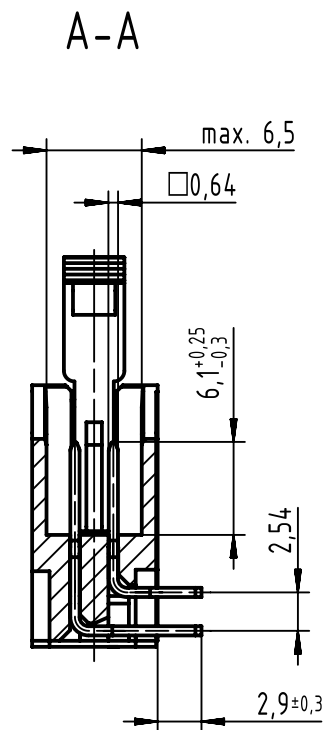
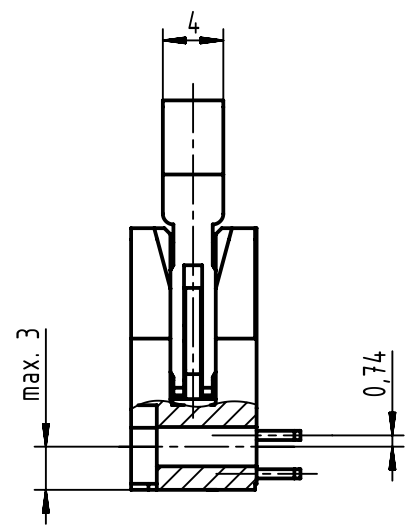
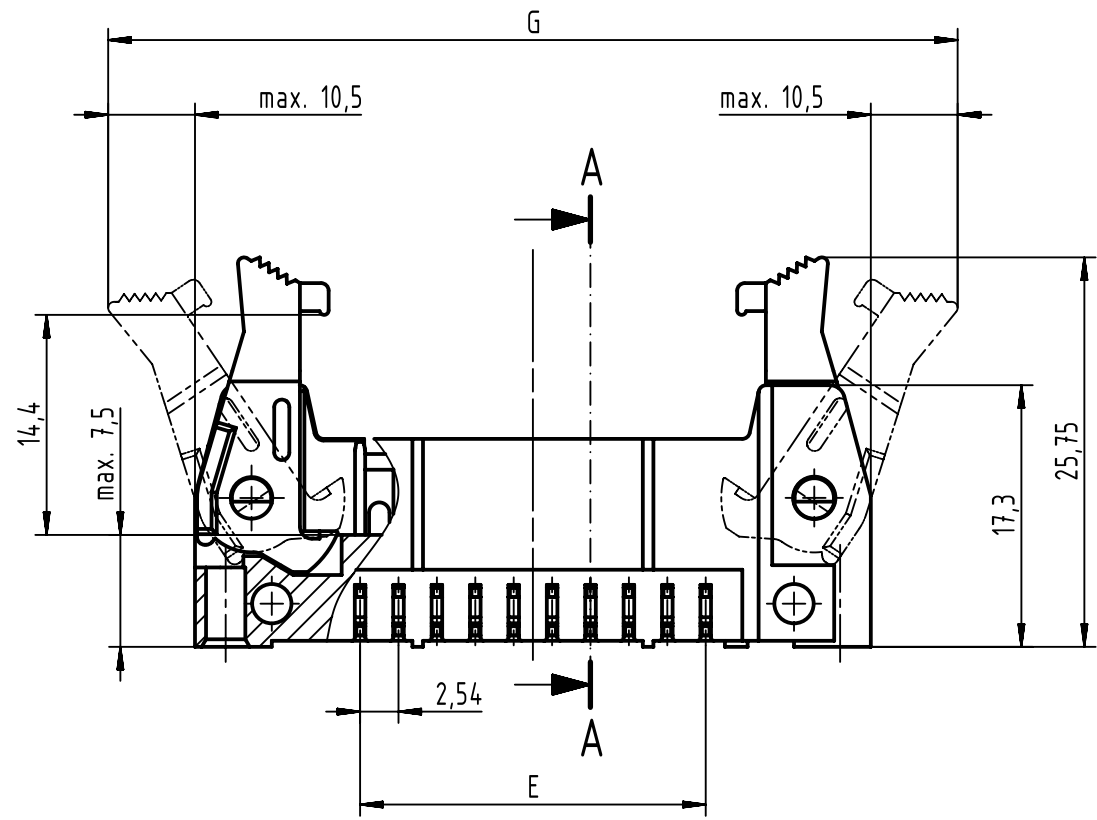
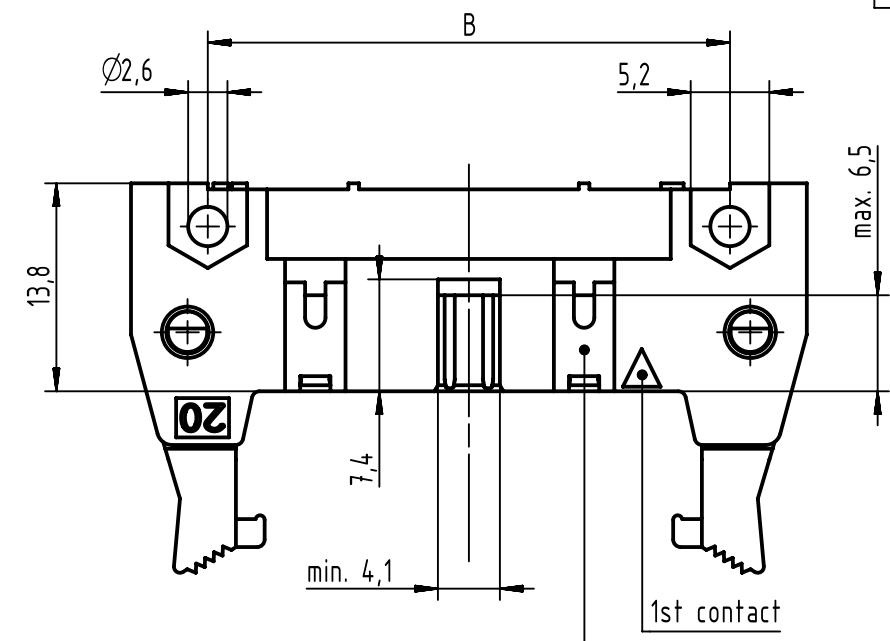
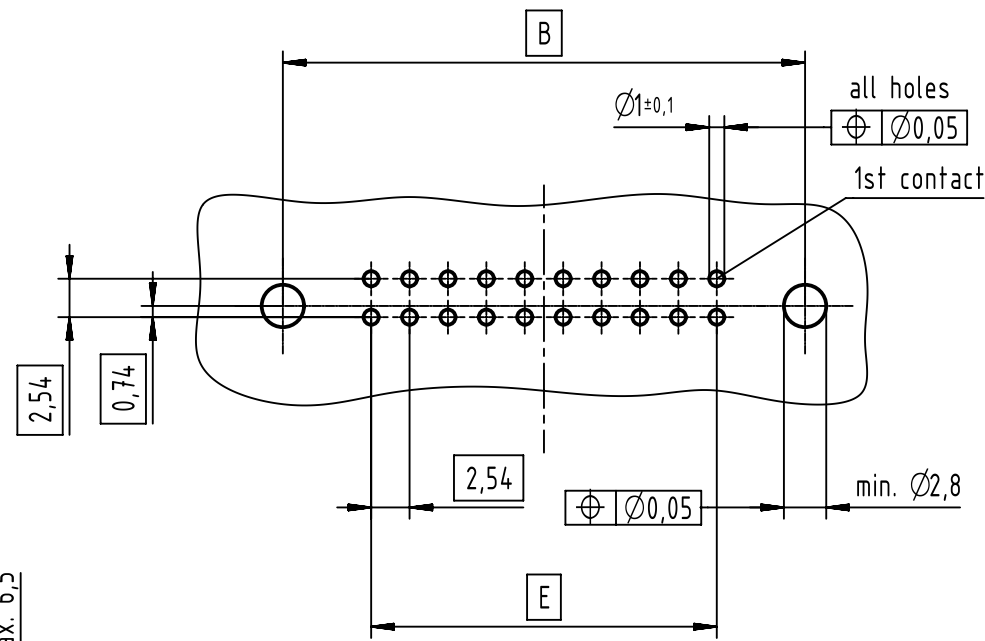
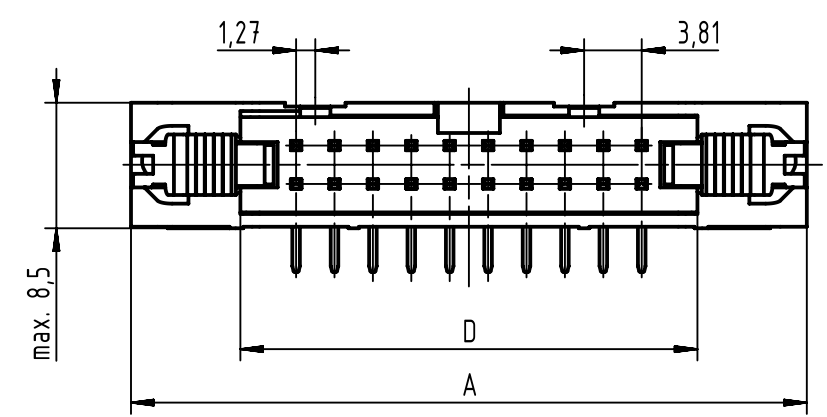
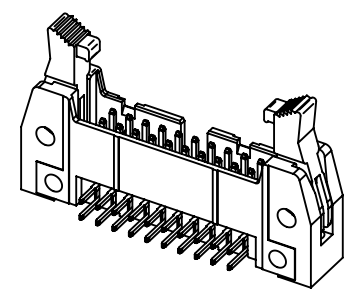




PCB layout  
view component side  
thickness 1,6



see table for coding,  
feature arrangement and style



| coding style table |                                                  |
|--------------------|--------------------------------------------------|
|                    | style A:<br>for connectors 6-pole                |
|                    | style B:<br>for connectors<br>from 10 to 14-pole |
|                    | style C:<br>for connectors<br>from 16 to 64-pole |

further information  
see: DS 09181200001  
  
full range of P/N's and  
dimensions shown on page 2/2

|                                                                                       |                       |                                              |  |                                                               |                                |                       |                                                                |                           |  |                    |  |                                                          |  |             |  |
|---------------------------------------------------------------------------------------|-----------------------|----------------------------------------------|--|---------------------------------------------------------------|--------------------------------|-----------------------|----------------------------------------------------------------|---------------------------|--|--------------------|--|----------------------------------------------------------|--|-------------|--|
|  |                       | All Dimensions in mm<br>Original Size DIN A3 |  | Scale<br>2:1                                                  | Free size tol.<br>IEC 60603-13 |                       | Ref.<br>Sub. TB 09185XXX903/903800 / 500000087654 / 2015-04-08 |                           |  |                    |  |                                                          |  |             |  |
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|                                                                                       | Department EC PD - DE |                                              |  | Title<br>SEK 18 male standard conn angled with long lever 2.9 |                                |                       |                                                                |                           |  |                    |  | Doc-Key / ECM-Nr.<br>100154464/UGD/016/A<br>500000094595 |  |             |  |
| HARTING Electronics GmbH<br>D-32339 Espelkamp                                         |                       |                                              |  | Type<br>TB                                                    |                                | Number<br>09185XXX903 |                                                                |                           |  |                    |  | Rev.<br>A                                                |  | Page<br>1/2 |  |

| 1 |  | 2                                                                                     | 3                  | 4                     | 5                  | 6                                                             | 7     | 8                     |                   |                           |                                                                |                    |   |                                                          |  |   |  |  |  |
|---|--|---------------------------------------------------------------------------------------|--------------------|-----------------------|--------------------|---------------------------------------------------------------|-------|-----------------------|-------------------|---------------------------|----------------------------------------------------------------|--------------------|---|----------------------------------------------------------|--|---|--|--|--|
| A |  | performance level                                                                     |                    |                       | insulator colour   | dimensions                                                    |       |                       |                   |                           | A                                                              |                    |   |                                                          |  |   |  |  |  |
|   |  | PL3                                                                                   | PL2                | S4                    |                    | A max.                                                        | B     | D                     | E                 | G                         |                                                                |                    |   |                                                          |  |   |  |  |  |
|   |  | no. of contacts                                                                       | part number        | part number           |                    | part number                                                   |       |                       |                   |                           |                                                                |                    |   |                                                          |  |   |  |  |  |
| B |  | 06                                                                                    | 09 18 506 7903     | 09 18 506 6903        | 09 18 506 5903     | grey                                                          | 27,2  | 16,76                 | 12,45             | 2,54 x 2 = 5,08           | 40,3                                                           | B                  |   |                                                          |  |   |  |  |  |
|   |  | 10                                                                                    | 09 18 510 7903     | 09 18 510 6903        | 09 18 510 5903     |                                                               | 32,3  | 21,84                 | 17,53             | 2,54 x 4 = 10,16          | 45,4                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 14                                                                                    | 09 18 514 7903     | 09 18 514 6903        | 09 18 514 5903     |                                                               | 37,4  | 26,92                 | 22,61             | 2,54 x 6 = 15,24          | 50,4                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 16                                                                                    | 09 18 516 7903     | 09 18 516 6903        | 09 18 516 5903     |                                                               | 39,9  | 29,46                 | 25,15             | 2,54 x 7 = 17,78          | 53,0                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 20                                                                                    | 09 18 520 7903     | 09 18 520 6903        | 09 18 520 5903     |                                                               | 45,0  | 34,54                 | 30,23             | 2,54 x 9 = 22,86          | 58,1                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 24                                                                                    | 09 18 524 7903     | 09 18 524 6903        | 09 18 524 5903     |                                                               | 50,1  | 39,62                 | 35,91             | 2,54 x 11 = 27,94         | 63,2                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 26                                                                                    | 09 18 526 7903     | 09 18 526 6903        | 09 18 526 5903     |                                                               | 52,6  | 42,16                 | 37,85             | 2,54 x 12 = 30,48         | 65,7                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 30                                                                                    | 09 18 530 7903     | 09 18 530 6903        | 09 18 530 5903     |                                                               | 58,0  | 47,24                 | 43,83             | 2,54 x 14 = 35,56         | 68,6                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 34                                                                                    | 09 18 534 7903     | 09 18 534 6903        | 09 18 534 5903     |                                                               | 62,8  | 52,32                 | 48,01             | 2,54 x 16 = 40,64         | 75,8                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 40                                                                                    | 09 18 540 7903     | 09 18 540 6903        | 09 18 540 5903     |                                                               | 70,4  | 59,94                 | 55,63             | 2,54 x 19 = 48,26         | 83,5                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 50                                                                                    | 09 18 550 7903     | 09 18 550 6903        | 09 18 550 5903     |                                                               | 83,1  | 72,64                 | 68,33             | 2,54 x 24 = 60,96         | 96,2                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 60                                                                                    | 09 18 560 7903     | 09 18 560 6903        | 09 18 560 5903     |                                                               | 95,8  | 85,34                 | 81,03             | 2,54 x 29 = 73,66         | 108,9                                                          |                    |   |                                                          |  |   |  |  |  |
| C |  | 64                                                                                    | 09 18 564 7903     | 09 18 564 6903        | 09 18 564 5903     | black                                                         | 100,9 | 90,42                 | 86,11             | 2,54 x 31 = 78,74         | 113,9                                                          | C                  |   |                                                          |  |   |  |  |  |
|   |  | 06                                                                                    | 09 18 506 7903 001 | 09 18 506 6903 001    | 09 18 506 5903 001 |                                                               | 27,2  | 16,76                 | 12,45             | 2,54 x 2 = 5,08           | 40,3                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 10                                                                                    | 09 18 510 7903 001 | 09 18 510 6903 001    | 09 18 510 5903 001 |                                                               | 32,3  | 21,84                 | 17,53             | 2,54 x 4 = 10,16          | 45,4                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 14                                                                                    | 09 18 514 7903 001 | 09 18 514 6903 001    | 09 18 514 5903 001 |                                                               | 37,4  | 26,92                 | 22,61             | 2,54 x 6 = 15,24          | 50,4                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 16                                                                                    | 09 18 516 7903 001 | 09 18 516 6903 001    | 09 18 516 5903 001 |                                                               | 39,9  | 29,46                 | 25,15             | 2,54 x 7 = 17,78          | 53,0                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 20                                                                                    | 09 18 520 7903 001 | 09 18 520 6903 001    | 09 18 520 5903 001 |                                                               | 45,0  | 34,54                 | 30,23             | 2,54 x 9 = 22,86          | 58,1                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 24                                                                                    | 09 18 524 7903 001 | 09 18 524 6903 001    | 09 18 524 5903 001 |                                                               | 50,1  | 39,62                 | 35,91             | 2,54 x 11 = 27,94         | 63,2                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 26                                                                                    | 09 18 526 7903 001 | 09 18 526 6903 001    | 09 18 526 5903 001 |                                                               | 52,6  | 42,16                 | 37,85             | 2,54 x 12 = 30,48         | 65,7                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 30                                                                                    | 09 18 530 7903 001 | 09 18 530 6903 001    | 09 18 530 5903 001 |                                                               | 58,0  | 47,24                 | 43,83             | 2,54 x 14 = 35,56         | 68,6                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 34                                                                                    | 09 18 534 7903 001 | 09 18 534 6903 001    | 09 18 534 5903 001 |                                                               | 62,8  | 52,32                 | 48,01             | 2,54 x 16 = 40,64         | 75,8                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 40                                                                                    | 09 18 540 7903 001 | 09 18 540 6903 001    | 09 18 540 5903 001 |                                                               | 70,4  | 59,94                 | 55,63             | 2,54 x 19 = 48,26         | 83,5                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 50                                                                                    | 09 18 550 7903 001 | 09 18 550 6903 001    | 09 18 550 5903 001 |                                                               | 83,1  | 72,64                 | 68,33             | 2,54 x 24 = 60,96         | 96,2                                                           |                    |   |                                                          |  |   |  |  |  |
| D |  | 60                                                                                    | 09 18 560 7903 001 | 09 18 560 6903 001    | 09 18 560 5903 001 | grey without printing                                         | 95,8  | 85,34                 | 81,03             | 2,54 x 29 = 73,66         | 108,9                                                          | D                  |   |                                                          |  |   |  |  |  |
|   |  | 64                                                                                    | 09 18 564 7903 001 | 09 18 564 6903 001    | 09 18 564 5903 001 |                                                               | 100,9 | 90,42                 | 86,11             | 2,54 x 31 = 78,74         | 113,9                                                          |                    |   |                                                          |  |   |  |  |  |
|   |  | 06                                                                                    | 09 18 506 7903 800 | 09 18 506 6903 800    | 09 18 506 5903 800 |                                                               | 27,2  | 16,76                 | 12,45             | 2,54 x 2 = 5,08           | 40,3                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 10                                                                                    | 09 18 510 7903 800 | 09 18 510 6903 800    | 09 18 510 5903 800 |                                                               | 32,3  | 21,84                 | 17,53             | 2,54 x 4 = 10,16          | 45,4                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 14                                                                                    | 09 18 514 7903 800 | 09 18 514 6903 800    | 09 18 514 5903 800 |                                                               | 37,4  | 26,92                 | 22,61             | 2,54 x 6 = 15,24          | 50,4                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 16                                                                                    | 09 18 516 7903 800 | 09 18 516 6903 800    | 09 18 516 5903 800 |                                                               | 39,9  | 29,46                 | 25,15             | 2,54 x 7 = 17,78          | 53,0                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 20                                                                                    | 09 18 520 7903 800 | 09 18 520 6903 800    | 09 18 520 5903 800 |                                                               | 45,0  | 34,54                 | 30,23             | 2,54 x 9 = 22,86          | 58,1                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 24                                                                                    | 09 18 524 7903 800 | 09 18 524 6903 800    | 09 18 524 5903 800 |                                                               | 50,1  | 39,62                 | 35,91             | 2,54 x 11 = 27,94         | 63,2                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 26                                                                                    | 09 18 526 7903 800 | 09 18 526 6903 800    | 09 18 526 5903 800 |                                                               | 52,6  | 42,16                 | 37,85             | 2,54 x 12 = 30,48         | 65,7                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 30                                                                                    | 09 18 530 7903 800 | 09 18 530 6903 800    | 09 18 530 5903 800 |                                                               | 58,0  | 47,24                 | 43,83             | 2,54 x 14 = 35,56         | 68,6                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 34                                                                                    | 09 18 534 7903 800 | 09 18 534 6903 800    | 09 18 534 5903 800 |                                                               | 62,8  | 52,32                 | 48,01             | 2,54 x 16 = 40,64         | 75,8                                                           |                    |   |                                                          |  |   |  |  |  |
|   |  | 40                                                                                    | 09 18 540 7903 800 | 09 18 540 6903 800    | 09 18 540 5903 800 |                                                               | 70,4  | 59,94                 | 55,63             | 2,54 x 19 = 48,26         | 83,5                                                           |                    |   |                                                          |  |   |  |  |  |
| E |  | 50                                                                                    | 09 18 550 7903 800 | 09 18 550 6903 800    | 09 18 550 5903 800 | 83,1                                                          | 72,64 | 68,33                 | 2,54 x 24 = 60,96 | 96,2                      | E                                                              |                    |   |                                                          |  |   |  |  |  |
|   |  | 60                                                                                    | 09 18 560 7903 800 | 09 18 560 6903 800    | 09 18 560 5903 800 | 95,8                                                          | 85,34 | 81,03                 | 2,54 x 29 = 73,66 | 108,9                     |                                                                |                    |   |                                                          |  |   |  |  |  |
|   |  | 64                                                                                    | 09 18 564 7903 800 | 09 18 564 6903 800    | 09 18 564 5903 800 | 100,9                                                         | 90,42 | 86,11                 | 2,54 x 31 = 78,74 | 113,9                     |                                                                |                    |   |                                                          |  |   |  |  |  |
| F |  |                                                                                       |                    |                       |                    | All Dimensions in mm<br>Original Size DIN A3                  |       | Scale<br>1:1          | Free size tol.    |                           | Ref.<br>Sub. TB 09185XXX903/903800 / 500000087654 / 2015-04-08 |                    | F |                                                          |  |   |  |  |  |
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|   |  |                                                                                       |                    | Department EC PD - DE |                    | Title<br>SEK 18 male standard conn angled with long lever 2.9 |       |                       |                   |                           |                                                                |                    |   | Doc-Key / ECM-Nr.<br>100154464/UGD/016/A<br>500000094595 |  |   |  |  |  |
|   |  | HARTING Electronics GmbH<br>D-32339 Espelkamp                                         |                    |                       |                    | Type<br>TB                                                    |       | Number<br>09185XXX903 |                   |                           |                                                                | Rev.<br>A          |   | Page<br>2/2                                              |  |   |  |  |  |
|   |  | 1                                                                                     |                    | 2                     |                    | 3                                                             |       | 4                     |                   | 5                         |                                                                | 6                  |   | 7                                                        |  | 8 |  |  |  |