

|        |     |     |     |     |
|--------|-----|-----|-----|-----|
| 0000A1 | 1.0 | 1.0 | 1.0 | 1.0 |
|--------|-----|-----|-----|-----|

MARKINGS :

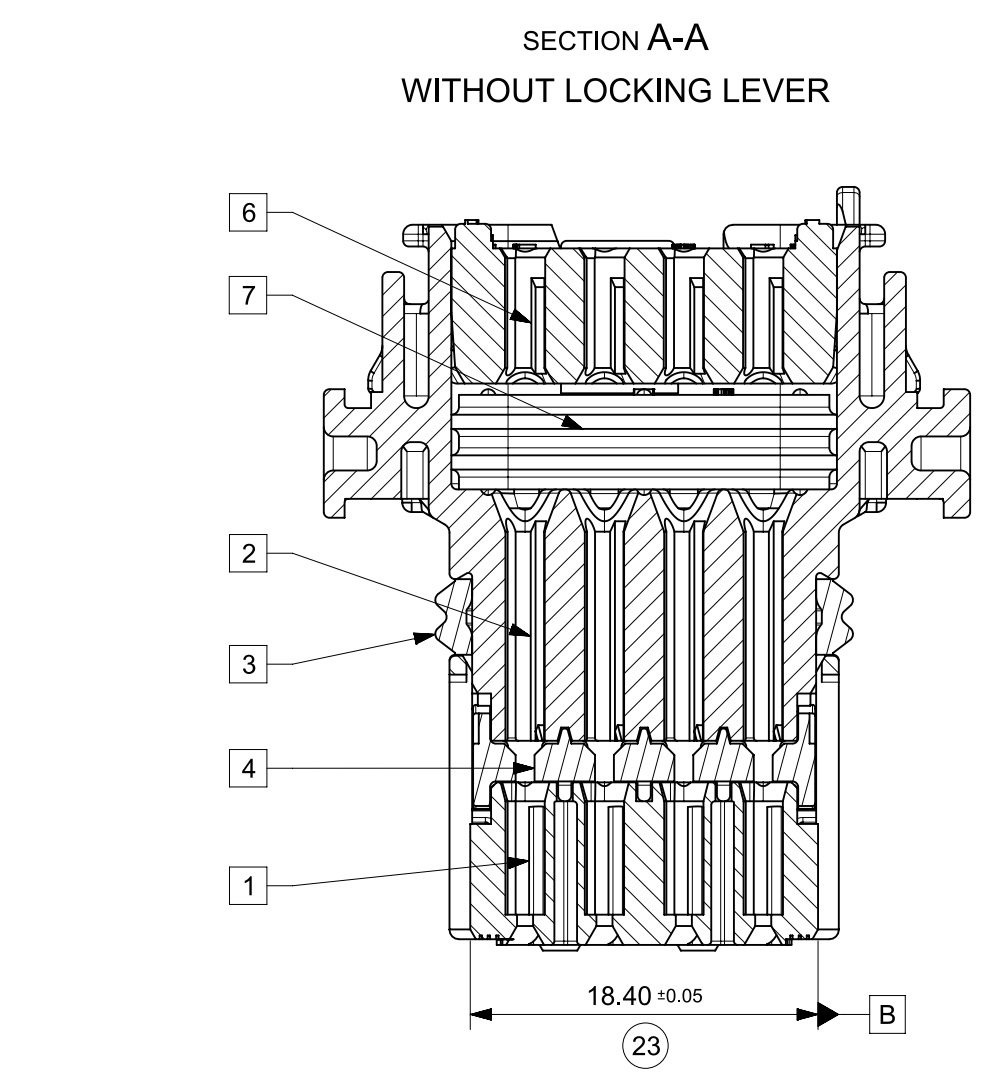
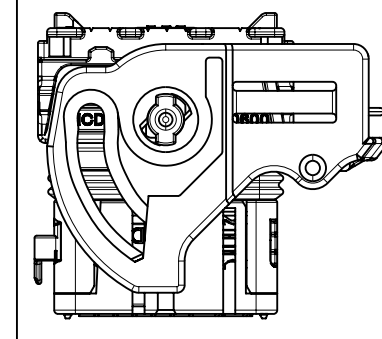
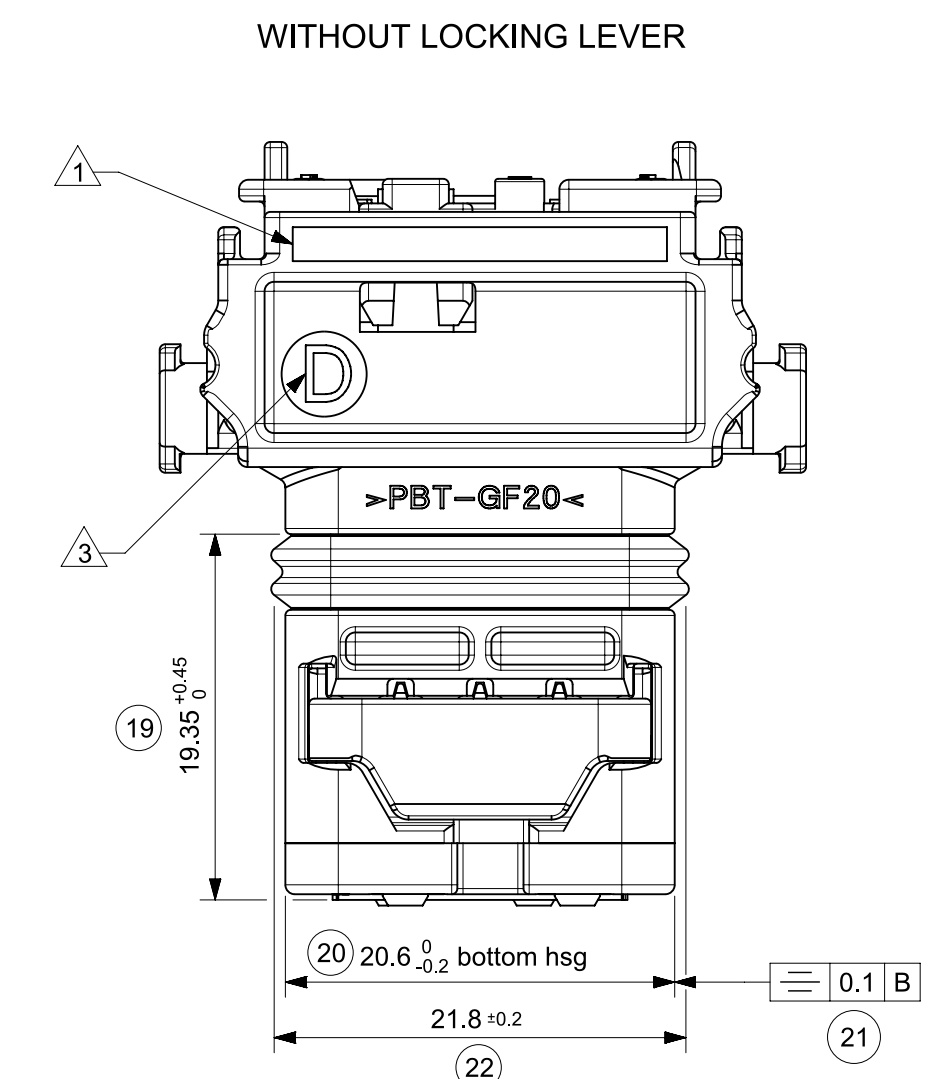
1 - Asses  
Year

2 - Termi

3 - Lever  
"D" L  
"G" L

4 - Suppl

5 - Mater



| LEFT WIRE OUTPUT   |       |
|--------------------|-------|
| MATERIAL<br>NUMBER | COLOR |
| 0643191211         | BLACK |
| 0643191218         | GREY  |
| 0643191219         | BROWN |
| 0643191216         | BLUE  |

| RIGHT WIRE OUTPUT |       |
|-------------------|-------|
| MATERIAL NUMBER   | COLOR |
| 0643193211        | BLACK |
| 0643193218        | GREY  |
| 0643193219        | BROWN |
| 0643193216        | BLUE  |

1-FOR ILLUSTRATION PURPOSE THE FEMALE HOUSING SHOWN IS THE RIGHT WIRE OUTPUT VERSION CODING 1

3-WIRES EXTERNAL DIAMETER USED:  
FOR CP0.6 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN Ø1.25MM MIN AND Ø1.90MM MAX  
FOR CP1.5 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN Ø1.40MM MIN AND Ø2.80MM MAX

5-BLIND PLUG FOR CP 0.6 AND 1.5 CAVITIES (MOLEX P/N 0643251010 AND 0643251023) MUST BE USED ON THIS PART

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|                                                            |                |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
|------------------------------------------------------------|----------------|----------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------|--|----------|----------|----------|--------------|--|-----|-----|----|-----------------|----------|--|--------------|--|-----------|----------------|--|--------|--|
| DIMENSION UNITS                                            |                | SCALE    |              | <div>CURRENT REV DESC: Removed the marking "H" on the ISL.</div> <div>molex</div> <div>CMC CONNECTOR 32 WAY<br/>MAT SEAL VERSION</div> <div>PRODUCT CUSTOMER DRAWING</div> <table><tr><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="2">SD-64319-001</td><td>PSD</td><td>001</td><td>J3</td></tr><tr><td>MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td colspan="2">SHEET NUMBER</td></tr><tr><td>SEE TABLE</td><td colspan="2">GENERAL MARKET</td><td colspan="2">1 OF 2</td></tr></table> |  |  |  | DOCUMENT NUMBER |  | DOC TYPE | DOC PART | REVISION | SD-64319-001 |  | PSD | 001 | J3 | MATERIAL NUMBER | CUSTOMER |  | SHEET NUMBER |  | SEE TABLE | GENERAL MARKET |  | 1 OF 2 |  |
| DOCUMENT NUMBER                                            |                | DOC TYPE | DOC PART     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  | REVISION        |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| SD-64319-001                                               |                | PSD      | 001          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  | J3              |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| MATERIAL NUMBER                                            | CUSTOMER       |          | SHEET NUMBER |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| SEE TABLE                                                  | GENERAL MARKET |          | 1 OF 2       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| MM                                                         | 2.5:1          |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| ANGULAR TOL                                                | ± 2'           |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| 4 PLACES                                                   | ± 0.10000      |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| 3 PLACES                                                   | ± 0.1000       |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| 2 PLACES                                                   | ± 0.100        |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| 1 PLACE                                                    | ± 0.10         |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| 0 PLACES                                                   | ±              |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |          |          |          |              |  |     |     |    |                 |          |  |              |  |           |                |  |        |  |

|                                                                                       |            |        |  |
|---------------------------------------------------------------------------------------|------------|--------|--|
| STATUS: Production                                                                    |            |        |  |
| DRWN: Mahesh KP                                                                       | 2024-11-05 |        |  |
| CHK'D: Prashant Manjunath Achari                                                      | 2024-12-06 |        |  |
| APPR: SANDEEP S SIMHAN                                                                | 2024-12-06 |        |  |
| FIRST ANGLE PROJECTION                                                                | DRAWING    | SERIES |  |
|  | A1-SIZE    | 64319  |  |

[illegible]

Technical drawing of the front view of the device. The drawing shows a rectangular unit with a central panel featuring eight rows of components labeled A through H. Dimensions are indicated by arrows and circles:

- Top Section:**
  - Dimension C (overall width)
  - Dimension B  $\begin{matrix} +0.1 \\ 0 \end{matrix}$
  - Callout (31) pointing to dimension A  $\begin{matrix} +0.1 \\ 0 \end{matrix}$
  - Callout (32) pointing to dimension E  $\begin{matrix} +0.1 \\ 0 \end{matrix}$
  - Callout (30) pointing to dimension E  $\begin{matrix} +0.1 \\ 0 \end{matrix}$
- Central Panel:**
  - Labels A, B, C, D, E, F, G, H across the top row.
  - Labels A, B, C, D, E, F, G, H across the bottom row.
  - Numbered callouts 1, 2, 3, 4 pointing to specific components or features.
  - Label X at the bottom right corner.
- Bottom Section:**
  - Dimension D  $\begin{matrix} +0.1 \\ 0 \end{matrix}$
  - Callout (27) pointing to dimension E  $\begin{matrix} +0.1 \\ 0 \end{matrix}$
  - Callout (29) pointing to dimension E  $\begin{matrix} +0.1 \\ 0 \end{matrix}$
  - Callout (26) pointing to dimension C  $\begin{matrix} +0.15 \\ 0 \end{matrix}$
  - Callout (28) pointing to dimension C
  - Dimension C (overall width)

Technical drawing of a mechanical component, likely a pump or motor housing. The drawing shows a complex assembly with various ports, a handle, and a label 'ABCD EFG' on the left side. The component has a central circular opening with a cross-shaped internal structure. The label 'ABCD EFG' is oriented vertically on the left. The drawing is a line art representation of a 3D object.

35.25 MAX

42

47.00 MAX

43

15.35 MAX

44

| COLOR | CODING | A   | B   | C   | D   | E   |
|-------|--------|-----|-----|-----|-----|-----|
| BLACK | 1      | 9.2 | 4.4 | 6   | 4.4 | 1.6 |
| GREY  | 2      | 7.6 | 6   | 9.2 | 6   | 1.6 |
| BROWN | 3      | 6   | 7.6 | 9.2 | 9.2 | 1.6 |
| BLUE  | 5      | 4.4 | 7.6 | 6   | 6   | 1.6 |

| TERMINALS USED                                                       |                                |             |            |                                         |
|----------------------------------------------------------------------|--------------------------------|-------------|------------|-----------------------------------------|
| CAVITY N°                                                            | FEMALE TERMINALS (Section mm2) | PLATING     | MOLEX P/N  | min / MAX WIRE INSULATION DIAMETER (mm) |
| A1 to A4<br>B1 to B4<br>C1 to C4<br>D1 to D4<br>E1 to E4<br>F1 to F4 | CP 0,6<br>0.35mm2              | Tin plated  | 0643221019 | Ø1.25 min / Ø1.40 Max                   |
|                                                                      |                                | Gold plated | 0643221229 |                                         |
|                                                                      | CP 0,6<br>0.5mm2               | Tin plated  | 0643221039 | Ø1.40 min / Ø1.70 Max                   |
|                                                                      |                                | Gold plated | 0643221239 |                                         |
|                                                                      | CP 0,6<br>0.75mm2              | Tin plated  | 0643221029 | Ø1.60 min / Ø1.90 Max                   |
|                                                                      |                                | Gold plated | 0643221219 |                                         |
| G1 to G4<br>H1 to H4                                                 | CP 1,5<br>0.5mm2 to 1mm2       | Tin plated  | 0643231029 | Ø1.40 min / Ø2.15 Max                   |
|                                                                      |                                | Gold plated | 0643231319 |                                         |
|                                                                      | CP 1,5<br>>1mm2 to 2mm2        | Tin plated  | 0643231039 | Ø2.10 min / Ø2.80 Max                   |
|                                                                      |                                | Gold plated | 0643231219 |                                         |

|                                                                                                                                               |  |                                                             |  |                                                                                                     |  |                 |                                                                       |                              |          |                            |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|-----------------|-----------------------------------------------------------------------|------------------------------|----------|----------------------------|------------------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                             |  |                                                                                                     |  |                 |                                                                       |                              |          |                            |                        |
| DIMENSION UNITS<br>MM                                                                                                                         |  | SCALE<br>2.5:1                                              |  | CURRENT REV DESC: Removed the marking "H" on the ISL.                                               |  |                 | <div>molex</div> <div>CMC CONNECTOR 32 WAY<br/>MAT SEAL VERSION</div> |                              |          |                            |                        |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |                                                             |  |                                                                                                     |  |                 |                                                                       |                              |          |                            |                        |
| ANGULAR TOL    ±     2°                                                                                                                       |  |                                                             |  |                                                                                                     |  |                 |                                                                       |                              |          |                            |                        |
| 4 PLACES                                                                                                                                      |  | ± 0.10000                                                   |  |                                                                                                     |  |                 |                                                                       |                              |          |                            |                        |
| 3 PLACES                                                                                                                                      |  | ± 0.1000                                                    |  |                                                                                                     |  |                 |                                                                       |                              |          |                            |                        |
| 2 PLACES                                                                                                                                      |  | ± 0.100                                                     |  |                                                                                                     |  |                 |                                                                       |                              |          |                            |                        |
| 1 PLACE                                                                                                                                       |  | ± 0.10                                                      |  | STATUS: Production<br>DRWN: Mahesh KP<br>CHK'D: Prashant Manjunath Achari<br>APPR: SANDEEP S SIMHAN |  |                 | PRODUCT CUSTOMER DRAWING                                              |                              |          |                            |                        |
| 0 PLACES                                                                                                                                      |  | ±                                                           |  |                                                                                                     |  |                 | DOCUMENT NUMBER                                                       |                              | DOC TYPE | DOC PART                   | REVISION               |
|                                                                                                                                               |  |                                                             |  |                                                                                                     |  |                 | SD-64319-001                                                          |                              | PSD      | 001                        | J3                     |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  | FIRST ANGLE PROJECTION<br><div><div></div><div></div></div> |  | DRAWING<br>A1-SIZE                                                                                  |  | SERIES<br>64319 |                                                                       | MATERIAL NUMBER<br>SEE TABLE |          | CUSTOMER<br>GENERAL MARKET | SHEET NUMBER<br>2 OF 2 |