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## Product Change Notification(PCN)

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Issue Date: 30.03.2012  
Modification / Revision Date: 30.03.2012

### Pin Header ph2.54mm, 180°, 2-row (2010 catalogue page 250)

**Change Notification # :** PCN 20120330-0-AWL254-DG-Zxxx

**Description of changes:** CHANGE OF MANUFACTURING LOCATION

1. Amendment of the specification
2. TOLERANCE : New : x.xxx +/-0.10 // x.xx +/-020 // x.x +/-0.30  
Angle +/-5°
3. Tolerance of pitch : New : 2.54+/-0.20 mm
4. Tolerance of pitch row to row : New : 2.54+/-0.20 mm
5. Tolerance of overall length insulator :  
New : 2.54xNo.of positions +/-0.40 mm
6. Tolerance of length first pin to last pin :  
New : 2.54xNo.of contact-2.54+/-0.15 mm
7. Tolerance + Dimension of width of insulator : New : 5.00+/-0.20 mm
8. Tolerance of height of insulator : New : 2.50+/-0.2 mm
9. Tolerance of mating end : New : B+/-0.20 mm
10. Tolerance of solder end : New : A+/-0.20 mm
11. Withstand voltage : New : 1000V AC/minute
12. Catalogue 2010 shows different specification
13. Draw.-No. ASS 3347 COrev02 substitutes ASS 3347 COrev01

**Date of change and Implementation:** Change: KW 12/12 [Datecode of Production]  
Implementation: KW 12/12

**Key Characteristics of Change:** Dimensions and Tolerances

**Products Affected:** AWL254-DG-ZxxD  
AWL254-DG-ZxxA

**Reason for Change:** Change of manufacturing location

**Response :** No response to this notification is required.

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**Issue date:** 30.03.2012

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**Reference Documents / Attachments:**

Document: Drawing

| ASSMANN WSW P/N | Drawing Number    |
|-----------------|-------------------|
| AWL254-DG-ZxxD  | ASS 3347B COrev02 |
| AWL254-DG-ZxxA  | ASS 3347B COrev02 |
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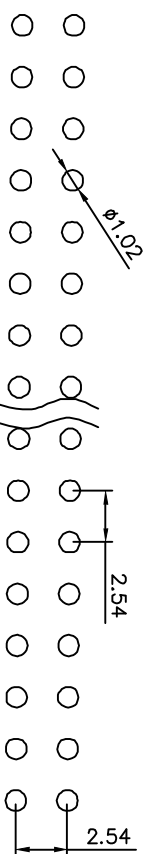
As attached

**PCN Revision History:**

Date of Revision: 30.03.2012

Revision Number: 00

|  | 1  | 2          | 3     | 4 | 5                              | 6            | 7                         |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
|--|--|------------|-------|---|--------------------------------|--------------|---------------------------|-------|------|-------|------------|------|---|-----------------|------------|-----------|---|--|--|------|------|------------|------|------------|---------|---------------------|--|--------------------|--|--|--|-----|-------|--|--|--|--|--|--|------|-------|--|--|--|--|--|--|-------|-------|--|--|--|--|--|--|-----|-----|--|--|--|--|--|--|-------|-----|--|--|--|--|--|--|--|
| A  |  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| B  |  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| C  |  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| D  |  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| E  |  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| F  |  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| G  | <p><b>ROHS compliant</b><br/>Unit:mm</p> <table border="1"> <thead> <tr> <th>Scale</th> <th>Free</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>TOLERANCE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>X.</td> <td>±0.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>X.X</td> <td>±0.30</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>X.XX</td> <td>±0.20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>X.XXX</td> <td>±0.10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>DIM</td> <td>TOL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Angle</td> <td>±5°</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |            |       |   |                                |              |                           | Scale | Free |       |            |      |   |                 |            | TOLERANCE |   |  |  |      |      |            |      | X.         | ±0.50   |                     |  |                    |  |  |  | X.X | ±0.30 |  |  |  |  |  |  | X.XX | ±0.20 |  |  |  |  |  |  | X.XXX | ±0.10 |  |  |  |  |  |  | DIM | TOL |  |  |  |  |  |  | Angle | ±5° |  |  |  |  |  |  |  |
| Scale  | Free   |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| TOLERANCE  |  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| X.   | ±0.50  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| X.X  | ±0.30  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| X.XX   | ±0.20  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| X.XXX  | ±0.10  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| DIM  | TOL  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| Angle  | ±5°  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| H  | 1  | 2          | 3     | 4 | 5                              | 6            | 7                         |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>Id.</th> <th>Modification</th> <th>Date</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>①</td> <td>Drawn</td> <td>18.12.2009</td> <td>Dean</td> </tr> <tr> <td>②</td> <td>Change of Plant</td> <td>30.03.2012</td> <td>Lucas</td> </tr> </tbody> </table> |  |            |       |   | Id.                            | Modification | Date                      | Name  | ①    | Drawn | 18.12.2009 | Dean | ② | Change of Plant | 30.03.2012 | Lucas     | <table border="1"> <thead> <tr> <th>Date</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>18.12.2009</td> <td>Dean</td> </tr> <tr> <td>30.03.2012</td> <td>Heilwig</td> </tr> </tbody> </table> |  |  | Date | Name | 18.12.2009 | Dean | 30.03.2012 | Heilwig | <p>Customer-No.</p> |  | <p>Drawing-No.</p> |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| Id.  | Modification   | Date       | Name  |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| ①  | Drawn  | 18.12.2009 | Dean  |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| ②  | Change of Plant  | 30.03.2012 | Lucas |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| Date   | Name   |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| 18.12.2009   | Dean   |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| 30.03.2012   | Heilwig  |            |       |   |                                |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| <p>ASSMANN WSW-No. AWL254-DG-ZxxA<br/>AWL254-DG-ZxxD</p>   |  |            |       |   | <p>ASSMANN WSW/ components</p> |              | <p>ASS 3347B CO rev02</p> |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |
| <p>Replace</p>   |  |            |       |   | <p>Sheet</p>                   |              |                           |       |      |       |            |      |   |                 |            |           |   |  |  |      |      |            |      |            |         |                     |  |                    |  |  |  |     |       |  |  |  |  |  |  |      |       |  |  |  |  |  |  |       |       |  |  |  |  |  |  |     |     |  |  |  |  |  |  |       |     |  |  |  |  |  |  |  |



PCB Layout

NOTES:

- MATERIAL**  
 1. Insulator Material: PBT+30%GF(UL94V-0).Black  
 2. Contact Material : Brass  
 3. Contact Plating : Tin Over Ni

**ELECTRICAL**

1. Current Rating : 3.0AMP  
 2. Withstand Voltage : 1000V AC/DC  
 3. Contact Resistance : 20mΩ max  
 4. Insulation Resistance : 1000MΩ min  
**ENVIRONMENTAL**  
 1. Operation Temperature: -40°C to +105°C  
 2. Soldering Temperature: +220°C max  
 3. Mechanical life cycle: min.200  
 Packing : PE Bag

| ITEM | Dimension |      |
|------|-----------|------|
|      | A         | B    |
| D    | 3.00      | 6.00 |
| A    | 3.00      | 7.00 |