

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC UL94V0
- CONTACT MATERIAL: BRASS (SIGNAL CONTACT)
- BRASS (POWERS CONTACT)
- ACCESSORIES: BRASS
- SHELLS: STEEL

ELECTRICAL CHARACTERISTICS

- NOMINAL CURRENT: 7.5A (SIGNAL CONTACT)
- 30A or 40A (POWER CONTACT)
- CONTACT RESISTANCE: <=7.3 m Ohms(SIGNAL and POWER)
- CONTACT/CONTACT : >=1000 V
- CONTACT/GROUND : >=1200 V
- INSULATION RESISTANCE: >=5000 MOhms

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55/125/21
- TEMPERATURE RANGE -55°C TO +125°C
- DAMP HEAT STEADY STATE 21 DAYS
- SALT SPRAY 24 HOURS

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE: - Threaded insert: 0.7 N.m maximum
- Female screw : 0.5 N.m maximum

NOTE RoHS INFORMATION

- The "LF" products meet european union Directives and other country regulations as described in GS-47-0004.
- The housing will withstand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board. See application notes/procedures if they are available.
- Termination plating spec:
  - Signal contacts: Ni + Gold/GxT
  - Power contacts: Ni 1.27µmi+Sn 2.5 to 7.5µ,pure bright
- Active area plating spec:
  - Signal and power contacts: Ni + Gold/GxT
- Shell plating :2 to 4µm Cu + Ni + 3 to 10µmm Sn,pure bright
- Accessories: Sn pure bright + nickel
- Packaging spec: See GS-14-920

Series

Shell size: **E A B C**  
(see sheet 3)

Front accessory definition  
(see sheet 2)

- blank**:without accessory
- L** :threaded insert M3
- O** :threaded insert UNC 4-40
- V** :female screw UNC 4-40

Layout of contacts (see sheet 3)

Contacts  
**P** Pin

Termination type  
**5** Right angle/Europe standard

Plating  
**00** 200 matings/unmatings  
**43** 500 matings/unmatings

PCB accessories definition(see sheet 2)  
**A** :without accessory  
**H** :Metal brackets+harpoons for PCB 2.40mm  
**G** :Metal brackets+harpoons for PCB 1.60mm  
**M** :Metal brackets

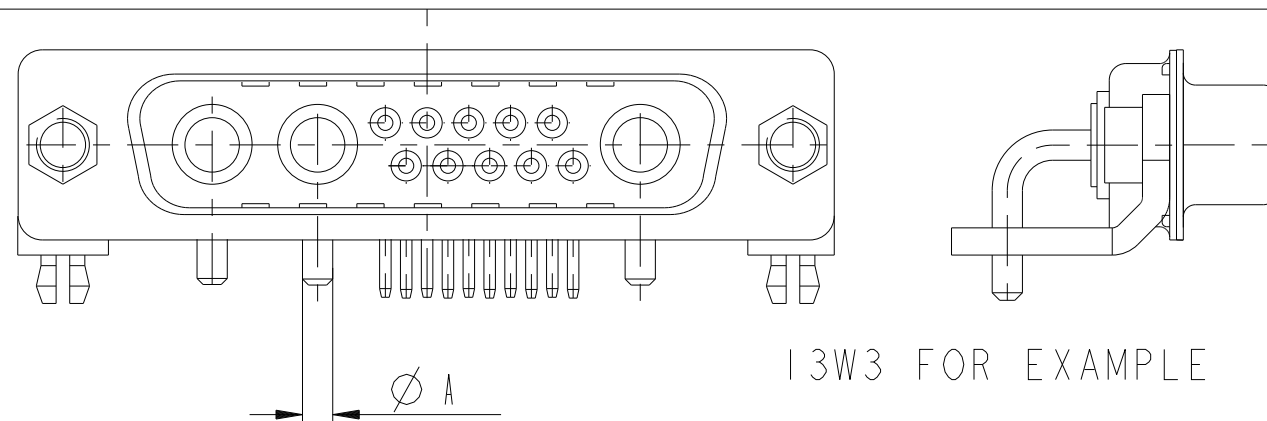
Power contacts  
**30** :Fitted with power contacts 30 Amp.  
**40** :Fitted with power contacts 40 Amp.

DBL13W3P500G30LF

See note RoHS

TABLE 1:PCB HOLE DIAMETERS

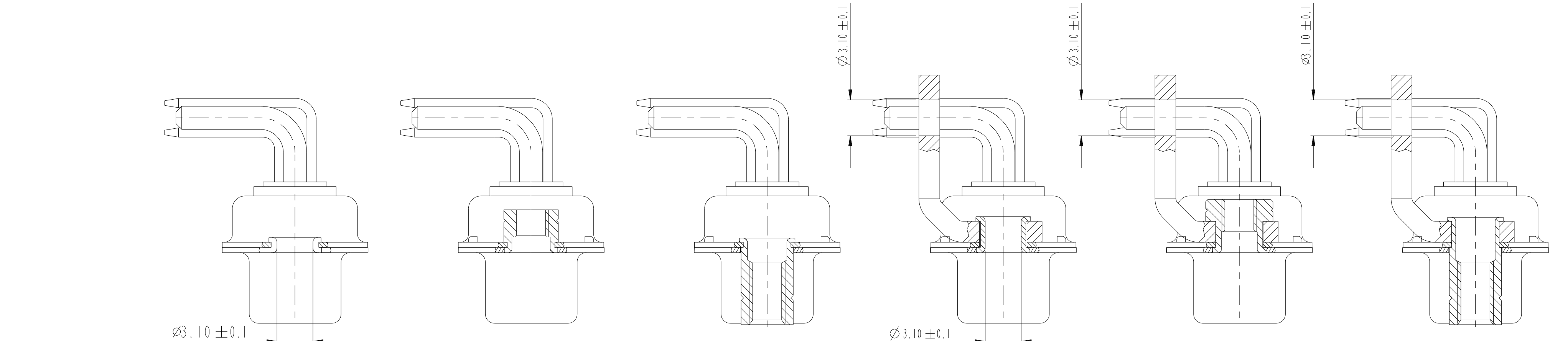
| POWER CONTACTS    |         |                | ACCESSORIES    | SIGNAL CONTACT |
|-------------------|---------|----------------|----------------|----------------|
| 30 A              | 2.00    | Ø2.40          | Ø3.10          | Ø1.00          |
| 40 A              | 2.80    | Ø3.10          |                |                |
| Max current Power | ØA±0.10 | PCB HOLE ±0.10 | PCB HOLE ±0.10 | PCB HOLE ±0.10 |



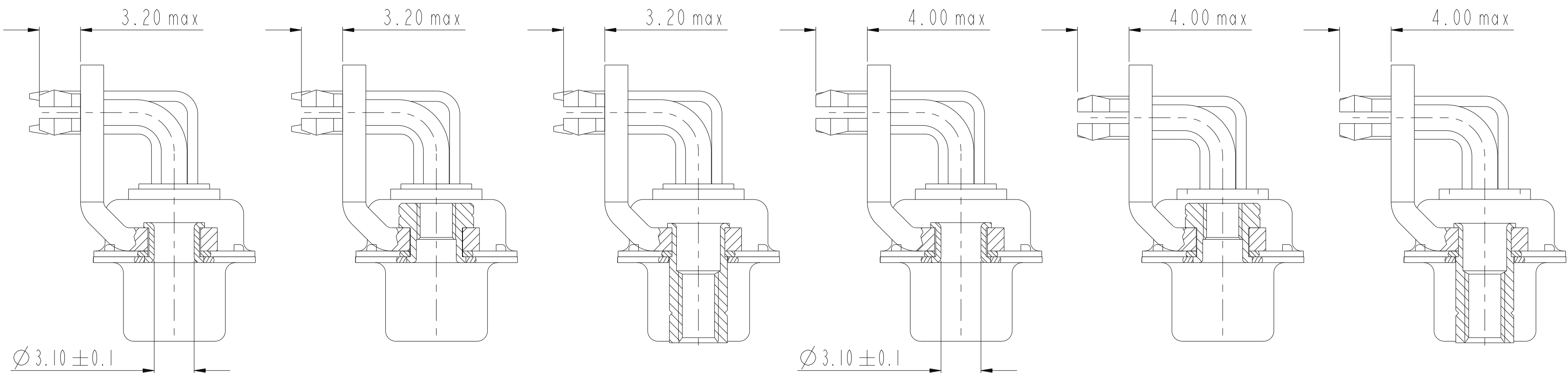
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|---------------------|--------|---------|--|----------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------|-----------|----------------|----------|
| spec ref            |        | dr      |  | 1, Product Eng | 2015/06/16 | projection<br> | mm<br> | size                                                           | A2                     | scale     | 1:1            |          |
| tolerance std       |        | eng     |  | Gregar Mathew  | 2019/11/11 |                                                                                                     |                                                                                             | ecn no                                                         | ELX-1-33009-1          | rel level | Released       |          |
| ISO 1101<br>ISO 406 |        | chr     |  | -              | -          |                                                                                                     |                                                                                             |                                                                |                        |           |                |          |
|                     |        | appr    |  | Varma Sudhir   | 2019/11/12 | product family                                                                                      |                                                                                             | -                                                              |                        |           |                |          |
| surface<br>ISO 1302 | linear | 0.X     |  | ±0.3           |            | Amphenol<br>FCI                                                                                     | title                                                                                       | SUB MALE DW EUROPE FOOT PRINT<br>MIXED POWER RIGHT ANGL SOLDER |                        | dwg no    | C01-8639-2304c | rev<br>E |
|                     |        | 0.XX    |  | ±0.10.10       |            |                                                                                                     |                                                                                             |                                                                |                        |           |                |          |
|                     |        | 0.XXX   |  | ±0.05          |            |                                                                                                     |                                                                                             |                                                                |                        |           |                |          |
|                     |        | angular |  | 0°             |            |                                                                                                     |                                                                                             |                                                                |                        |           |                |          |
|                     |        |         |  |                |            | cat. no.                                                                                            |                                                                                             | -                                                              | Product - Customer Drw |           | sheet 1 of 7   |          |

Amphenol  
FCi

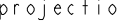
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|                 |               |                                  |                   |                  |                                  |                   |
|-----------------|---------------|----------------------------------|-------------------|------------------|----------------------------------|-------------------|
| FRONT ACCESSORY | Blank Without | L insert M3<br>O insert UNC 4.40 | V insert UNC 4.40 | Blank Without    | L insert M3<br>O insert UNC 4.40 | V insert UNC 4.40 |
| PCB ACCESSORIES | A Without     | A Without                        | A Without         | M Metal brackets | M Metal brackets                 | M Metal bracket   |



|                 |                                            |                                            |                                            |                                            |                                            |                                            |
|-----------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| FRONT ACCESSORY | Blank Without                              | L insert M3<br>O insert UNC 4.40           | V insert UNC 4.40                          | Blank Without                              | L insert M3<br>O insert UNC 4.40           | V insert UNC 4.40                          |
| PCB ACCESSORIES | G Metal brackets + harpoons for PCB 1.60mm | G Metal brackets + harpoons for PCB 1.60mm | G Metal brackets + harpoons for PCB 1.60mm | H Metal brackets + harpoons for PCB 2.40mm | H Metal brackets + harpoons for PCB 2.40mm | H Metal brackets + harpoons for PCB 2.40mm |

|               |          |       |         |                 |                |                               |            |                                                                                       |    |                                                                                       |        |                |       |     |
|---------------|----------|-------|---------|-----------------|----------------|-------------------------------|------------|---------------------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------|--------|----------------|-------|-----|
| spec ref      |          |       | dr      |                 | 1, Product Eng | 2015/06/16                    | projection |  | mm |  | size   | A2             | scale | 3:1 |
| tolerance std |          |       | eng     |                 | Gregar Mathew  | 2019/11/11                    |            |                                                                                       |    |                                                                                       | ecn no | ELX-133009-1   |       |     |
| ISO 1101      |          |       | chr     |                 |                | -                             | -          | rel level                                                                             |    |                                                                                       |        |                |       |     |
| ISO 1101      |          |       | appr    |                 |                | Varma Sudhir                  | 2019/11/12 |                                                                                       |    |                                                                                       |        |                |       |     |
| ISO 406       |          |       |         |                 |                |                               |            |                                                                                       |    |                                                                                       |        |                |       |     |
| surface       | linear   | 0.X   | ±0.30   | Amphenol<br>FCI | title          | SUB MALE DW EUROPE FOOT PRINT |            |                                                                                       |    |                                                                                       | dwg no | C01-8639-2304c |       | rev |
|               |          | 0.XX  | ±0.10   |                 |                |                               |            |                                                                                       |    |                                                                                       |        |                |       |     |
|               |          | 0.XXX | ±0.05   |                 |                |                               |            |                                                                                       |    |                                                                                       |        |                |       |     |
|               | ISO 1302 |       | angular |                 |                |                               |            |                                                                                       |    |                                                                                       |        |                |       |     |

| PART NUMBER     | AMPS | MATINGS/<br>UNMATINGS | FRONT<br>ACCESSORY    | PCB<br>ACCESSORIES               |
|-----------------|------|-----------------------|-----------------------|----------------------------------|
| D*xWxP500A30LF  | 30   | 200                   | without               | without                          |
| D*LxWxP500A30LF | 30   | 200                   | insert M3             | without                          |
| D*OxWxP500A30LF | 30   | 200                   | insert UNC 4.40       | without                          |
| D*VxWxP500A30LF | 30   | 200                   | female screw UNC 4.40 | without                          |
| D*xWxP500H30LF  | 30   | 200                   | without               | metal bracket+harpoon PCB 2.40mm |
| D*LxWxP500H30LF | 30   | 200                   | insert M3             | metal bracket+harpoon PCB 2.40mm |
| D*OxWxP500H30LF | 30   | 200                   | insert UNC 4.40       | metal bracket+harpoon PCB 2.40mm |
| D*VxWxP500H30LF | 30   | 200                   | female screw UNC 4.40 | metal bracket+harpoon PCB 2.40mm |
| D*xWxP500G30LF  | 30   | 200                   | without               | metal bracket+harpoon PCB 1.60mm |
| D*LxWxP500G30LF | 30   | 200                   | insert M3             | metal bracket+harpoon PCB 1.60mm |
| D*OxWxP500G30LF | 30   | 200                   | insert UNC 4.40       | metal bracket+harpoon PCB 1.60mm |
| D*VxWxP500G30LF | 30   | 200                   | female screw UNC 4.40 | metal bracket+harpoon PCB 1.60mm |
| D*xWxP500M30LF  | 30   | 200                   | without               | metal bracket                    |
| D*LxWxP500M30LF | 30   | 200                   | insert M3             | metal bracket                    |
| D*OxWxP500M30LF | 30   | 200                   | insert UNC 4.40       | metal bracket                    |
| D*VxWxP500M30LF | 30   | 200                   | female screw UNC 4.40 | metal bracket                    |

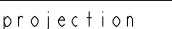
| PART NUMBER     | AMPS | MATINGS/<br>UNMATINGS | FRONT<br>ACCESSORY    | PCB<br>ACCESSORIES               |
|-----------------|------|-----------------------|-----------------------|----------------------------------|
| D*xWxP500A40LF  | 40   | 200                   | without               | without                          |
| D*LxWxP500A40LF | 40   | 200                   | insert M3             | without                          |
| D*OxWxP500A40LF | 40   | 200                   | insert UNC 4.40       | without                          |
| D*VxWxP500A40LF | 40   | 200                   | female screw UNC 4.40 | without                          |
| D*xWxP500H40LF  | 40   | 200                   | without               | metal bracket+harpoon PCB 2.40mm |
| D*LxWxP500H40LF | 40   | 200                   | insert M3             | metal bracket+harpoon PCB 2.40mm |
| D*OxWxP500H40LF | 40   | 200                   | insert UNC 4.40       | metal bracket+harpoon PCB 2.40mm |
| D*VxWxP500H40LF | 40   | 200                   | female screw UNC 4.40 | metal bracket+harpoon PCB 2.40mm |
| D*xWxP500G40LF  | 40   | 200                   | without               | metal bracket+harpoon PCB 1.60mm |
| D*LxWxP500G40LF | 40   | 200                   | insert M3             | metal bracket+harpoon PCB 1.60mm |
| D*OxWxP500G40LF | 40   | 200                   | insert UNC 4.40       | metal bracket+harpoon PCB 1.60mm |
| D*VxWxP500G40LF | 40   | 200                   | female screw UNC 4.40 | metal bracket+harpoon PCB 1.60mm |
| D*xWxP500M40LF  | 40   | 200                   | without               | metal bracket                    |
| D*LxWxP500M40LF | 40   | 200                   | insert M3             | metal bracket                    |
| D*OxWxP500M40LF | 40   | 200                   | insert UNC 4.40       | metal bracket                    |
| D*VxWxP500M40LF | 40   | 200                   | female screw UNC 4.40 | metal bracket                    |

shell size  
\*  
E  
A  
A  
B  
B  
B  
C  
C  
C

LAYOUTS  
xWx  
5W1  
11W1  
7W2  
21W1  
17W2  
13W3  
9W4  
25W3  
21WA4  
27W2

| PART NUMBER     | AMPS | MATINGS/<br>UNMATINGS | FRONT<br>ACCESSORY    | PCB<br>ACCESSORIES               |
|-----------------|------|-----------------------|-----------------------|----------------------------------|
| D*xWxP543A30LF  | 30   | 500                   | without               | without                          |
| D*LxWxP543A30LF | 30   | 500                   | insert M3             | without                          |
| D*OxWxP543A30LF | 30   | 500                   | insert UNC 4.40       | without                          |
| D*VxWxP543A30LF | 30   | 500                   | female screw UNC 4.40 | without                          |
| D*xWxP543H30LF  | 30   | 500                   | without               | metal bracket+harpoon PCB 2.40mm |
| D*LxWxP543H30LF | 30   | 500                   | insert M3             | metal bracket+harpoon PCB 2.40mm |
| D*OxWxP543H30LF | 30   | 500                   | insert UNC 4.40       | metal bracket+harpoon PCB 2.40mm |
| D*VxWxP543H30LF | 30   | 500                   | female screw UNC 4.40 | metal bracket+harpoon PCB 2.40mm |
| D*xWxP543G30LF  | 30   | 500                   | without               | metal bracket+harpoon PCB 1.60mm |
| D*LxWxP543G30LF | 30   | 500                   | insert M3             | metal bracket+harpoon PCB 1.60mm |
| D*OxWxP543G30LF | 30   | 500                   | insert UNC 4.40       | metal bracket+harpoon PCB 1.60mm |
| D*VxWxP543G30LF | 30   | 500                   | female screw UNC 4.40 | metal bracket+harpoon PCB 1.60mm |
| D*xWxP543M30LF  | 30   | 500                   | without               | metal bracket                    |
| D*LxWxP543M30LF | 30   | 500                   | insert M3             | metal bracket                    |
| D*OxWxP543M30LF | 30   | 500                   | insert UNC 4.40       | metal bracket                    |
| D*VxWxP543M30LF | 30   | 500                   | female screw UNC 4.40 | metal bracket                    |

| PART NUMBER     | AMPS | MATINGS/<br>UNMATINGS | FRONT<br>ACCESSORY    | PCB<br>ACCESSORIES               |
|-----------------|------|-----------------------|-----------------------|----------------------------------|
| D*xWxP543A40LF  | 40   | 500                   | without               | without                          |
| D*LxWxP543A40LF | 40   | 500                   | insert M3             | without                          |
| D*OxWxP543A40LF | 40   | 500                   | insert UNC 4.40       | without                          |
| D*VxWxP543A40LF | 40   | 500                   | female screw UNC 4.40 | without                          |
| D*xWxP543H40LF  | 40   | 500                   | without               | metal bracket+harpoon PCB 2.40mm |
| D*LxWxP543H40LF | 40   | 500                   | insert M3             | metal bracket+harpoon PCB 2.40mm |
| D*OxWxP543H40LF | 40   | 500                   | insert UNC 4.40       | metal bracket+harpoon PCB 2.40mm |
| D*VxWxP543H40LF | 40   | 500                   | female screw UNC 4.40 | metal bracket+harpoon PCB 2.40mm |
| D*xWxP543G40LF  | 40   | 500                   | without               | metal bracket+harpoon PCB 1.60mm |
| D*LxWxP543G40LF | 40   | 500                   | insert M3             | metal bracket+harpoon PCB 1.60mm |
| D*OxWxP543G40LF | 40   | 500                   | insert UNC 4.40       | metal bracket+harpoon PCB 1.60mm |
| D*VxWxP543G40LF | 40   | 500                   | female screw UNC 4.40 | metal bracket+harpoon PCB 1.60mm |
| D*xWxP543M40LF  | 40   | 500                   | without               | metal bracket                    |
| D*LxWxP543M40LF | 40   | 500                   | insert M3             | metal bracket                    |
| D*OxWxP543M40LF | 40   | 500                   | insert UNC 4.40       | metal bracket                    |
| D*VxWxP543M40LF | 40   | 500                   | female screw UNC 4.40 | metal bracket                    |

|               |          |         |    |                |            |                                                                                       |                                                                                       |        |               |           |                        |     |              |
|---------------|----------|---------|----|----------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|---------------|-----------|------------------------|-----|--------------|
| spec ref      |          | dr      |    | 1, Product Eng | 2015/06/16 |  |  | size   | A2            | scale     | 3:1                    |     |              |
| tolerance std |          | eng     |    | Gregar Mathew  | 2019/11/11 |                                                                                       |                                                                                       | ecn no | ELX-I-33009-1 | rel level | Released               |     |              |
| ISO 1101      |          | chr     |    | -              | -          |                                                                                       |                                                                                       |        |               |           |                        |     |              |
| ISO 406       |          | appr    |    | Varma Sudhir   | 2019/11/12 |                                                                                       |                                                                                       |        |               |           |                        |     |              |
|               |          |         |    |                |            | product family                                                                        |                                                                                       | 0 SUB  |               |           |                        |     |              |
| surface       | linear   | 0.X     |    | ±0.30          |            |  | SUB MALE DW EUROPE FOOT PRINT                                                         |        |               |           | C01-8639-2304c         | rev | E            |
|               |          | 0.XX    |    | ±0.10          |            |                                                                                       |                                                                                       |        |               |           |                        |     |              |
|               |          | 0.XXX   |    | ±0.05          |            |                                                                                       |                                                                                       |        |               |           |                        |     |              |
|               |          | 0.XXX   |    | ±0.05          |            |                                                                                       |                                                                                       |        |               |           |                        |     |              |
|               | ISO 1302 | angular | 0° |                | ±2         |                                                                                       | cat. no.                                                                              |        | -             |           | Product - Customer Drw |     | sheet 3 of 7 |

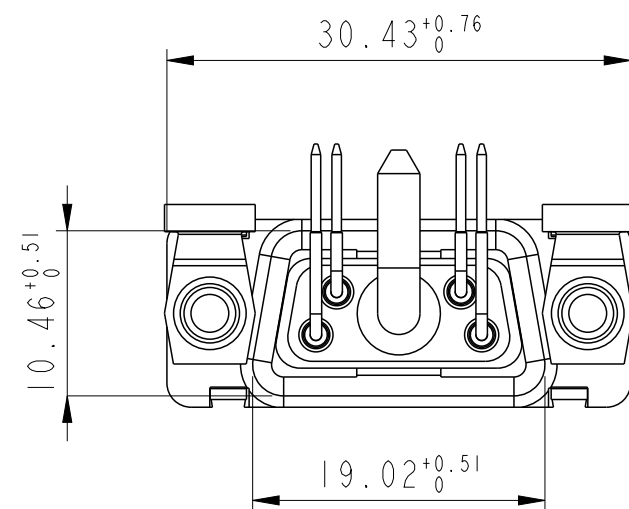
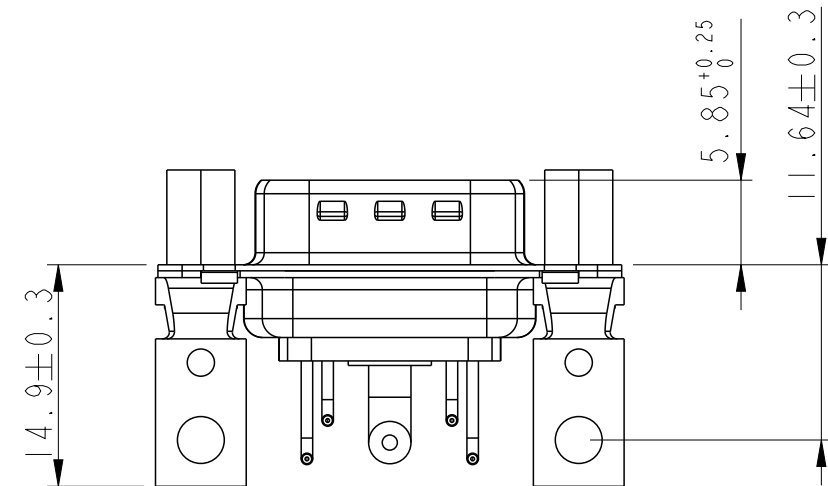
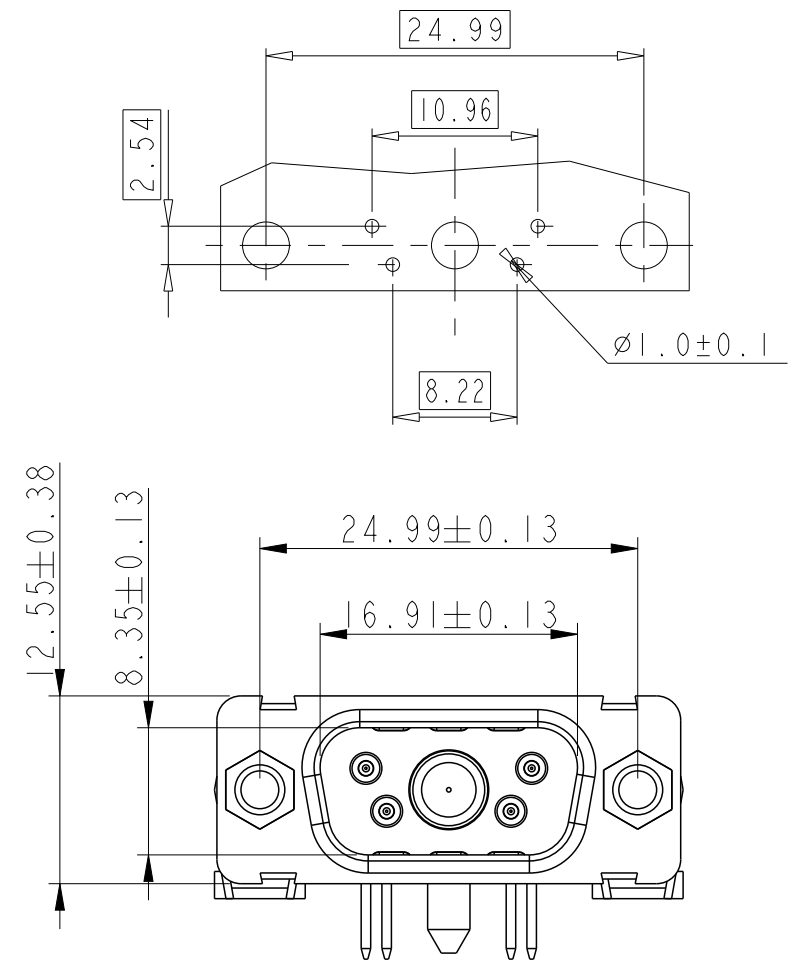


A  
B  
C  
D  
E  
F

5W1

LAYOUT AND CONNECTOR DIMENSIONS

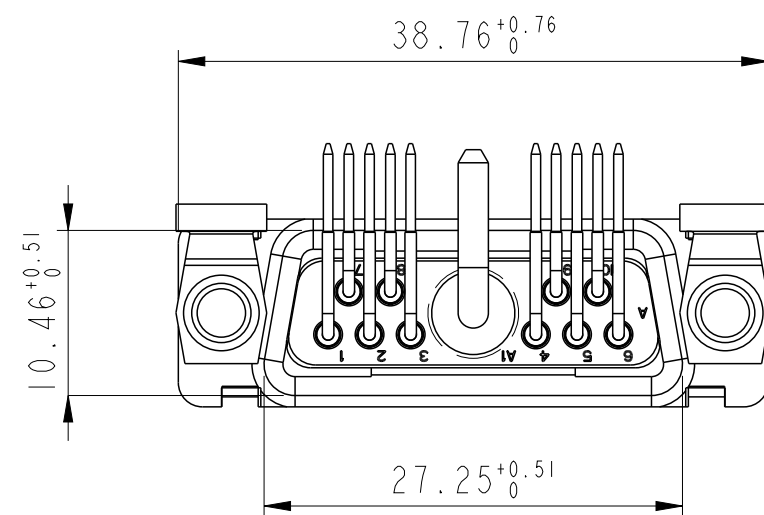
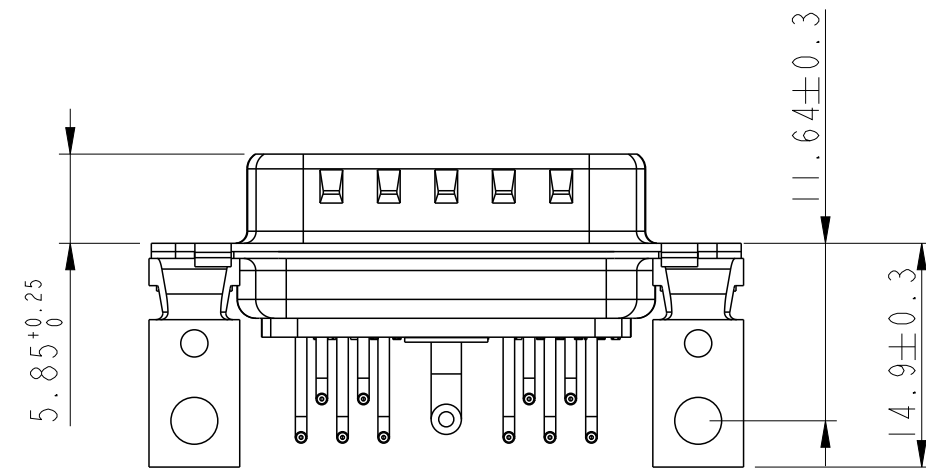
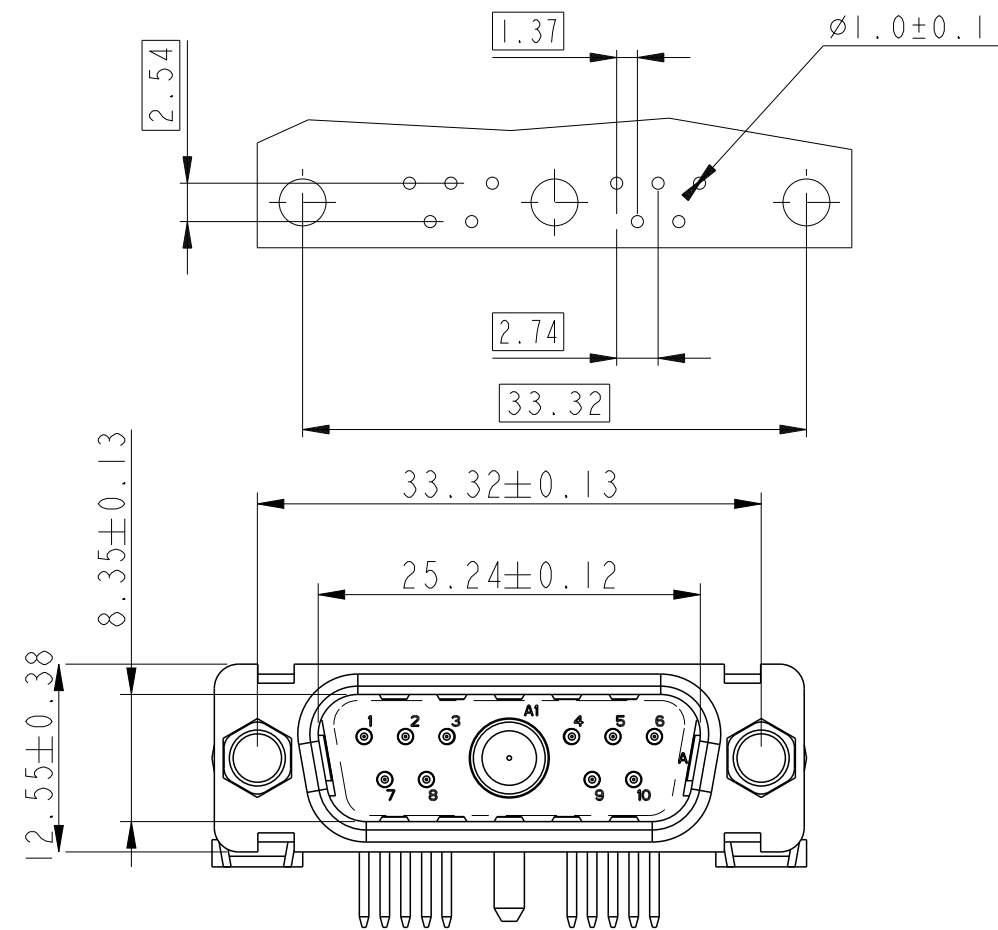
For PCB hole diameters see table I sheet I



11W1

LAYOUT AND CONNECTOR DIMENSIONS

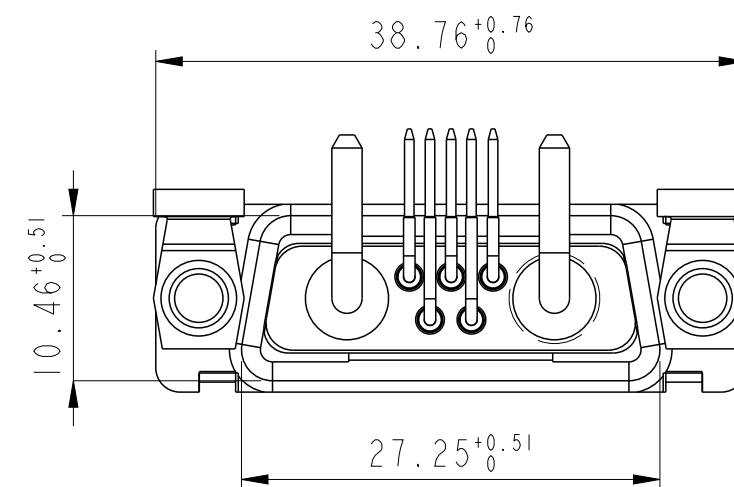
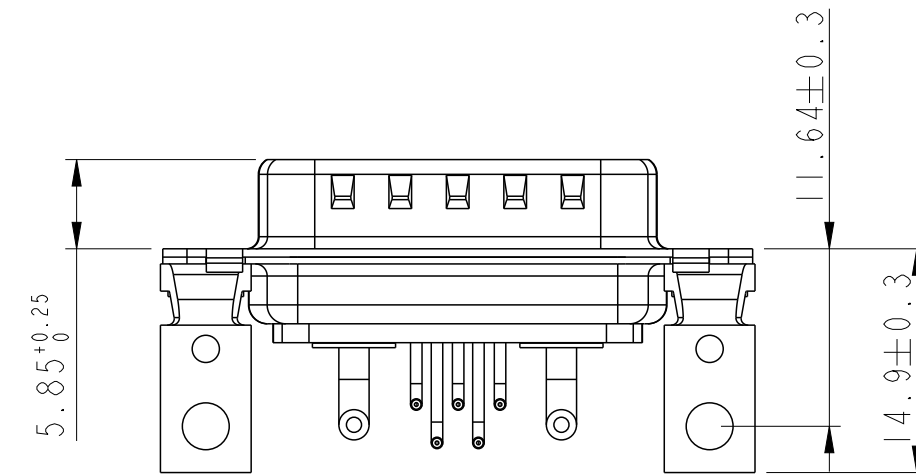
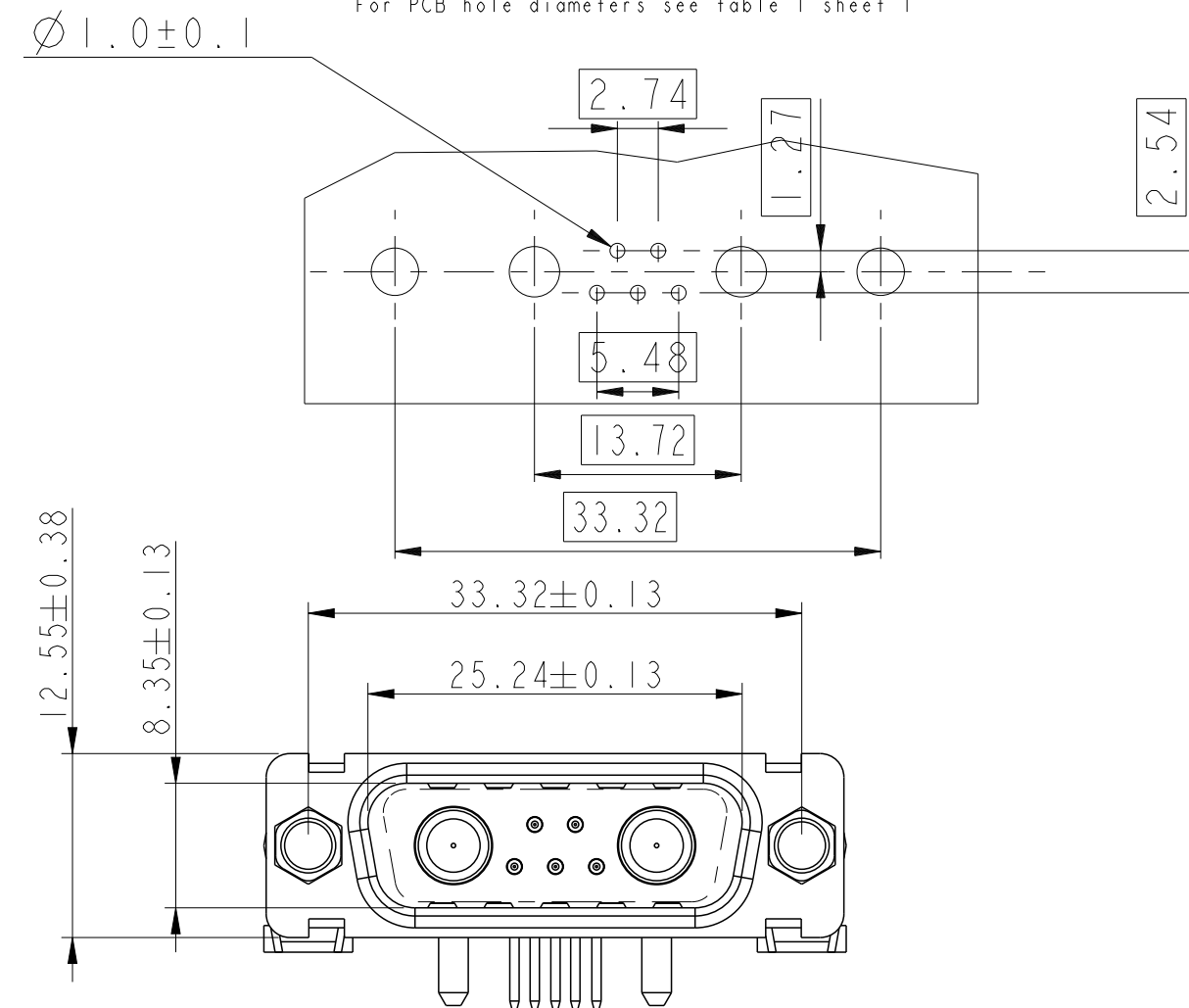
For PCB hole diameters see table I sheet I



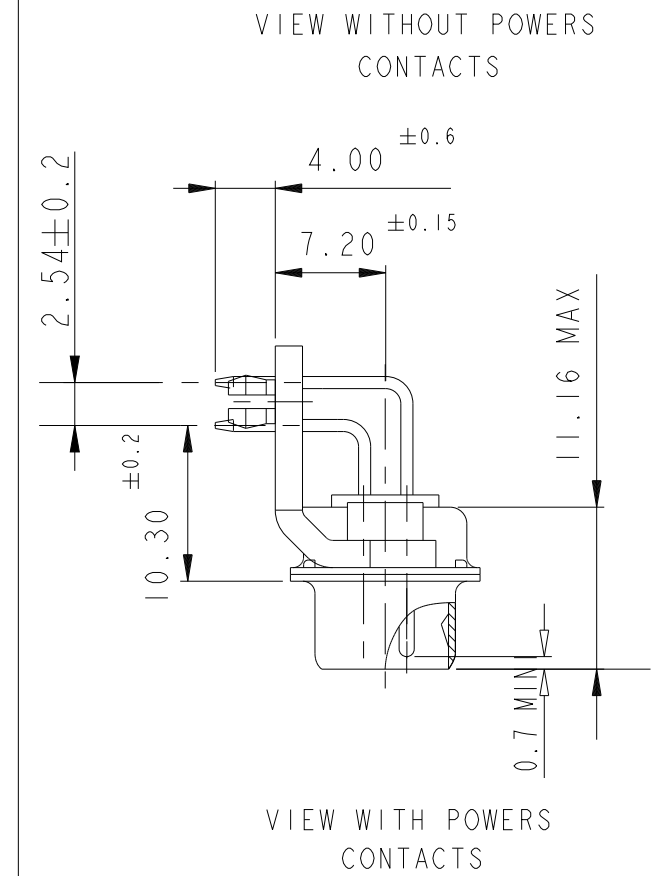
7W2

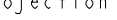
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table I sheet I



SIDE VIEW FOR ALL LAYOUTS



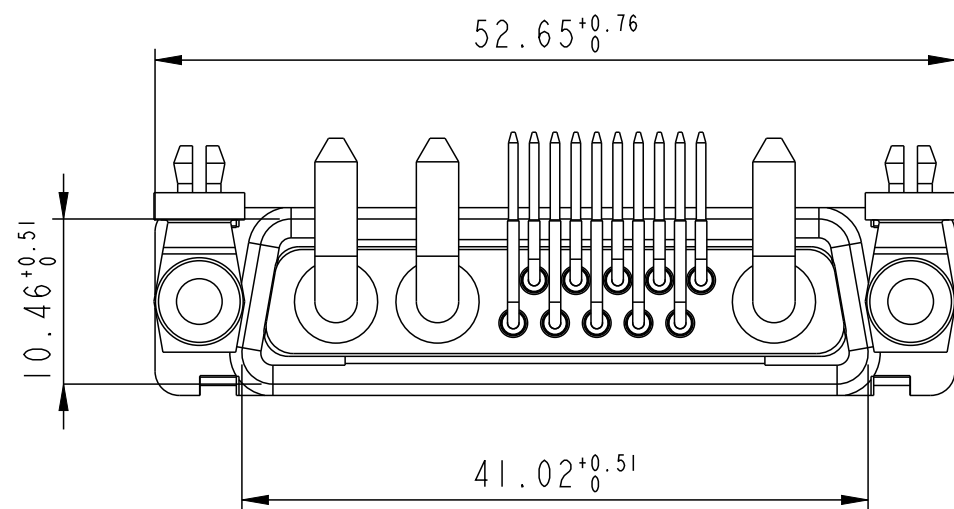
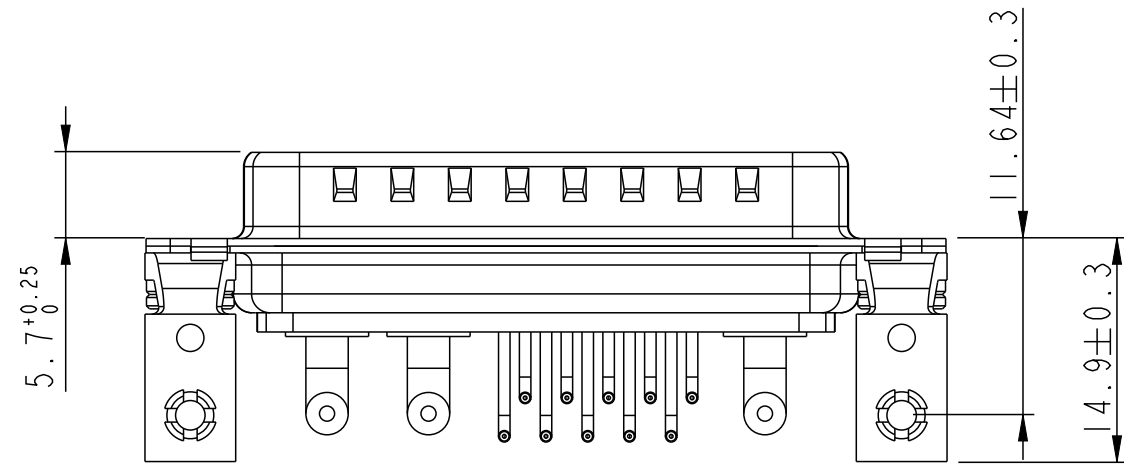
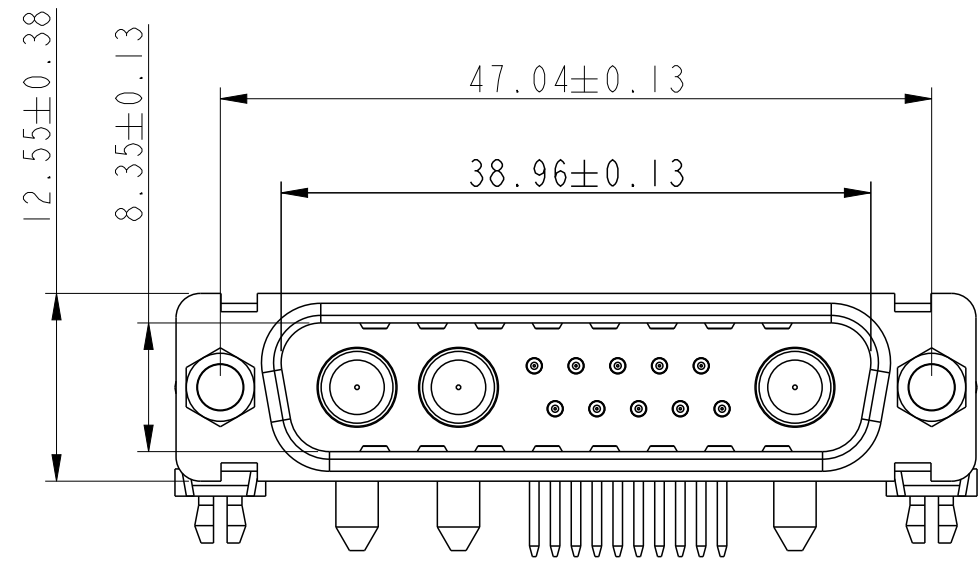
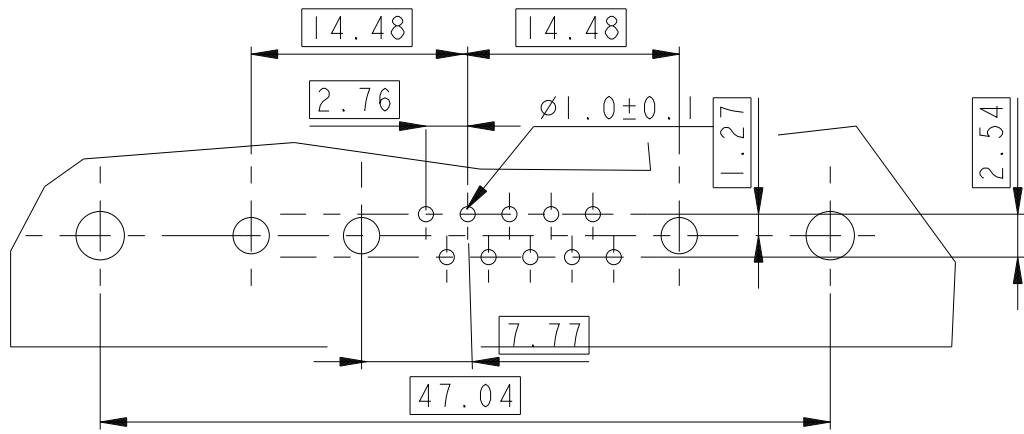
|                                                                                                                                         |  |                                                                                                                    |  |                |  |            |  |                                                                                                                                                                                                                                       |  |                        |  |                                                                |  |            |  |                |  |         |  |                |  |     |  |   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|----------------|--|------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|----------------------------------------------------------------|--|------------|--|----------------|--|---------|--|----------------|--|-----|--|---|--|
| spec ref                                                                                                                                |  | dr                                                                                                                 |  | 1, Product Eng |  | 2015/06/16 |  | <div>projection</div> <div></div> <div>mm</div> <div></div> |  | size                   |  | A2                                                             |  | scale      |  | 2:1            |  |         |  |                |  |     |  |   |  |
| tolerance std                                                                                                                           |  | eng                                                                                                                |  | Gregar Mathew  |  | 2019/11/11 |  |                                                                                                                                                                                                                                       |  | ecn no                 |  | ELX-133009-1                                                   |  | rel level  |  | Released       |  |         |  |                |  |     |  |   |  |
| ISO 1101<br>ISO 406                                                                                                                     |  | chr                                                                                                                |  | -              |  | -          |  |                                                                                                                                                                                                                                       |  | appr                   |  | Varma Sudhir                                                   |  | 2019/11/12 |  | product family |  | D SUB - |  |                |  |     |  |   |  |
| <div>surface</div> <div></div> <div>ISO 1302</div> |  | <div>linear</div> <div></div> |  | 0.X            |  | ±0.30      |  | <div>Amphenol</div> <div>FCi</div>                                                                                                                                                                                                    |  | title                  |  | SUB MALE DW EUROPE FOOT PRINT<br>MIXED POWER RIGHT ANGL SOLDER |  |            |  |                |  | dwg no  |  | C01-8639-2304c |  | rev |  | E |  |
|                                                                                                                                         |  |                                                                                                                    |  | 0.XX           |  | ±0.10      |  |                                                                                                                                                                                                                                       |  |                        |  |                                                                |  |            |  |                |  |         |  |                |  |     |  |   |  |
|                                                                                                                                         |  |                                                                                                                    |  | 0.XXX          |  | ±0.05      |  |                                                                                                                                                                                                                                       |  |                        |  |                                                                |  |            |  |                |  |         |  |                |  |     |  |   |  |
| angular                                                                                                                                 |  | 0°                                                                                                                 |  | ±2°            |  | cat. no.   |  | -                                                                                                                                                                                                                                     |  | Product - Customer Drw |  |                                                                |  |            |  | sheet 4 of 7   |  |         |  |                |  |     |  |   |  |

A  
B  
C  
D  
E  
F



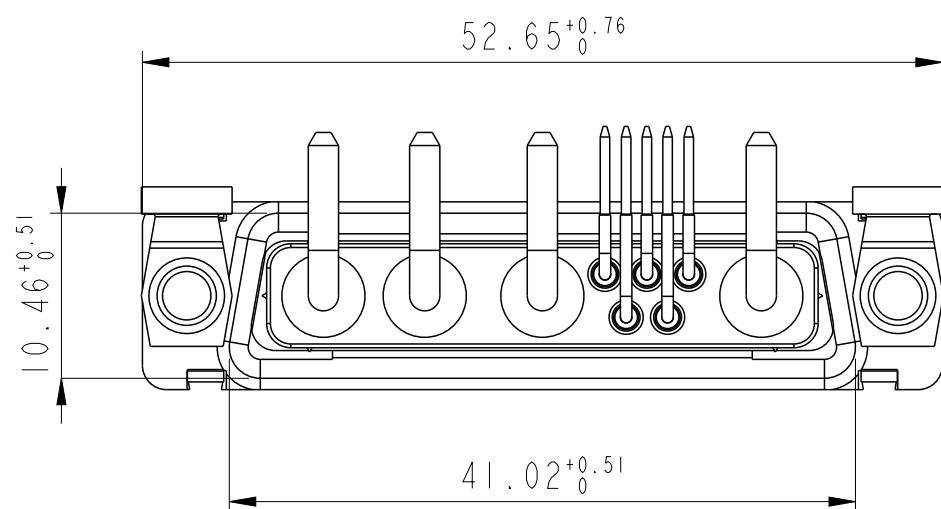
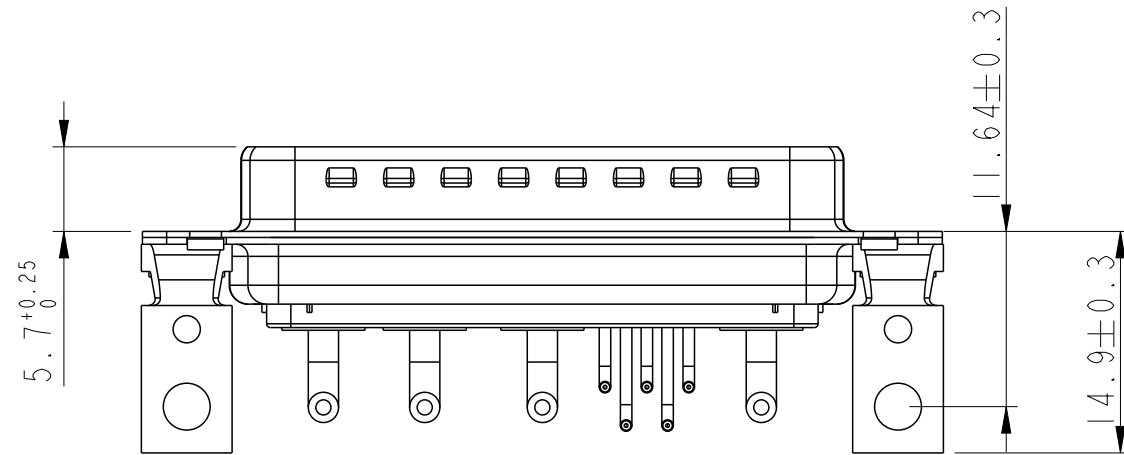
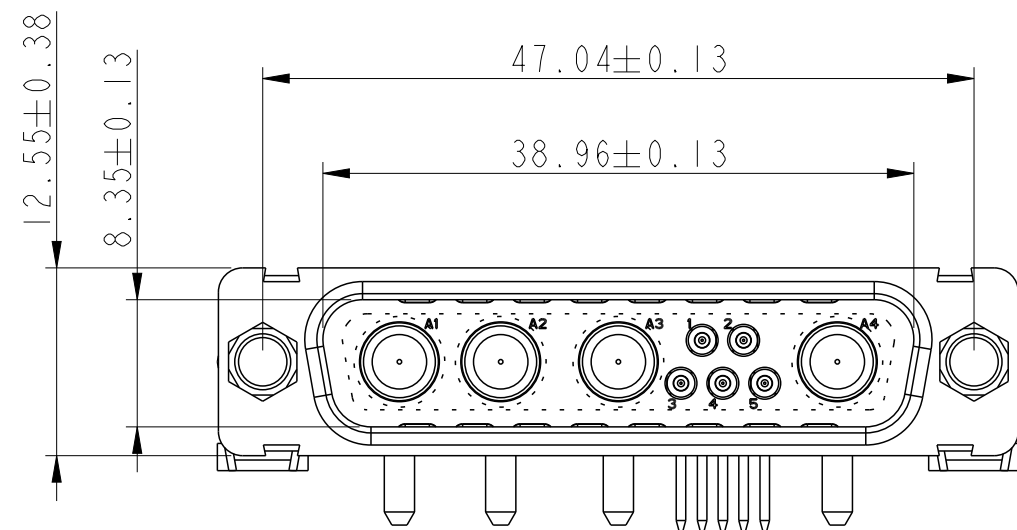
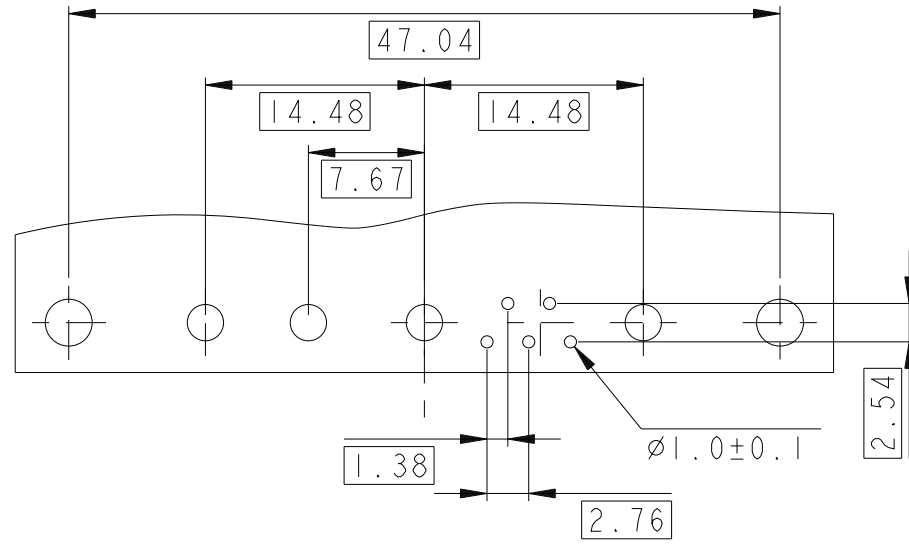
13W3

LAYOUT AND CONNECTOR DIMENSIONS  
For PCB hole diameters see table I sheet I



9W4

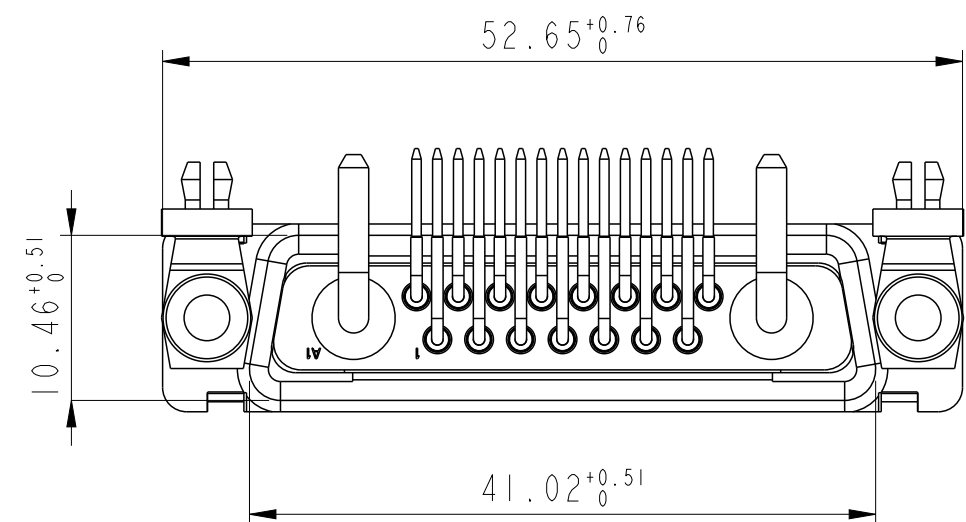
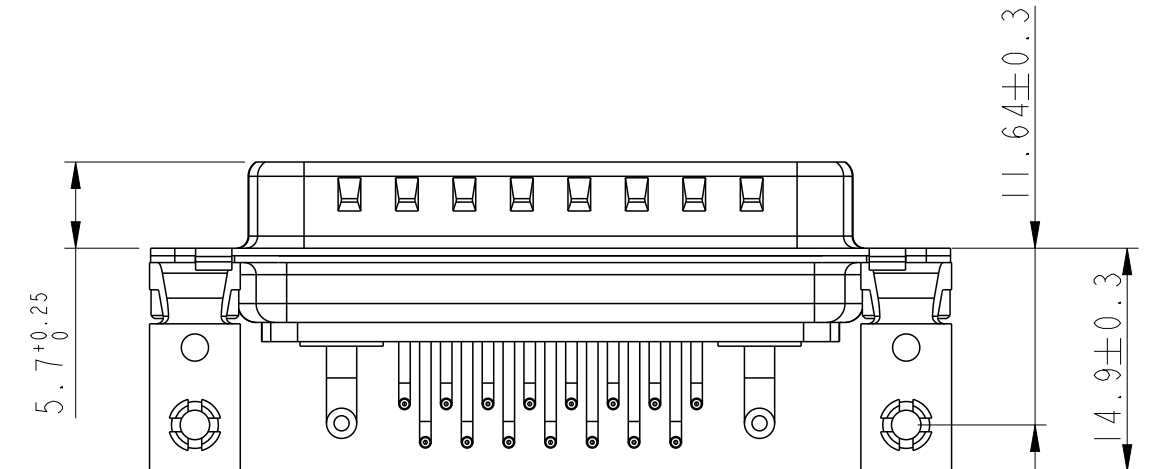
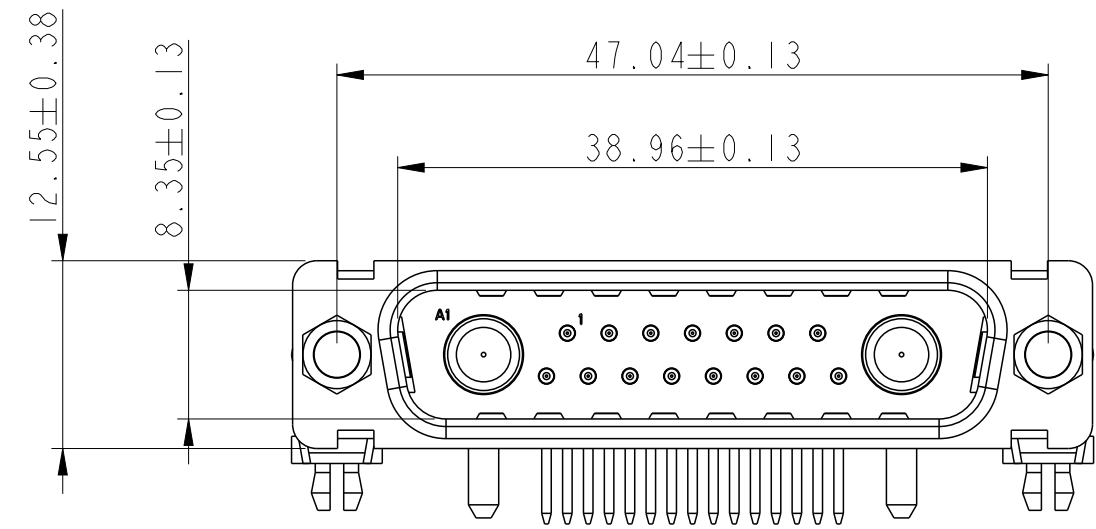
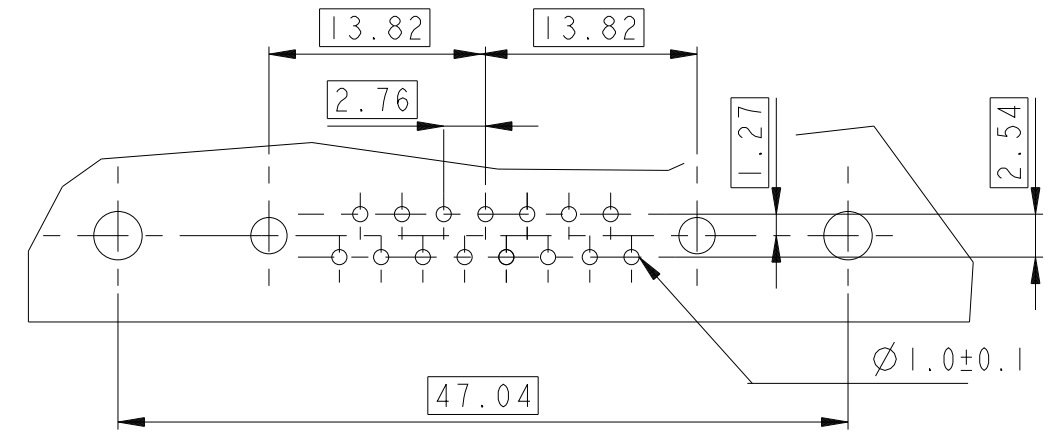
LAYOUT AND CONNECTOR DIMENSIONS  
For PCB hole diameters see table I sheet I



Floating signal contacts

17W2

LAYOUT AND CONNECTOR DIMENSIONS  
For PCB hole diameters see table I sheet I



|               |  |                                       |  |              |  |                |  |                               |  |            |  |                        |  |              |  |               |  |           |  |          |  |
|---------------|--|---------------------------------------|--|--------------|--|----------------|--|-------------------------------|--|------------|--|------------------------|--|--------------|--|---------------|--|-----------|--|----------|--|
| spec ref      |  |                                       |  | dr           |  | 1, Product Eng |  | 2015/06/16                    |  | projection |  | mm                     |  | size         |  | A2            |  | scale     |  | 2:1      |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng          |  | Gregar Mathew  |  | 2019/11/11                    |  |            |  |                        |  | ecn no       |  | ELX-1-33009-1 |  | rel level |  | Released |  |
| ISO 1101      |  |                                       |  | chr          |  | -              |  | -                             |  |            |  |                        |  |              |  |               |  |           |  |          |  |
| ISO 406       |  |                                       |  | appr         |  | Varma Sudhir   |  | 2019/11/12                    |  |            |  |                        |  |              |  |               |  |           |  |          |  |
| surface       |  | linear                                |  | Amphenol FCI |  | title          |  | SUB MALE DW EUROPE FOOT PRINT |  | dwg no     |  | C01-8639-2304c         |  | rev          |  | E             |  |           |  |          |  |
|               |  | 0.X                                   |  |              |  |                |  |                               |  |            |  |                        |  |              |  |               |  | ±0.30     |  |          |  |
|               |  | 0.XX                                  |  |              |  |                |  |                               |  |            |  |                        |  |              |  |               |  | ±0.10     |  |          |  |
| ISO 1302      |  | angular                               |  | 0°           |  | ±2°            |  | cat. no.                      |  | -          |  | Product - Customer Drw |  | sheet 5 of 7 |  |               |  |           |  |          |  |

# 21W1

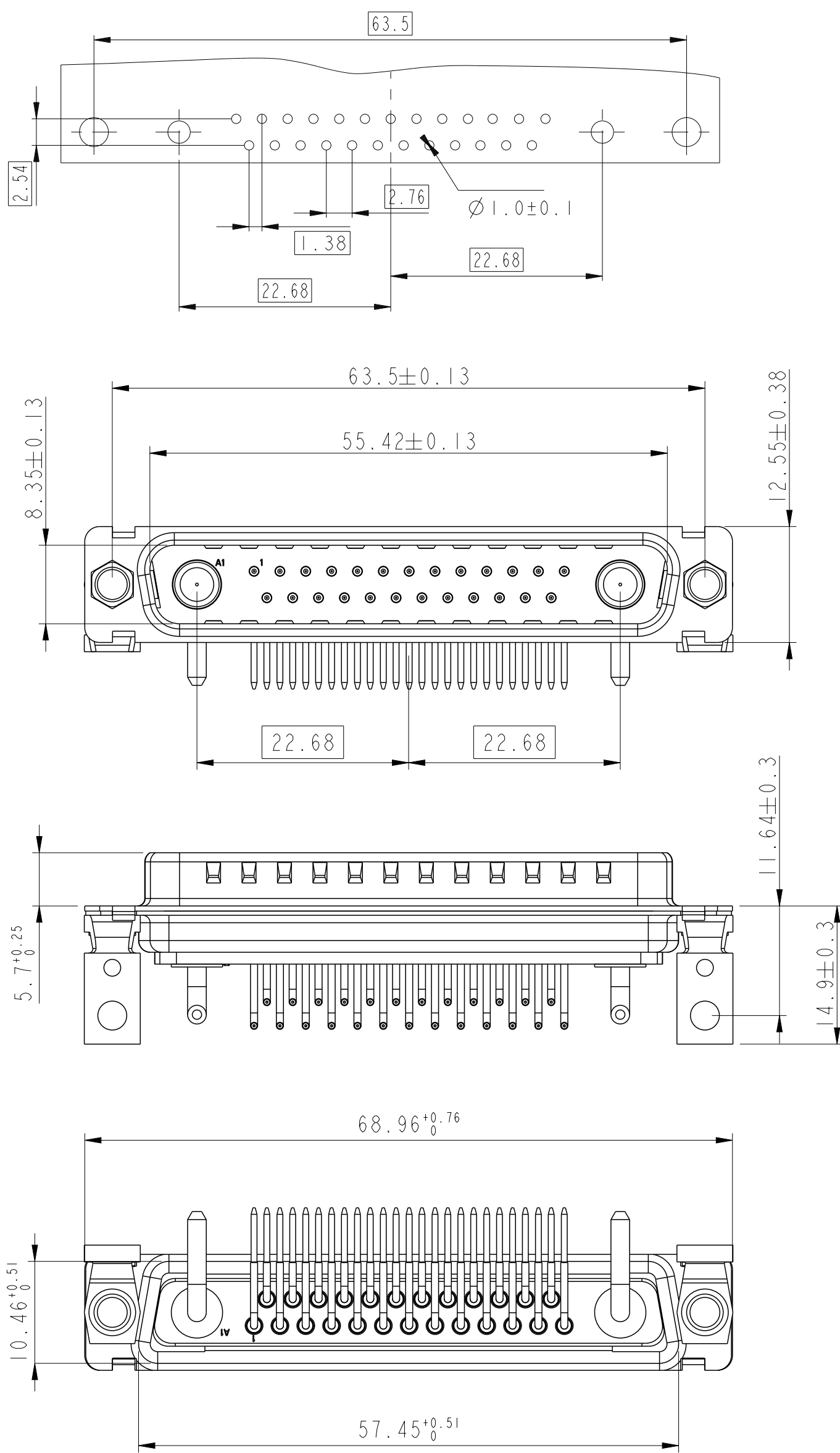
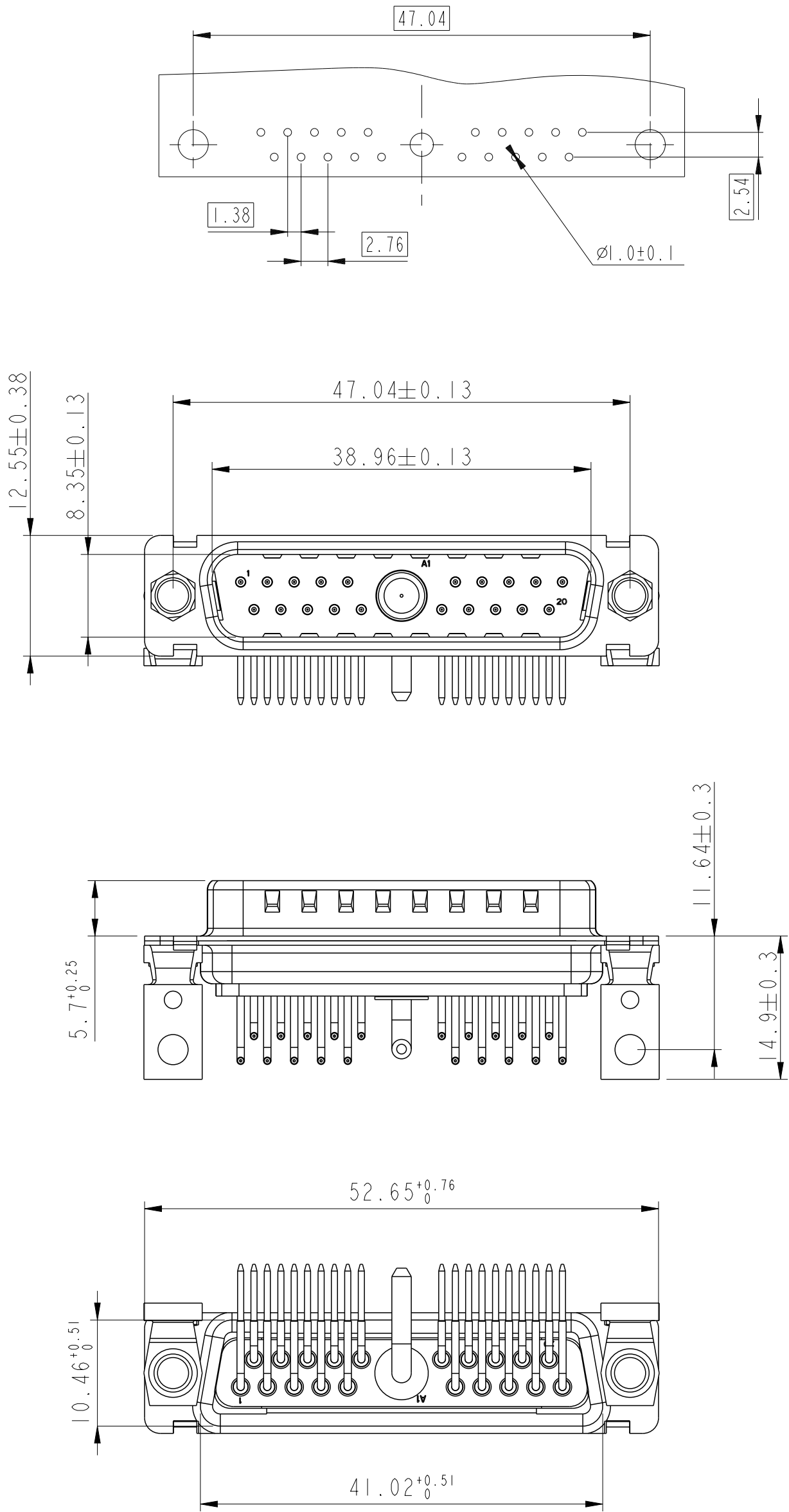
## LAYOUT AND CONNECTOR DIMENSIONS

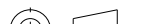
For PCB hole diameters see table I sheet I

# 27W2

## LAYOUT AND CONNECTOR DIMENSIONS

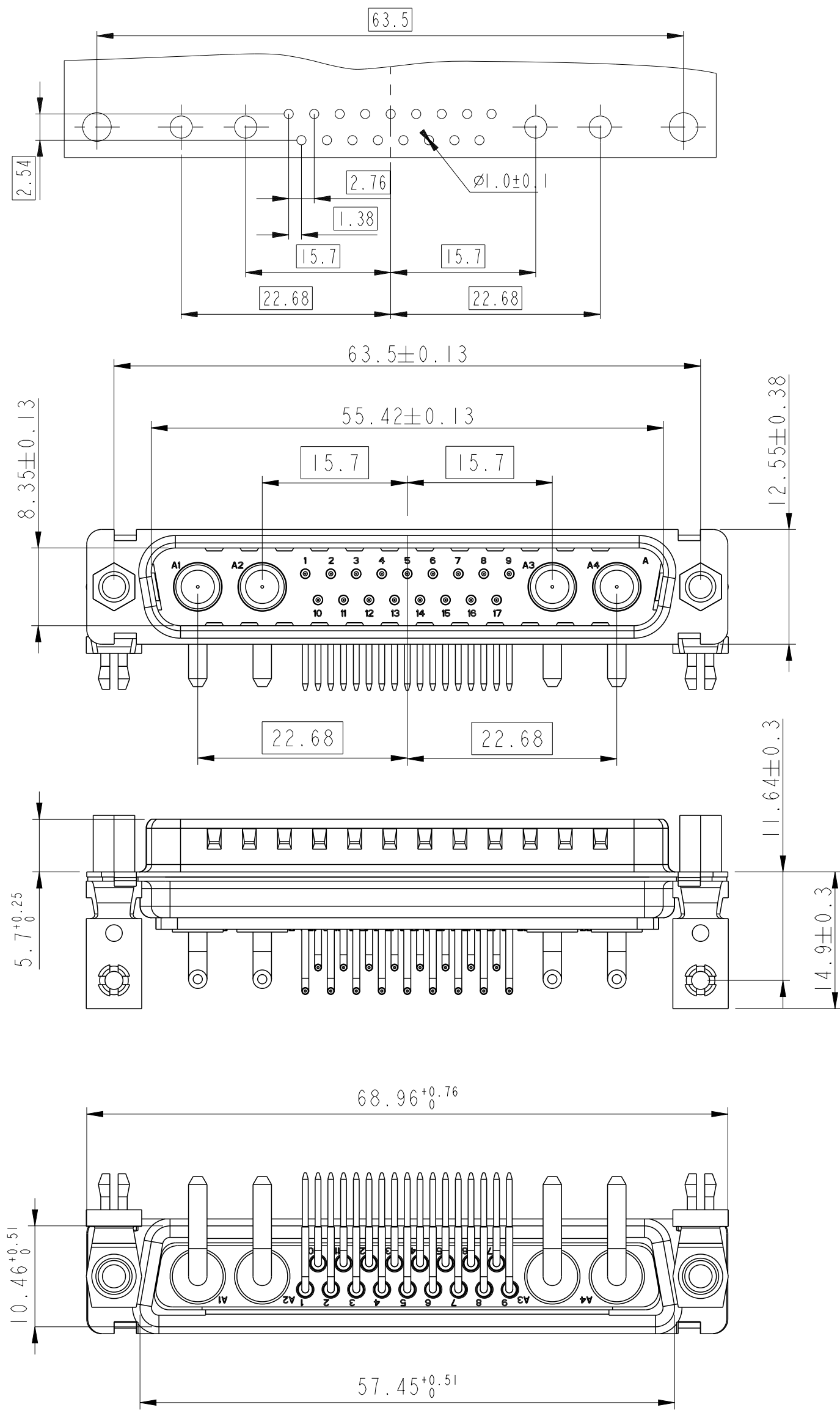
For PCB hole diameters see table I sheet I



|               |  |  |        |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                               |  |              |  |                |  |          |  |                |  |         |  |        |  |
|---------------|--|--|--------|--|----------------|--|------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-------------------------------|--|--------------|--|----------------|--|----------|--|----------------|--|---------|--|--------|--|
| spec ref      |  |  | dr     |  | 1. Product Eng |  | 2015/06/16 |  | projection                                                                            |  | mm                                                                                    |  | size                          |  | A2           |  | scale          |  | 2:1      |  |                |  |         |  |        |  |
| tolerance std |  |  | eng    |  | Gregar Mathew  |  | 2019/11/11 |  |  |  |  |  | ecn no                        |  | ELX-133009-1 |  | rel level      |  | Released |  |                |  |         |  |        |  |
| ISO 1101      |  |  | chr    |  | -              |  | -          |  |                                                                                       |  |                                                                                       |  |                               |  |              |  |                |  |          |  |                |  |         |  |        |  |
| ISO 406       |  |  | appr   |  | Varma Sudhir   |  | 2019/11/12 |  |                                                                                       |  |                                                                                       |  |                               |  |              |  |                |  |          |  | product family |  | D SUB-  |  |        |  |
| surface       |  |  | linear |  | 0.X            |  | ±0.30      |  | Amphenol<br>FCI                                                                       |  | title                                                                                 |  | SUB MALE DW EUROPE FOOT PRINT |  | dwg no       |  | C01-8639-2304c |  | rev      |  | E              |  |         |  |        |  |
|               |  |  |        |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                               |  |              |  |                |  |          |  |                |  | 0.XX    |  | ±0.10  |  |
|               |  |  |        |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                               |  |              |  |                |  |          |  |                |  | 0.XXX   |  | ±0.005 |  |
|               |  |  |        |  |                |  |            |  |                                                                                       |  |                                                                                       |  |                               |  |              |  |                |  |          |  |                |  | angular |  | 0°     |  |
| ISO 1302      |  |  |        |  |                |  |            |  | cat. no.                                                                              |  | -                                                                                     |  | Product - Customer Drw        |  | sheet 6 of 7 |  |                |  |          |  |                |  |         |  |        |  |

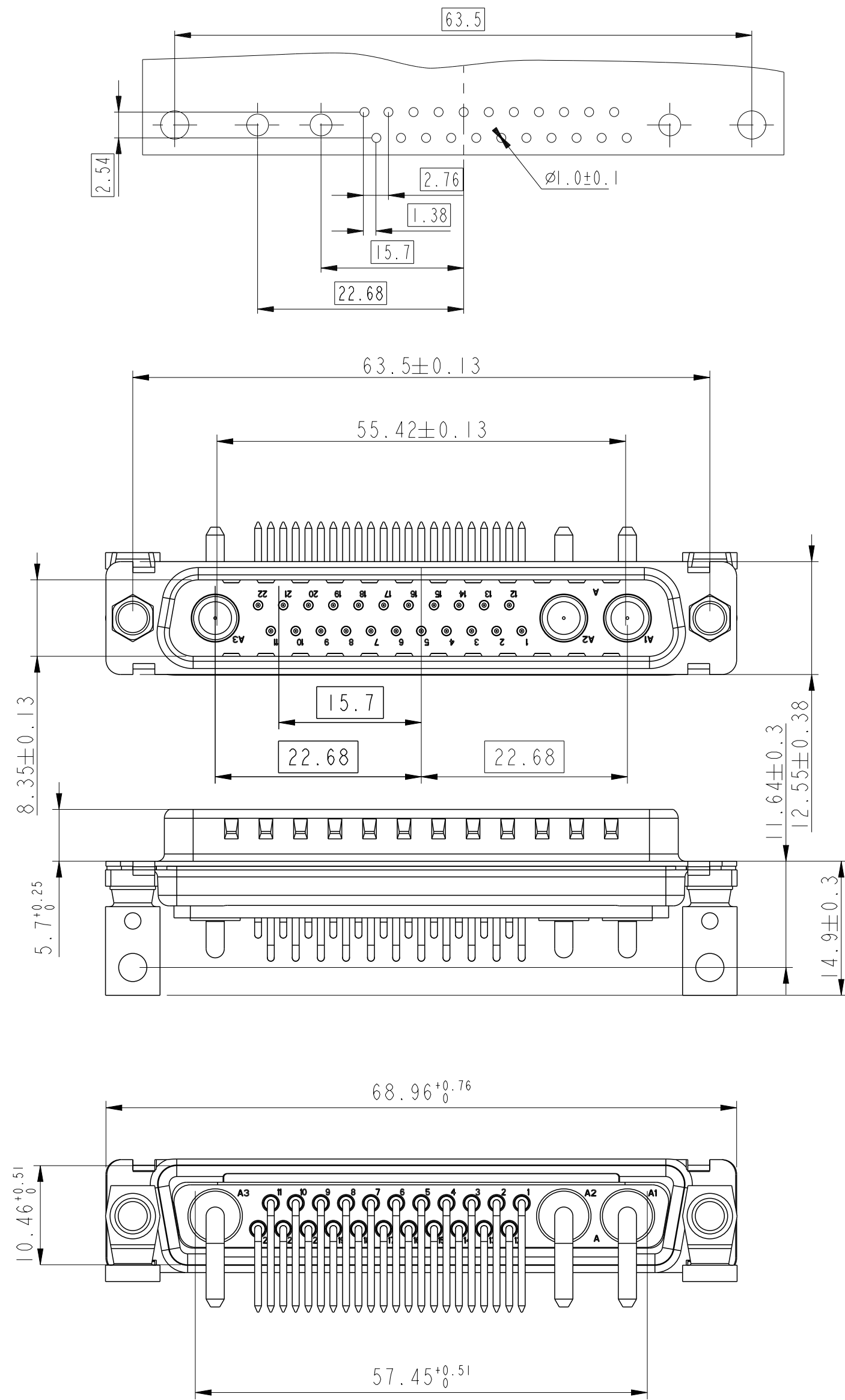
# 21WA4

LAYOUT AND CONNECTOR DIMENSIONS  
For PCB hole diameters see table I sheet I



# 25W3

LAYOUT AND CONNECTOR DIMENSIONS  
For PCB hole diameters see table I sheet I



|               |  |         |  |                 |  |            |  |                                                                                       |  |      |  |                        |  |                |  |              |  |
|---------------|--|---------|--|-----------------|--|------------|--|---------------------------------------------------------------------------------------|--|------|--|------------------------|--|----------------|--|--------------|--|
| spec ref      |  | dr      |  | 1, Product Eng  |  | 2015/06/16 |  | projection                                                                            |  | size |  | scale                  |  |                |  |              |  |
| tolerance std |  | eng     |  | Gregar Mathew   |  | 2019/11/11 |  |  |  | A2   |  | 2:1                    |  |                |  |              |  |
| ISO 1101      |  | chr     |  | -               |  | -          |  |                                                                                       |  | mm   |  | ech no                 |  | ELX-133009-1   |  |              |  |
| ISO 406       |  | appr    |  | Varma Sudhir    |  | 2019/11/12 |  | product family                                                                        |  | -    |  | rel level              |  | Released       |  |              |  |
| surface       |  | linear  |  | Amphenol<br>FCi |  | title      |  | SUB MALE DW EUROPE FOOT PRINT                                                         |  |      |  | dwg no                 |  | C01-8639-2304c |  | rev          |  |
|               |  | 0.X     |  |                 |  | ±0.30      |  | MIXED POWER RIGHT ANGL SOLDER                                                         |  |      |  |                        |  |                |  | E            |  |
|               |  | 0.XX    |  |                 |  | ±0.10      |  |                                                                                       |  |      |  |                        |  |                |  |              |  |
|               |  | 0.XXX   |  | ±0.05           |  |            |  |                                                                                       |  |      |  |                        |  |                |  |              |  |
| ISO 1302      |  | angular |  | 0°              |  | ±2°        |  | cat. no.                                                                              |  | -    |  | Product - Customer Drw |  |                |  | sheet 7 of 7 |  |