

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0353010250

Status:

Active

Description:

2.50mm (.098") Pitch SPOX™ Wire-to-Board Header, Vertical, Shrouded, Tube  
Packaged Version of 5267, 2 Circuits, Tin (Sn) Plating, with Swaged PC Tails

Documents:

3D Model

Drawing (PDF)

Product Specification PS-35301-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

|     |          |
|-----|----------|
| CSA | LR 19980 |
| UL  | E29179   |

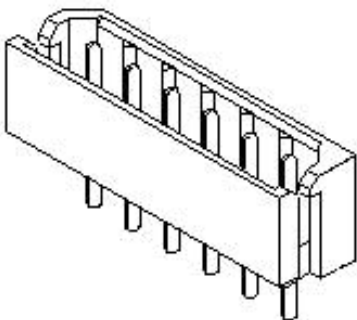
General

|                |               |
|----------------|---------------|
| Product Family | PCB Headers   |
| Series         | 35301         |
| Application    | Wire-to-Board |
| Product Name   | SPOX™         |

Physical

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 2               |
| Circuits (maximum)             | 2               |
| 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        |
| PCB Locator                    | No              |
| PCB Retention                  | Yes             |
| PCB Thickness Recommended (in) | 0.062 In        |
| PCB Thickness Recommended (mm) | 1.60 mm         |
| Packaging Type                 | Tube            |
| Pitch - Mating Interface (in)  | 0.098 In        |
| Pitch - Mating Interface (mm)  | 2.50 mm         |
| Plating min: Mating (µin)      | 160             |
| Plating min: Mating (µm)       | 4               |
| Plating min: Termination (µin) | 160             |
| Plating min: Termination (µm)  | 4               |
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | No              |
| Shrouded                       | Partial         |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

Electrical



Series

image - Reference only

EU RoHS

ELV and RoHS  
Compliant  
REACH SVHC  
Not Reviewed  
Halogen-Free  
Status

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  
35301Series

Mates With  
5264 SPOX™ Wire-to-Board Crimp  
Housing. 42219 SPOX™ IDT Receptacle  
Housing

Current - Maximum per Contact3A

Voltage - Maximum250V

**Material Info**

**Reference - Drawing Numbers**

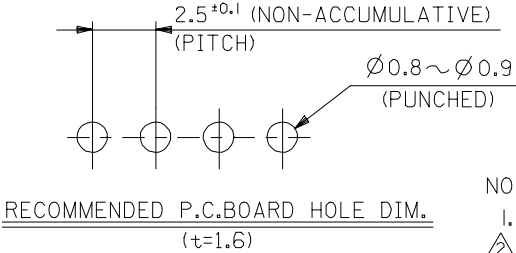
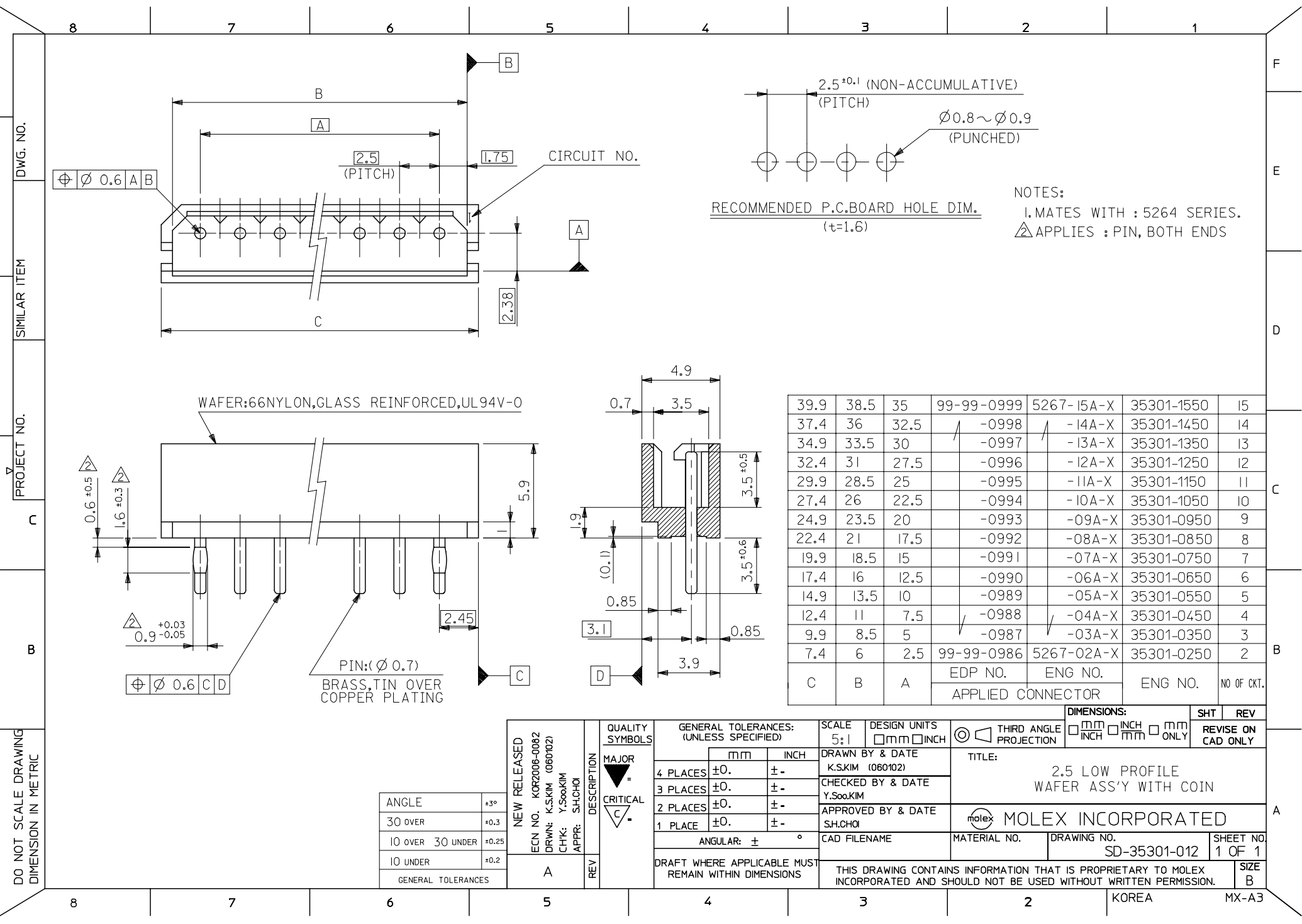
Product SpecificationPS-35301-001

Sales DrawingSD-35301-001, SD-35301-012

This document was generated on 04/13/2010

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NOTES:  
I. MATES WITH : 5264 SERIES.  
△ APPLIES : PIN, BOTH ENDS

|      |      |      |            |            |            |            |
|------|------|------|------------|------------|------------|------------|
| 39.9 | 38.5 | 35   | 99-99-0999 | 5267-15A-X | 35301-1550 | 15         |
| 37.4 | 36   | 32.5 | -0998      | -14A-X     | 35301-1450 | 14         |
| 34.9 | 33.5 | 30   | -0997      | -13A-X     | 35301-1350 | 13         |
| 32.4 | 31   | 27.5 | -0996      | -12A-X     | 35301-1250 | 12         |
| 29.9 | 28.5 | 25   | -0995      | -11A-X     | 35301-1150 | 11         |
| 27.4 | 26   | 22.5 | -0994      | -10A-X     | 35301-1050 | 10         |
| 24.9 | 23.5 | 20   | -0993      | -09A-X     | 35301-0950 | 9          |
| 22.4 | 21   | 17.5 | -0992      | -08A-X     | 35301-0850 | 8          |
| 19.9 | 18.5 | 15   | -0991      | -07A-X     | 35301-0750 | 7          |
| 17.4 | 16   | 12.5 | -0990      | -06A-X     | 35301-0650 | 6          |
| 14.9 | 13.5 | 10   | -0989      | -05A-X     | 35301-0550 | 5          |
| 12.4 | 11   | 7.5  | -0988      | -04A-X     | 35301-0450 | 4          |
| 9.9  | 8.5  | 5    | -0987      | -03A-X     | 35301-0350 | 3          |
| 7.4  | 6    | 2.5  | 99-99-0986 | 5267-02A-X | 35301-0250 | 2          |
| C    | B    | A    | EDP NO.    | ENG NO.    | ENG NO.    | NO OF CKT. |

|                    |       |
|--------------------|-------|
| ANGLE              | ±3°   |
| 30 OVER            | ±0.3  |
| 10 OVER 30 UNDER   | ±0.25 |
| 10 UNDER           | ±0.2  |
| GENERAL TOLERANCES |       |

NEW RELEASED  
ECN NO. KOR2008-0082  
DRWN: K.S.KIM (060102)  
CHK: Y.SooKIM  
APPR: SH.CHOI

QUALITY SYMBOLS  
MAJOR  
CRITICAL

| GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)               |     |      |
|---------------------------------------------------------|-----|------|
|                                                         | mm  | INCH |
| 4 PLACES                                                | ±0. | ±.   |
| 3 PLACES                                                | ±0. | ±.   |
| 2 PLACES                                                | ±0. | ±.   |
| 1 PLACE                                                 | ±0. | ±.   |
| ANGULAR: ± °                                            |     |      |
| DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |     |      |

SCALE  
5:1

DESIGN UNITS  
☐ mm ☐ INCH

DRAWN BY & DATE  
K.S.KIM (060102)

CHECKED BY & DATE  
Y.SooKIM

APPROVED BY & DATE  
SH.CHOI

CAD FILENAME

THIRD ANGLE  
PROJECTION

TITLE:  
2.5 LOW PROFILE  
WAFER ASS'Y WITH COIN

MOLEX INCORPORATED

MATERIAL NO.

DRAWING NO.  
SD-35301-012

SHEET NO.  
1 OF 1

SIZE  
B

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

DO NOT SCALE DRAWING  
DIMENSION IN METRIC

DWG. NO.

SIMILAR ITEM

PROJECT NO.

C

B

F

E

D

C

B

A