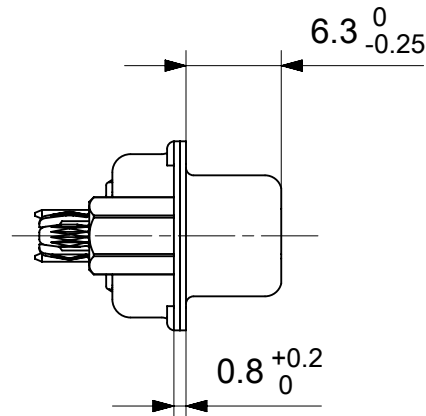
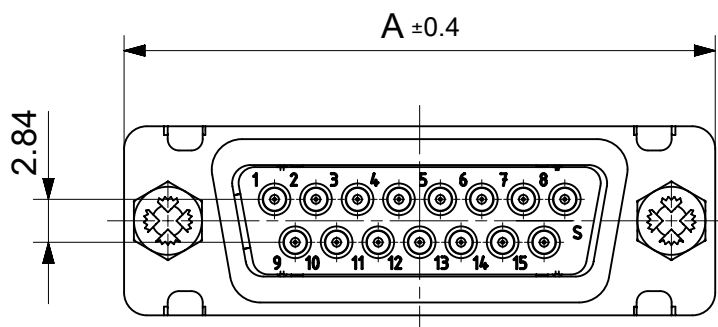
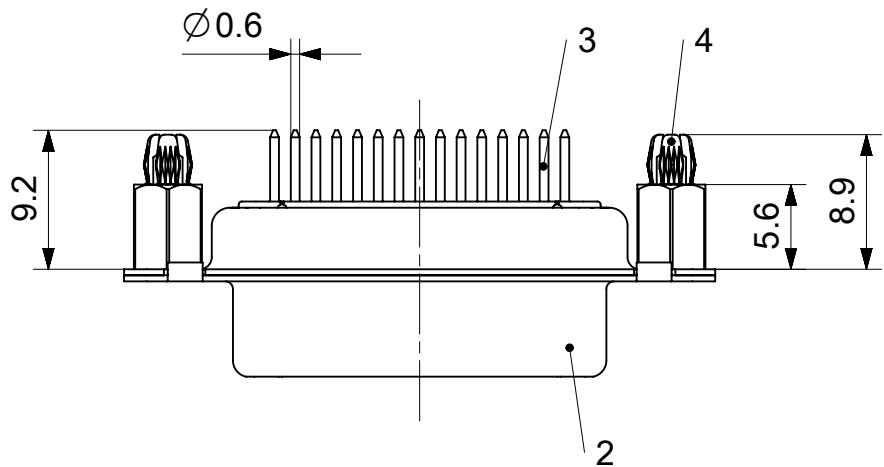
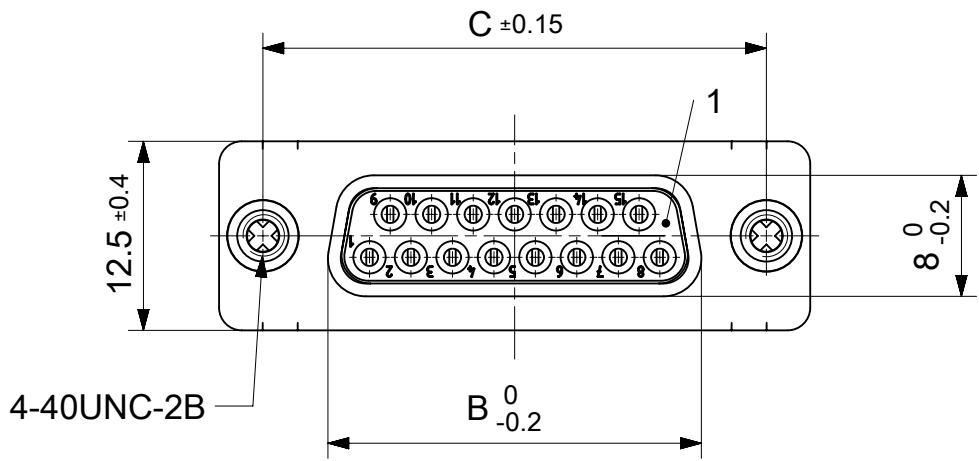




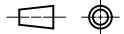
RoHS compliant  
by exemption

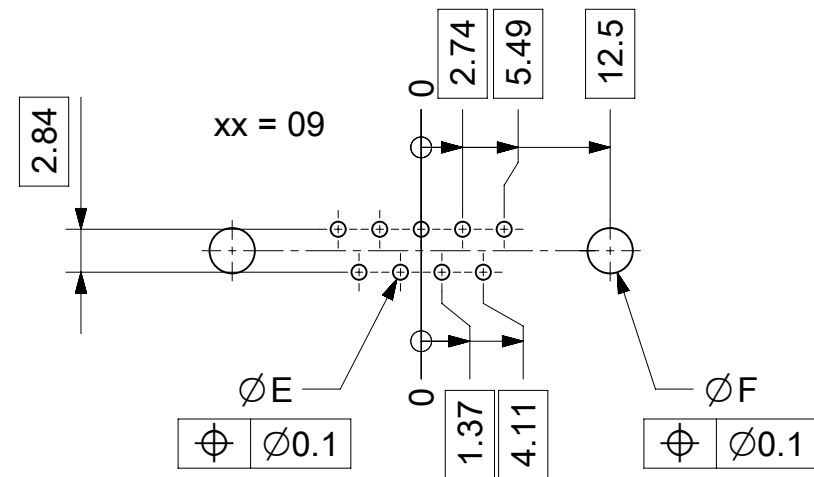
FCT Part number:  
Fxx\*1)S24y\*2)-0981  
e.g. F15S24G1-0981  
\*1) xx No. of contacts 09, 15, 25 or 37  
\*2) y for performance classes 1, 2 or 3  
(contact cycle for G1/G2/G3 = 500/200/50)

| Material Number | xx*1) | y*2) | A[mm] | B[mm] | C[mm] | *E[mm] | *F[mm] |
|-----------------|-------|------|-------|-------|-------|--------|--------|
| -               | 09    | -    | 30.8  | 16.4  | 25    | Ø1     | Ø3     |
| 1731092047      | 15    | G1   | 39.1  | 24.7  | 33.3  |        |        |
| 1731090798      | 25    | G2   | 53    | 38.5  | 47.04 |        |        |
| -               | 37    | -    | 69.3  | 54.9  | 63.5  |        |        |

\*PCB hole patterns ØE, ØF see document 2195600023

|     |     |                |                                    |                                 |
|-----|-----|----------------|------------------------------------|---------------------------------|
| 4   | 2   | Snap-in bolt   | PCB 1.6mm / Brass                  | tin plated                      |
| 3   | xx  | Signal contact | S24 / Brass                        | G1/G2                           |
| 2   | 1   | Shell          | Steel                              | tin plated                      |
| 1   | 1   | Insulator      | PBT (-55°C to +125°C) acc. UL94V-0 | white                           |
| No. | Pc. | Part           | Type Description/Material          | Surface plating/<br>Color/Class |

|                                                                                       |                                                                                                                                               |            |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|--|-----------|----------|-----------------|----------|----------|--|--------------|--|
| MEASUREMENTS WITHOUT TOLERANCE ACC TO ISO 2768-m                                      |                                                                                                                                               |            |                               |  | REPLACEMENT FOR DOCUMENT NUMBER: FxxS24Gy-0981                                                                                                                                                                  |     |         |  |           |          |                 |          |          |  |              |  |
| FUNCTIONAL SYMBOLS<br><br>E A = 0<br><br>E = 0<br><br>E = 0<br><br>DIVISIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
|                                                                                       | DIMENSION UNITS                                                                                                                               |            | SCALE                         |  | CURRENT REV DESC:<br><br>EC NO: 705230<br>DRWN: SKANDB<br>CHK'D: MTEUBEL<br>APPR: MTEUBEL<br><br>EC NO: 705230<br>DRWN: SKANDB<br>CHK'D: MTEUBEL<br>APPR: MTEUBEL<br><br>2021/11/23<br>2022/05/09<br>2022/05/09 |     |         |  |           |          |                 |          |          |  |              |  |
|                                                                                       | mm                                                                                                                                            |            | 2:1                           |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
|                                                                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |            |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
|                                                                                       | ANGULAR TOL    ±    °                                                                                                                         |            |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
|                                                                                       | 4 PLACES    ±                                                                                                                                 |            |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
|                                                                                       | 3 PLACES    ±                                                                                                                                 |            | FCT D-SUB MINIATURE CONNECTOR |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
|                                                                                       | 2 PLACES    ±                                                                                                                                 |            |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
|                                                                                       | 1 PLACE    ±                                                                                                                                  |            |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
|                                                                                       | 0 PLACES    ±                                                                                                                                 |            |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
| INITIAL REVISION:                                                                     |                                                                                                                                               |            |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
| DRWN: SKANDB                                                                          |                                                                                                                                               | 2021/11/23 |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
| APPR: MTEUBEL                                                                         |                                                                                                                                               | 2022/05/09 |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
| 2022/05/09                                                                            |                                                                                                                                               | 2022/05/09 |                               |  |                                                                                                                                                                                                                 |     |         |  |           |          |                 |          |          |  |              |  |
| PRODUCT CUSTOMER DRAWING                                                              |                                                                                                                                               |            |                               |  | DOCUMENT NUMBER                                                                                                                                                                                                 |     |         |  |           | DOC TYPE | DOC PART        | REVISION |          |  |              |  |
| 1731092047                                                                            |                                                                                                                                               |            |                               |  | PSD                                                                                                                                                                                                             | 000 | A       |  |           |          |                 |          |          |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                            |                                                                                                                                               |            |                               |  | FIRST ANGLE PROJECTION                                                                                                                                                                                          |     | DRAWING |  | SERIES    |          | MATERIAL NUMBER |          | CUSTOMER |  | SHEET NUMBER |  |
|  |                                                                                                                                               |            |                               |  | A3-SIZE                                                                                                                                                                                                         |     | 173109  |  | SEE TABLE |          | GENERAL MARKET  |          | 1 OF 1   |  |              |  |



øE, øF see data sheet incl. connector  
øF connectors with accessories only

|                                                  |                                                                                                                                               |                                       |       |  |                                         |                                                                                             |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------|--|-----------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------|--------|--------|-------------------|-----------------|----------------|----------|--------|--------------|
| MEASUREMENTS WITHOUT TOLERANCE ACC TO ISO 2768-m |                                                                                                                                               |                                       |       |  | REPLACEMENT FOR DOCUMENT NUMBER: AM0023 |                                                                                             |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
| FUNCTIONAL SYMBOLS                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |       |  |                                         | <div>molex</div> <div>FCT PCB HOLE PATTERN STRAIGHT CONTACT<br/>NO. OF CONTACTS 09-37</div> |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
|                                                  | DIMENSION UNITS                                                                                                                               |                                       | SCALE |  |                                         |                                                                                             |                                                                                                            |         |        |        | CURRENT REV DESC: |                 |                |          |        |              |
|                                                  | mm                                                                                                                                            |                                       | 2:1   |  |                                         |                                                                                             |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
|                                                  | <div>F<sub>A</sub></div> = 0                                                                                                                  | GENERAL TOLERANCES (UNLESS SPECIFIED) |       |  |                                         |                                                                                             | EC NO: 713905<br>DRWN: SKANDB<br>CHK'D: MTEUBEL<br>APPR: MTEUBEL<br>2022/05/16<br>2022/07/12<br>2022/07/12 |         |        |        |                   |                 |                |          |        |              |
| <div>F<sub>E</sub></div> = 0                     |                                                                                                                                               |                                       |       |  |                                         |                                                                                             |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
| <div>F<sub>P</sub></div> = 0                     |                                                                                                                                               |                                       |       |  |                                         |                                                                                             |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
| ANGULAR TOL    ±    °                            |                                                                                                                                               |                                       |       |  |                                         |                                                                                             |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
| DIVISIONAL SYMBOLS                               | 4 PLACES                                                                                                                                      |                                       | ±     |  |                                         | PRODUCT CUSTOMER DRAWING                                                                    |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
|                                                  | 3 PLACES                                                                                                                                      |                                       | ±     |  |                                         |                                                                                             |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
|                                                  | 2 PLACES                                                                                                                                      |                                       | ±     |  |                                         | DOCUMENT NUMBER<br>2195600023<br>DOC TYPE<br>PSD<br>DOC PART<br>000<br>REVISION<br>A        |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
|                                                  | 1 PLACE                                                                                                                                       |                                       | ±     |  |                                         |                                                                                             |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
|                                                  | 0 PLACES                                                                                                                                      |                                       | ±     |  |                                         |                                                                                             |                                                                                                            |         |        |        |                   |                 |                |          |        |              |
|                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |                                       |       |  |                                         | FIRST ANGLE PROJECTION                                                                      |                                                                                                            | DRAWING |        | SERIES |                   | MATERIAL NUMBER |                | CUSTOMER |        | SHEET NUMBER |
|                                                  |                                                                                                                                               |                                       |       |  | <div></div>                             |                                                                                             | A3-SIZE                                                                                                    |         | 219560 |        | 219560            |                 | GENERAL MARKET |          | 1 OF 1 |              |