |               |                   |
| 2.36          | 71430-0006  | 2.71            | NO                   | INSTALLED     |               |                   |
| 2.36          | 71430-0004  | 2.71            | YES                  | NONE          |               |                   |
| 2.36          | 71430-0009  | 2.71            | YES                  | INSTALLED     |               |                   |
| 2.36          | 71430-0016  | 2.71            | NO                   | LOOSE IN BAGS |               |                   |
| 2.36          | 71430-0019  | 2.71            | YES                  | LOOSE IN BAGS |               |                   |
| 2.36          | 71430-0012  | 2.71            | YES                  | NONE          | 5.30          | 6.30 MAXIMUM      |
| 1.60          | 71430-0013  | 2.08            | YES                  | NONE          |               |                   |



OPTIONAL SCREWLOCK  
PART NUMBER 71433-0002

|                                                                                                                              |                                                                 |                                                                                                                               |                                       |        |                            |                     |                    |                                     |                        |              |  |           |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------|----------------------------|---------------------|--------------------|-------------------------------------|------------------------|--------------|--|-----------|
| SEE SHEET 1<br>EC NO: UCP2010-1970<br>2010/02/11<br>DRWN:MS BARA<br>11/15/2002<br>CHKD:BBARKER<br>APPR:SMILLER<br>2010/04/20 | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | DESCRIPTION                                                                                                                   | GENERAL TOLERANCES (UNLESS SPECIFIED) |        | DIMENSION STYLE<br>MM ONLY |                     | SCALE<br>4:1       | DESIGN UNITS<br>METRIC              | THIRD ANGLE PROJECTION |              |  |           |
|                                                                                                                              |                                                                 |                                                                                                                               |                                       | mm     | INCH                       | DRAWN BY<br>KSTILES | DATE<br>11/14/2002 | TITLE<br>VHDCI RIGHT ANGLE ASSEMBLY |                        |              |  |           |
|                                                                                                                              |                                                                 |                                                                                                                               | 4 PLACES                              | ± ---  | ± ---                      | CHECKED BY          | DATE               |                                     |                        |              |  |           |
|                                                                                                                              |                                                                 |                                                                                                                               | 3 PLACES                              | ± ---  | ± ---                      | KSTILES             | 11/15/2002         |                                     |                        |              |  |           |
|                                                                                                                              |                                                                 |                                                                                                                               | 2 PLACES                              | ± 0.13 | ± ---                      | APPROVED BY         | DATE               | MOLEX MOLEX INCORPORATED            |                        |              |  |           |
|                                                                                                                              |                                                                 |                                                                                                                               | 1 PLACE                               | ± 0.25 | ± ---                      | MBNAKIS             | 11/22/2002         |                                     |                        |              |  |           |
|                                                                                                                              |                                                                 |                                                                                                                               |                                       |        |                            | ANGULAR ±1/2°       |                    | MATERIAL NO.                        |                        | DOCUMENT NO. |  | SHEET NO. |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                   |                                                                 |                                                                                                                               | SEE TABLE                             |        | SD-71430-015               |                     | 2 OF 3             |                                     |                        |              |  |           |
| REV                                                                                                                          | SIZE<br>C                                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |        |                            |                     |                    |                                     |                        |              |  |           |



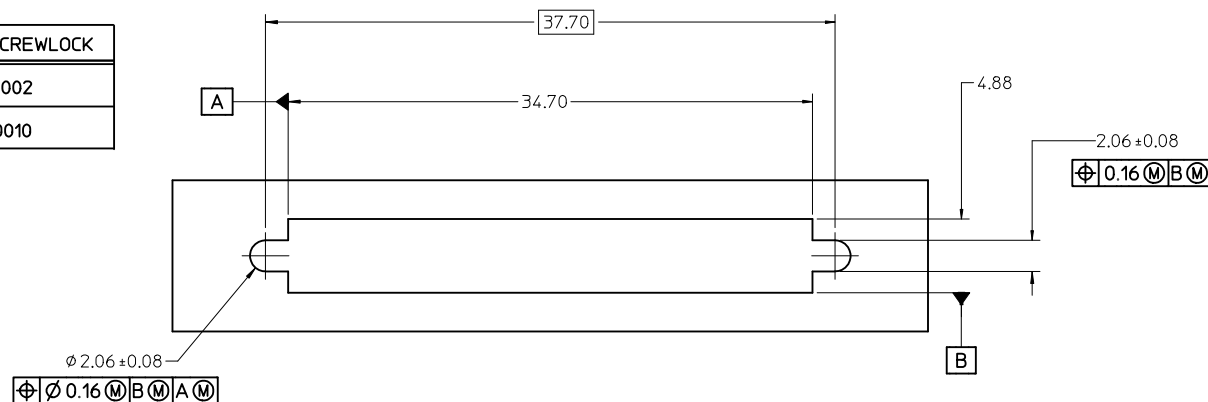
NOTES:

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            |



|                                                                                                                      |             |                                      |                                       |  |  |                                                                                                                               |                    |                                     |                        |                                                                                                              |           |  |
|----------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------|---------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------|-----------|--|
| SEE SHEET 1<br>EC NO: UCP2010-1970<br>DRWN:MS BARRA 2010/02/11<br>CHKD:BBARKER 11/15/2002<br>APPR:SMILLER 2010/04/20 | DESCRIPTION | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |  |  | DIMENSION STYLE<br>MM ONLY                                                                                                    |                    | SCALE<br>4:1                        | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |           |  |
|                                                                                                                      |             |                                      |                                       |  |  | DRAWN BY<br>KSTILES                                                                                                           | DATE<br>11/14/2002 | TITLE<br>VHDCI RIGHT ANGLE ASSEMBLY |                        |                                                                                                              |           |  |
|                                                                                                                      |             |                                      |                                       |  |  | CHECKED BY                                                                                                                    | DATE               | MOLEX INCORPORATED                  |                        |                                                                                                              |           |  |
|                                                                                                                      |             |                                      |                                       |  |  | KSTILES                                                                                                                       | 11/15/2002         |                                     |                        |                                                                                                              |           |  |
|                                                                                                                      |             |                                      |                                       |  |  | APPROVED BY                                                                                                                   | DATE               | SD-71430-015                        |                        |                                                                                                              |           |  |
|                                                                                                                      |             |                                      |                                       |  |  | MBNAKIS                                                                                                                       | 11/22/2002         |                                     |                        |                                                                                                              |           |  |
|                                                                                                                      |             |                                      |                                       |  |  | MATERIAL NO.                                                                                                                  |                    | DOCUMENT NO.                        |                        |                                                                                                              | SHEET NO. |  |
|                                                                                                                      |             |                                      |                                       |  |  | SEE TABLE                                                                                                                     |                    | SD-71430-015                        |                        |                                                                                                              | 3 OF 3    |  |
|                                                                                                                      |             |                                      |                                       |  |  | 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](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.