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**Part Number:** [0353130360](#)  
**Status:** **Active**  
**Description:** 3.96mm (.156") Pitch Header, Vertical, Shrouded, with Positive Lock, 3 Circuits, PA Polyamide (Nylon) 6/6, Glass-filled, Natural, Lead-free

**Documents:**

|                                               |                                                          |
|-----------------------------------------------|----------------------------------------------------------|
| <a href="#">3D Model</a>                      | <a href="#">Product Specification PS-35156-004 (PDF)</a> |
| <a href="#">Packaging Specification (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |
| <a href="#">Drawing (PDF)</a>                 |                                                          |

**Agency Certification**

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

**General**

|                |                       |
|----------------|-----------------------|
| Product Family | PCB Headers           |
| Series         | <a href="#">35313</a> |
| Application    | Wire-to-Board         |
| Product Name   | N/A                   |

**Physical**

|                                |          |
|--------------------------------|----------|
| Breakaway                      | No       |
| Circuits (Loaded)              | 3        |
| Circuits (maximum)             | 3        |
| Color - Resin                  | Natural  |
| Durability (mating cycles max) | 30       |
| First Mate / Last Break        | No       |
| Flammability                   | 94V-0    |
| Glow-Wire Compliant            | No       |
| Guide to Mating Part           | No       |
| Keying to Mating Part          | None     |
| Lock to Mating Part            | Yes      |
| Material - Plating Mating      | Tin      |
| Material - Plating Termination | Tin      |
| Material - Resin               | Nylon    |
| Number of Rows                 | 1        |
| Orientation                    | Vertical |
| PC Tail Length (in)            | 0.134 In |
| PC Tail Length (mm)            | 3.40 mm  |
| PCB Locator                    | No       |
| PCB Retention                  | None     |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.60 mm  |
| Packaging Type                 | Bag      |
| Pitch - Mating Interface (in)  | 0.156 In |
| Pitch - Mating Interface (mm)  | 3.96 mm  |
| Pitch - Term. Interface (in)   | 0.156 In |
| Pitch - Term. Interface (mm)   | 3.96 mm  |
| Plating min: Mating (µin)      | 200      |
| Plating min: Mating (µm)       | 5        |
| Plating min: Termination (µin) | 200      |
| Plating min: Termination (µm)  | 5        |
| Polarized to Mating Part       | Yes      |
| Polarized to PCB               | No       |
| Shrouded                       | Partial  |
| Stackable                      | No       |

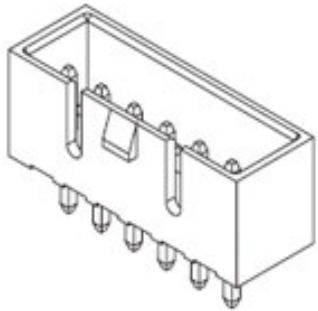


image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Halogen-Free**

**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**

[35313Series](#)

**Mates With**

[35156 Wire-to-Board Housing](#)

Temperature Range - Operating

Termination Interface: Style

-40°C to +105°C

Through Hole

**Electrical**

Current - Maximum per Contact

Voltage - Maximum

7A

250V

**Material Info**

**Reference - Drawing Numbers**

Product Specification

Sales Drawing

PS-35156-004

SD-35313-001

This document was generated on 04/15/2010

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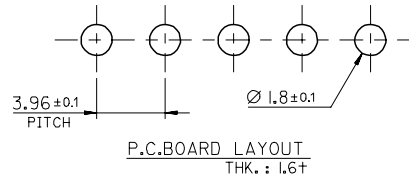
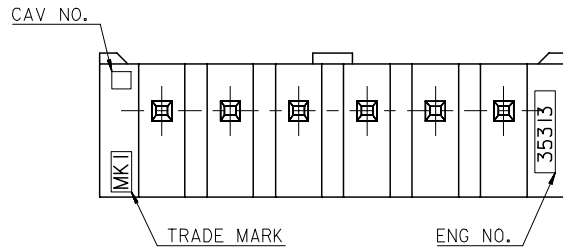
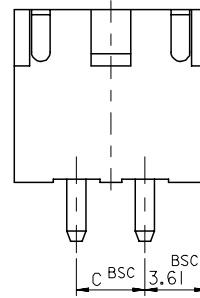
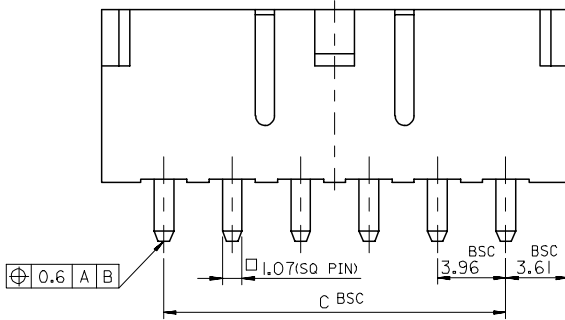
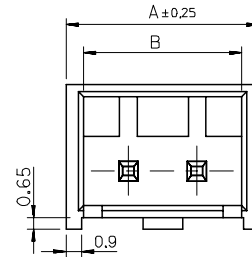
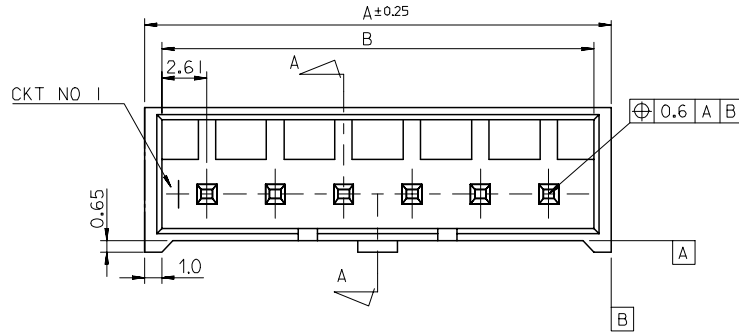
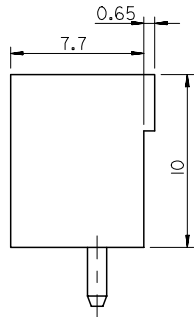
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## NOTE

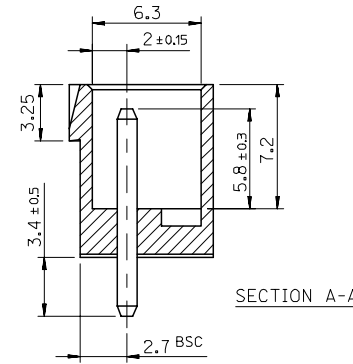
1. MATERIAL : WAFER : NYLON66, GLASS FILLED 20%  
PIN : BRASS, TIN PLATED

## 2. LEGEND

35313-\*\*-\*\* 6 \*

COLOR : 0 - NATURAL  
1 - BLACK  
2 - RED  
3 - YELLOW  
4 - BLUE  
CKT NO.(02,03,04...)

3. THIS PRODUCT SHALL BE COMPLIED WITH  
RoHS COMPATIBLE(LEAD FREE SOLDERABILITY)



|       |       |       |            |         |
|-------|-------|-------|------------|---------|
| 43.56 | 48.78 | 50.78 | 35313-126* | 12      |
| 39.6  | 44.82 | 46.82 | -116*      | 11      |
| 35.64 | 40.86 | 42.86 | -106*      | 10      |
| 31.68 | 36.9  | 38.9  | -096*      | 9       |
| 27.72 | 32.94 | 34.94 | -086*      | 8       |
| 23.76 | 28.98 | 30.98 | -076*      | 7       |
| 19.8  | 25.02 | 27.02 | -066*      | 6       |
| 15.84 | 21.06 | 23.06 | -056*      | 5       |
| 11.88 | 17.1  | 19.1  | -046*      | 4       |
| 7.92  | 13.14 | 15.14 | -036*      | 3       |
| 3.96  | 9.18  | 11.18 | 35313-026* | 2       |
| C     | B     | A     | ENG NO.    | CKT NO. |

|         |                                                                                  |             |                                                  |                                                                                                                  |                                   |                          |                                                                                      |                                                                                                                 |                                                                                                                  |                                                                                                                                   |                         |           |
|---------|----------------------------------------------------------------------------------|-------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|
| REVISED | EC NO. KOR2006-0105<br>DRWN: K.S.KIM 06/03/23<br>CHK: K.S.KIM<br>APPR: Y.Soo.KIM | DESCRIPTION | QUALITY SYMBOLS<br><br>MAJOR =<br><br>CRITICAL = | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)                                                                        |                                   | SCALE<br>3.5:1           | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH |  THIRD ANGLE<br>PROJECTION | <input type="checkbox"/> mm<br>INCH <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm<br>ONLY | REVISE ON<br>CAD ONLY                                                                                                             |                         |           |
|         |                                                                                  |             |                                                  | <input type="checkbox"/> mm<br>INCH <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm<br>ONLY | DRAWN BY & DATE<br>K.S.KIM 040513 |                          | TITLE:<br><br>3.96 PITCH W/B CONN. WAFER ASS'Y<br>(WITH LOCK)                        |                                                                                                                 |                                                                                                                  |                                                                                                                                   |                         |           |
|         |                                                                                  |             |                                                  | CHECKED BY & DATE<br>Y.Soo.KIM                                                                                   |                                   |                          |                                                                                      |                                                                                                                 |                                                                                                                  |                                                                                                                                   |                         |           |
|         |                                                                                  |             |                                                  | APPROVED BY & DATE<br>C.W.LEE                                                                                    |                                   | MOLEX MOLEX INCORPORATED |                                                                                      |                                                                                                                 |                                                                                                                  |                                                                                                                                   |                         |           |
|         |                                                                                  |             |                                                  | CAD FILENAME<br><br>_____                                                                                        |                                   |                          |                                                                                      |                                                                                                                 | MATERIAL NO.<br>SEE CHART                                                                                        | DRAWING NO.<br><br>SD-35313-001                                                                                                   | SHEET NO.<br><br>1 OF 1 |           |
| C       | REV                                                                              |             |                                                  | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS                                                          |                                   |                          |                                                                                      |                                                                                                                 |                                                                                                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                         | SIZE<br>B |

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MX-A3