

Male

Product Specification

Material

⑧ Insulator :Glass-Filled Thermoplastic PBT,UL94V-0 rated ,Black
 ⑧ Contact : Copper alloy, Plating: refer to table1
 Shell : Steel,100u" Tin Over 50u" min Copper
 Clinch Nut: Brass, 100u" min Nickel Plated.
 Boardlock :Brass, 100u" min Nickel Plated.
 Screwlock :Brass, 100u" min Nickel Plated.

Electrical

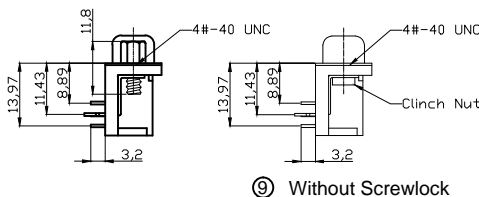
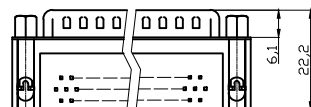
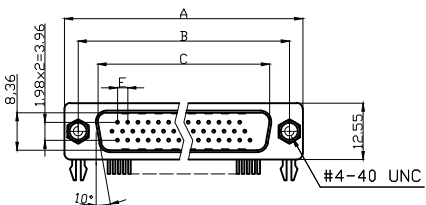
Contact Resistance :20 milliohms Max at 1 AMP DC.
 Insulation Resistance :1000 magohms at 500 VDC
 Dielectric Withstanding Voltage : 1000 VAC/rms 60Hz for 1 minute
 Current Rating :3 AMP
 Volatge Rating :250 VAC/rms 60Hz
 ⑧ Operating Temperature: -55°C ~ +105°C

⑧ Order Code:

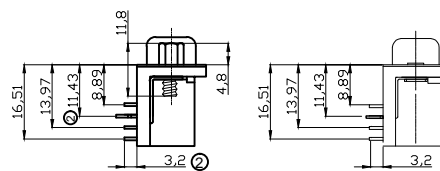
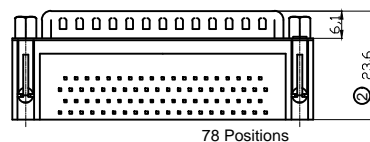
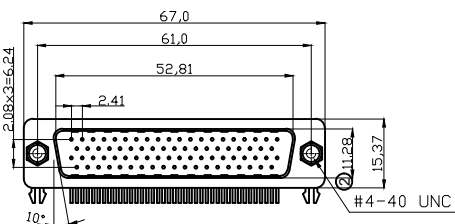
A-HDx xx A-KG/x
 Contact style:
 F - Female
 S - Male
 No. of Contacts
 15 / 26 / 44 / 62 / 78
 Standard: Quality class III

⑨ Table 1:

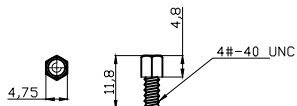
| | |
|-----|--|
| T1 | Full Gold flash without Screwlock UNC, with Clinch Nut |
| TS | Selective Gold flash/Tin with Screwlock UNC,with Clinch Nut |
| T3 | Full Gold flash with Screwlock UNC,with Clinch Nut |
| T3S | Selective Gold flash/Tin without Screwlock UNC,with Clinch Nut |
| T5 | Selective Gold 30u"/Tin with Screwlock UNC,with Clinch Nut |
| T5S | Selective Gold 30u"/Tin without Screwlock UNC,with Clinch Nut |
| T7 | Selective Gold 15u"/Tin with Screwlock UNC,with Clinch Nut |
| T7S | Selective Gold15u"/Tin without Screwlock UNC,with Clinch Nut |



⑨ Without Screwlock



⑨ Without Screwlock



#4-40 unc screwlock installed

Dimensions

| Positions | A | B | C | E | G | H |
|-----------|-------|-------|-------|------|-------|------|
| 15 | 30.81 | 24.99 | 16.92 | 2.29 | 1.145 | 7.04 |
| 26 | 39.20 | 33.30 | 25.25 | 2.29 | 1.145 | 6.88 |
| 44 | 53.05 | 47.04 | 38.96 | 2.29 | 1.145 | 6.88 |
| 62 | 69.40 | 63.50 | 55.42 | 2.41 | 1.205 | 7.00 |

RoHS compliant
 Unit: mm

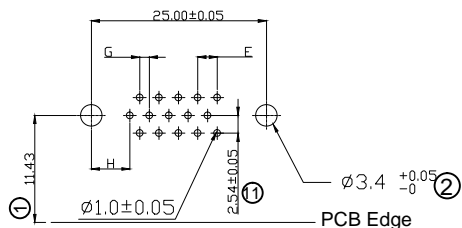
| Scale | Free | ① | Update row pitch of PCB layout | 20.08.2018 | Xavier | | Date | Name | Customer-No. |
|-----------|-------|-----|--------------------------------|------------|--------|----------|------------|--------|---|
| TOLERANCE | | ⑩ | Add the plating 15u"Au | 06.08.2018 | Winnie | Drawn | 15.08.2012 | Lucas | ASSMANN WSW-No. A-HDx xx A-KG/x |
| X. | ±0.38 | ⑨ | Update | 26.06.2018 | Xavier | Approved | 06.08.2018 | Winnie | |
| X.X | ±0.25 | ⑧ | Update | 31.05.2018 | Segal | | | | |
| X.XX | ±0.13 | ⑦ | Update | 26.07.2016 | Jesse | | | | Drawing-No. ASS 4897 CO |
| DIM | TOL | ⑥ | Update the drawing | 26.07.2016 | Jesse | | | | |
| X.° | ±3° | | | | | | | | Replace |
| X.X° | ±1.0° | | | | | | | | |
| Angle | TOL | Id. | Modification | Date | Name | | | | Sheet 1/5 |



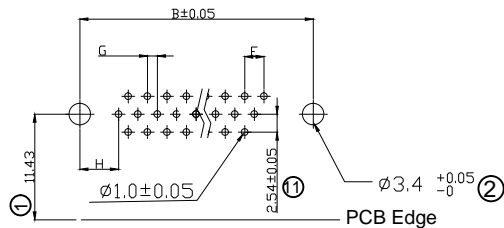
ASS 4897 CO rev11

Male

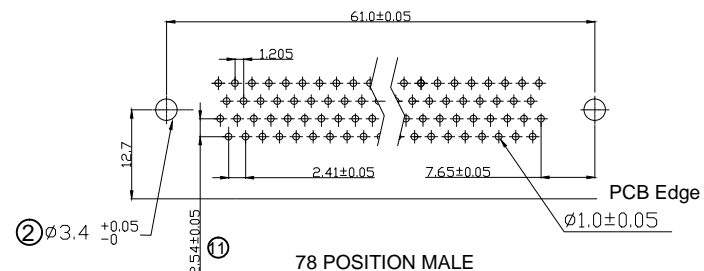
P.C.B LAYOUT PATTERN



15 POSITION MALE

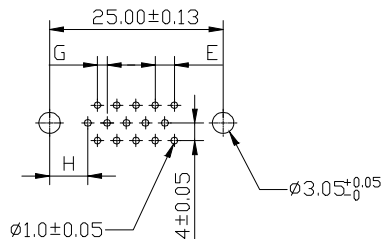


26,44,62 POSITION MALE

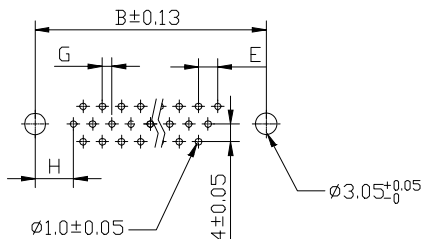


78 POSITION MALE

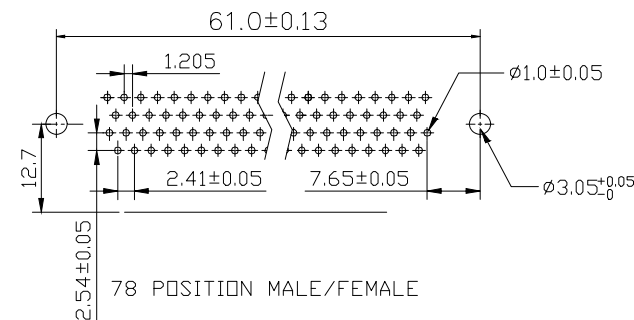
⊙ P.C.B LAYOUT PATTERN for Without Screwlock



15 POSITION MALE



26,44,62 POSITION MALE



78 POSITION MALE/FEMALE

Dimensions

| Positions | A | B | C | E | G | H |
|-----------|-------|-------|-------|------|-------|------|
| 15 | 30.81 | 24.99 | 16.92 | 2.29 | 1.145 | 7.04 |
| 26 | 39.20 | 33.30 | 25.25 | 2.29 | 1.145 | 6.88 |
| 44 | 53.05 | 47.04 | 38.96 | 2.29 | 1.145 | 6.88 |
| 62 | 69.40 | 63.50 | 55.42 | 2.41 | 1.205 | 7.00 |

RoHS compliant
Unit: mm

| Scale | Free | ① | Update row pitch of PCB layout | 20.08.2018 | Xavier | | Date | Name | Customer-No. |
|-----------|-------|-----|--------------------------------|------------|--------|----------------------------------|------------|-------------|---|
| TOLERANCE | | ⑩ | Add the plating 15u"Au | 06.08.2018 | Winnie | Drawn | 15.08.2012 | Lucas | ASSMANN WSW-No. A-HDx xx A-KG/x |
| X. | ±0.38 | ⑨ | Update | 26.06.2018 | Xavier | Approved | 06.08.2018 | Winnie | |
| X.X | ±0.25 | ⑧ | Update | 31.05.2018 | Segal | | | | |
| X.XX | ±0.13 | ⑦ | Update | 26.07.2016 | Jesse | | | | Drawing-No. |
| DIM | TOL | ⑥ | Update the drawing | 26.07.2016 | Jesse | ASSMANN WSW components | | ASS 4897 CO | |
| X.° | ±3° | Id. | Modification | Date | Name | | | Replace | rev11 |
| X.X° | ±1.0° | | | | | | | Sheet | |
| Angle | TOL | | | | | | | 2/5 | |

Female

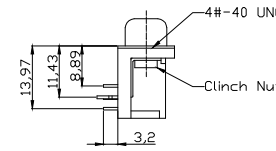
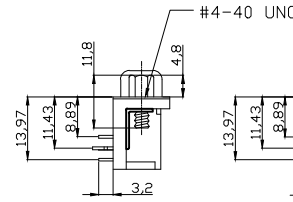
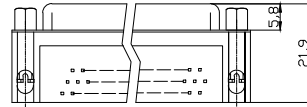
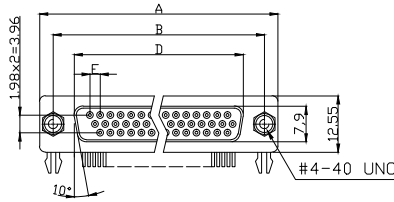
Product Specification

Material

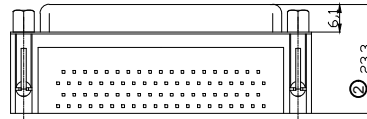
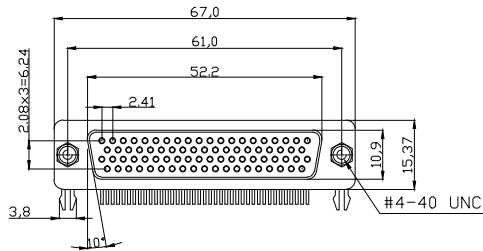
Insulator :Glass-Filled Thermoplastic PBT,UL94V-0 rated ,Black
 ⓐ Contact : Copper alloy, Plating: refer to table1
 Shell : Steel,100u" Tin Over 50u" min Copper
 Clinch Nut: Brass, 100u" min Nickel Plated.
 Boardlock :Brass, 100u" min Nickel Plated.
 Screwlock :Brass, 100u" min Nickel Plated.

Electrical

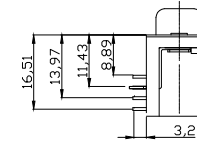
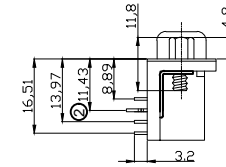
Contact Resistance :20 milliohms Max at 1 AMP DC.
 Insulation Resistance :1000 magohms at 500 VDC
 Dielectric Withstanding Voltage : 1000 VAC/rms 60Hz for 1 minute
 Current Rating :3 AMP
 Volatge Rating :250 VAC/rms 60Hz
 ⓑ Operating Temperature: -55°C ~ +105°C



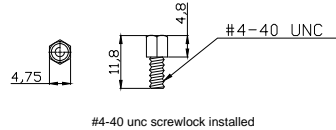
① Without Screwlock



78 Positions



① Without Screwlock




#4-40 unc screwlock installed

Dimensions

| Positions | A | B | D | E | G | H |
|-----------|-------|-------|-------|------|-------|------|
| 15 | 30.81 | 24.99 | 16.33 | 2.29 | 1.145 | 7.04 |
| 26 | 39.20 | 33.30 | 24.70 | 2.29 | 1.145 | 6.88 |
| 44 | 53.05 | 47.04 | 38.40 | 2.29 | 1.145 | 6.88 |
| 62 | 69.40 | 63.50 | 54.80 | 2.41 | 1.205 | 7.00 |

RoHS compliant
Unit: mm

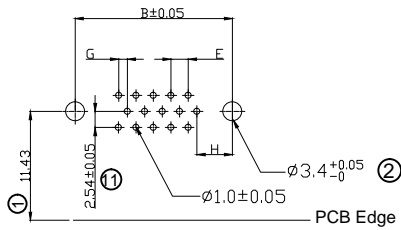
| Scale | Free | ① | Update row pitch of PCB layout | 20.08.2018 | Xavier | | Date | Name | Customer-No. |
|-----------|-------|-----|--------------------------------|------------|--------|---|------------|--------|---|
| TOLERANCE | | ⑩ | Add the plating 15u"Au | 06.08.2018 | Winnie | Drawn | 15.08.2012 | Lucas | ASSMANN WSW-No. A-HDx xx A-KG/x |
| X. | ±0.38 | ⑨ | Update | 26.06.2018 | Xavier | Approved | 06.08.2018 | Winnie | |
| X.X | ±0.25 | ⑧ | Update | 31.05.2018 | Segal | | | | |
| X.XX | ±0.13 | ⑦ | Update | 26.07.2016 | Jesse |  | | | |
| DIM | TOL | ⑥ | Update the drawing | 26.07.2016 | Jesse | | | | |
| X.° | ±3° | Id. | Modification | Date | Name | Replace | Sheet | 3/5 | |
| X.X° | ±1.0° | | | | | | | | |
| Angle | TOL | | | | | | | | |

| | | | |
|-------------|--|-------------|-------|
| Drawing-No. | | ASS 4897 CO | rev11 |
| Replace | | | |

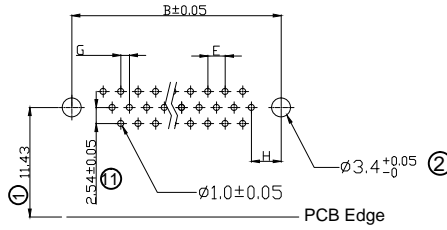


Female

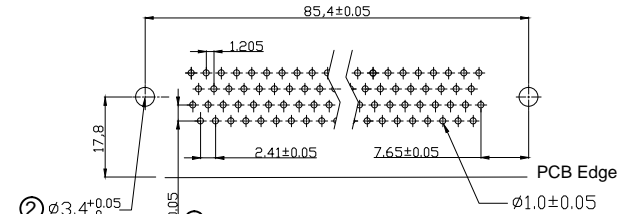
P.C.B LAYOUT PATTERN



15 POSITION FEMALE

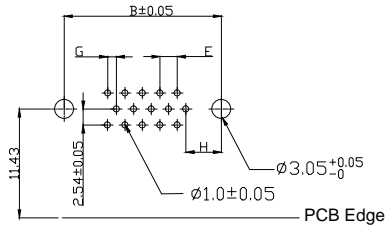


26,44,62 POSITION FEMALE

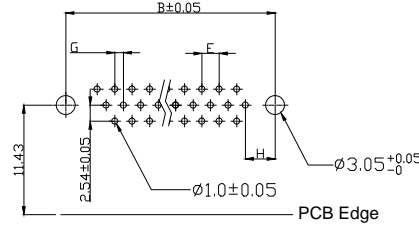


78 POSITION FEMALE

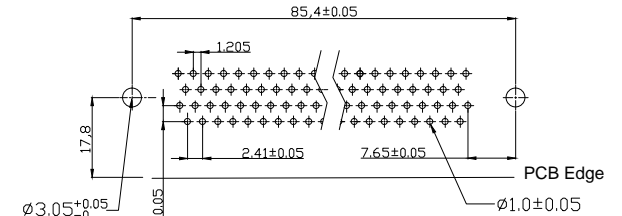
① P.C.B LAYOUT PATTERN for Without Screwlock



15 POSITION FEMALE




26,44,62 POSITION FEMALE



78 POSITION FEMALE

| Dimensions | | | | | | |
|------------|-------|-------|-------|------|-------|------|
| Positions | A | B | D | E | G | H |
| 15 | 30.81 | 24.99 | 16.33 | 2.29 | 1.145 | 7.04 |
| 26 | 39.20 | 33.30 | 24.70 | 2.29 | 1.145 | 6.88 |
| 44 | 53.05 | 47.04 | 38.40 | 2.29 | 1.145 | 6.88 |
| 62 | 69.40 | 63.50 | 54.80 | 2.41 | 1.205 | 7.00 |

RoHS compliant
Unit: mm

| Scale | Free | ① | Update row pitch of PCB layout | 20.08.2018 | Xavier | | Date | Name | Customer-No. |
|-----------|-------|-----|--------------------------------|------------|--------|---|------------|--------|---|
| TOLERANCE | | ⑩ | Add the plating 15u"Au | 06.08.2018 | Winnie | Drawn | 15.08.2012 | Lucas | ASSMANN WSW-No. A-HDx xx A-KG/x |
| X. | ±0.38 | ⑨ | Update | 26.06.2018 | Xavier | Approved | 06.08.2018 | Winnie | |
| X.X | ±0.25 | ⑧ | Update | 31.05.2018 | Segal | | | | |
| X.XX | ±0.13 | ⑦ | Update | 26.07.2016 | Jesse |  | | | Drawing-No. |
| DIM | TOL | ⑥ | Update the drawing | 26.07.2016 | Jesse | | | | |
| X.° | ±3° | | | | | | | | rev11 |
| X.X° | ±1.0° | | | | | | | | Sheet 4/5 |
| Angle | TOL | Id. | Modification | Date | Name | | | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------------------------------|---|------------------------|--------------------------------|---|----------|------------|--------|---|--------------|---|--------------------------------|------------|--------|-------|-------|-------|--------------|------------------|-------|-------|------------------------|------------|--------|-------|------------|-------|---|----|-------|-------|--------|------------|--------|----------|------------|--------|-------|-------|---|--------|------------|-------|--|--|--|------|-------|---|--------|------------|-------|--|--|--|-------------|-----|-----|---|--------------------|------------|-------|--------------------|-------|-----|-----|-----|--------------|------|------|---------|-----------|------|-------|--|--|--|--|--|--|--|--|-------|-----|--|--|--|--|--|--|--|--|---|
| A | | | | | | | | | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | Recommended Panel Cut-Out | | | | <table border="1"> <thead> <tr> <th>POSITION</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>24.99</td> <td>20.47</td> <td>10.67</td> <td>12.01</td> </tr> <tr> <td>26</td> <td>33.30</td> <td>28.80</td> <td>10.67</td> <td>20.35</td> </tr> <tr> <td>44</td> <td>47.04</td> <td>42.52</td> <td>10.67</td> <td>34.06</td> </tr> <tr> <td>62</td> <td>63.50</td> <td>59.08</td> <td>10.67</td> <td>50.62</td> </tr> <tr> <td>78</td> <td>61.00</td> <td>56.34</td> <td>14.10</td> <td>46.90</td> </tr> </tbody> </table> | | | | POSITION | A | B | C | D | 15 | 24.99 | 20.47 | 10.67 | 12.01 | 26 | 33.30 | 28.80 | 10.67 | 20.35 | 44 | 47.04 | 42.52 | 10.67 | 34.06 | 62 | 63.50 | 59.08 | 10.67 | 50.62 | 78 | 61.00 | 56.34 | 14.10 | 46.90 | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POSITION | A | B | C | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 24.99 | 20.47 | 10.67 | 12.01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 33.30 | 28.80 | 10.67 | 20.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 47.04 | 42.52 | 10.67 | 34.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 63.50 | 59.08 | 10.67 | 50.62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 61.00 | 56.34 | 14.10 | 46.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | | | | | | | | | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | RoHS compliant Unit: mm | <table border="1"> <thead> <tr> <th>Scale</th> <th>Free</th> <th>①</th> <th>Update row pitch of PCB layout</th> <th>20.08.2018</th> <th>Xavier</th> <th></th> <th>Date</th> <th>Name</th> <th>Customer-No.</th> </tr> </thead> <tbody> <tr> <td colspan="2">TOLERANCE</td> <td>⑩</td> <td>Add the plating 15u"Au</td> <td>06.08.2018</td> <td>Winnie</td> <td>Drawn</td> <td>15.08.2012</td> <td>Lucas</td> <td rowspan="3">ASSMANN WSW-No. A-HDx xx A-KG/x</td> </tr> <tr> <td>X.</td> <td>±0.15</td> <td>⑨</td> <td>Update</td> <td>26.06.2018</td> <td>Xavier</td> <td>Approved</td> <td>06.08.2018</td> <td>Winnie</td> </tr> <tr> <td>X.X</td> <td>±0.10</td> <td>⑧</td> <td>Update</td> <td>31.05.2018</td> <td>Segal</td> <td></td> <td></td> <td></td> </tr> <tr> <td>X.XX</td> <td>±0.05</td> <td>⑦</td> <td>Update</td> <td>26.07.2016</td> <td>Jesse</td> <td colspan="3" rowspan="3" style="text-align: center;"> </td> <td>Drawing-No.</td> </tr> <tr> <td>DIM</td> <td>TOL</td> <td>⑥</td> <td>Update the drawing</td> <td>26.07.2016</td> <td>Jesse</td> <td style="text-align: center;">ASS 4897 CO</td> <td>rev11</td> </tr> <tr> <td>X.°</td> <td>±3°</td> <td>Id.</td> <td>Modification</td> <td>Date</td> <td>Name</td> <td>Replace</td> <td>Sheet 5/5</td> </tr> <tr> <td>X.X°</td> <td>±1.0°</td> <td colspan="7"></td> <td></td> </tr> <tr> <td>Angle</td> <td>TOL</td> <td colspan="7"></td> <td></td> </tr> </tbody> </table> | | | | | | | Scale | Free | ① | Update row pitch of PCB layout | 20.08.2018 | Xavier | | Date | Name | Customer-No. | TOLERANCE | | ⑩ | Add the plating 15u"Au | 06.08.2018 | Winnie | Drawn | 15.08.2012 | Lucas | ASSMANN WSW-No. A-HDx xx A-KG/x | X. | ±0.15 | ⑨ | Update | 26.06.2018 | Xavier | Approved | 06.08.2018 | Winnie | X.X | ±0.10 | ⑧ | Update | 31.05.2018 | Segal | | | | X.XX | ±0.05 | ⑦ | Update | 26.07.2016 | Jesse | | | | Drawing-No. | DIM | TOL | ⑥ | Update the drawing | 26.07.2016 | Jesse | ASS 4897 CO | rev11 | X.° | ±3° | Id. | Modification | Date | Name | Replace | Sheet 5/5 | X.X° | ±1.0° | | | | | | | | | Angle | TOL | | | | | | | | | G |
| Scale | | Free | ① | Update row pitch of PCB layout | 20.08.2018 | Xavier | | Date | Name | Customer-No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOLERANCE | | ⑩ | Add the plating 15u"Au | 06.08.2018 | Winnie | Drawn | 15.08.2012 | Lucas | ASSMANN WSW-No. A-HDx xx A-KG/x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X. | ±0.15 | ⑨ | Update | 26.06.2018 | Xavier | Approved | 06.08.2018 | Winnie | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X.X | ±0.10 | ⑧ | Update | 31.05.2018 | Segal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X.XX | ±0.05 | ⑦ | Update | 26.07.2016 | Jesse | | | | Drawing-No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIM | TOL | ⑥ | Update the drawing | 26.07.2016 | Jesse | | | | ASS 4897 CO | rev11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X.° | ±3° | Id. | Modification | Date | Name | | | | Replace | Sheet 5/5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X.X° | ±1.0° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle | TOL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | SV4086 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |