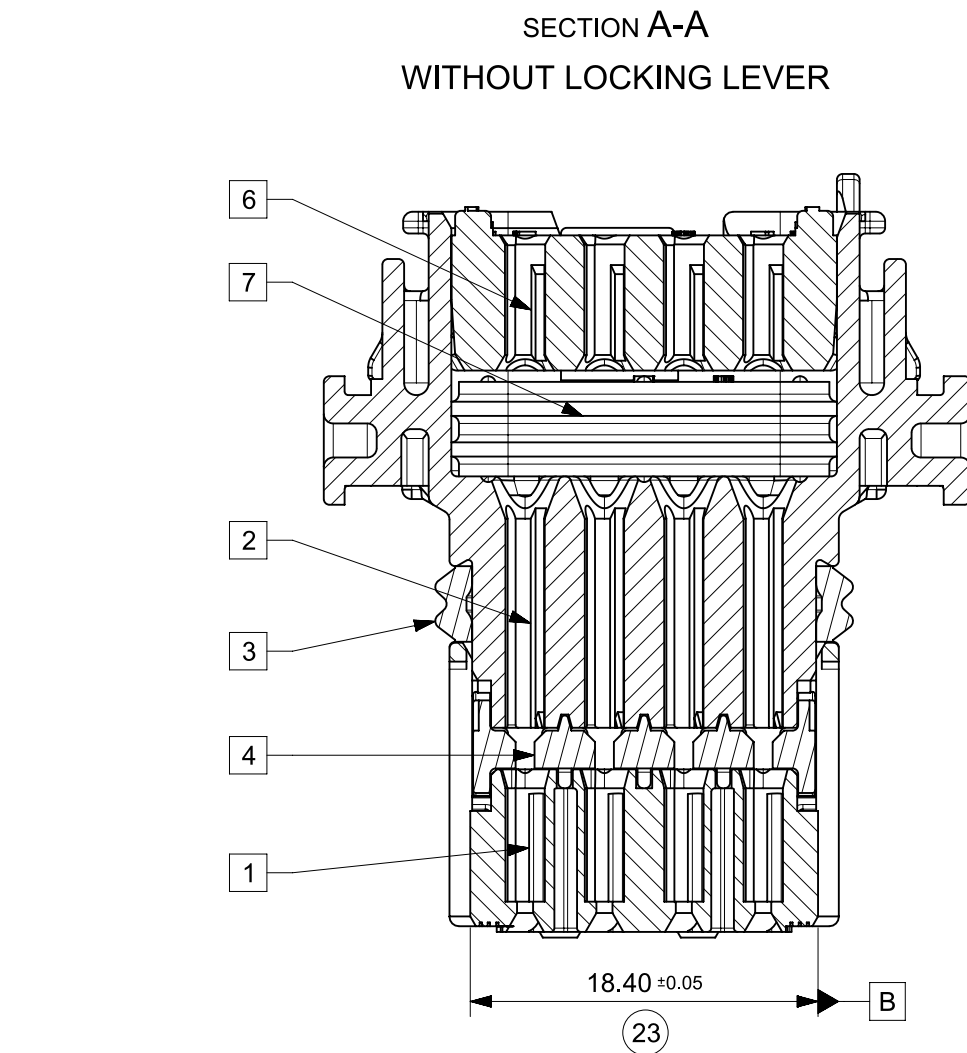
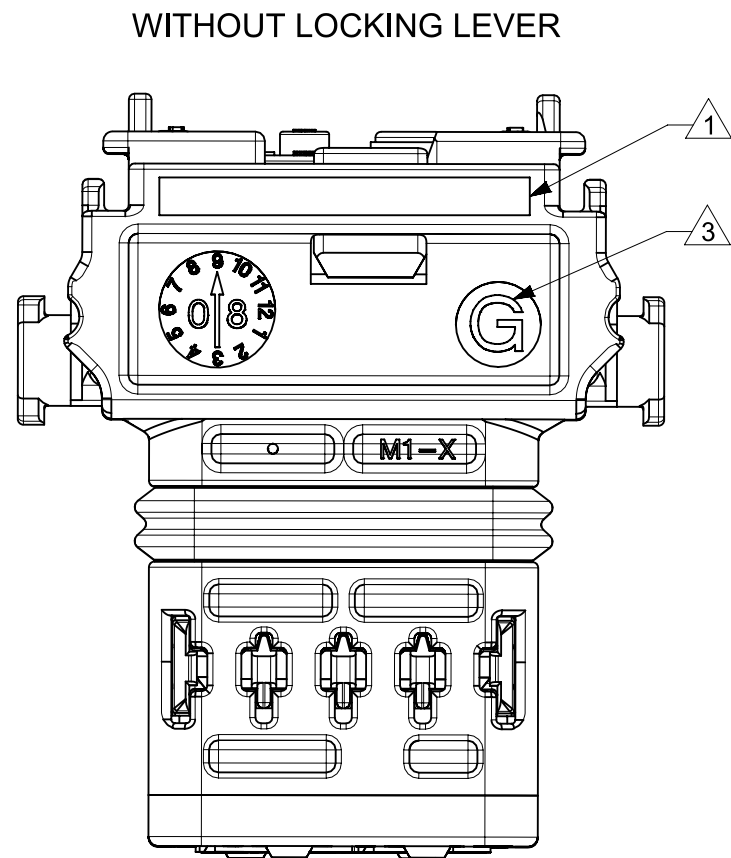
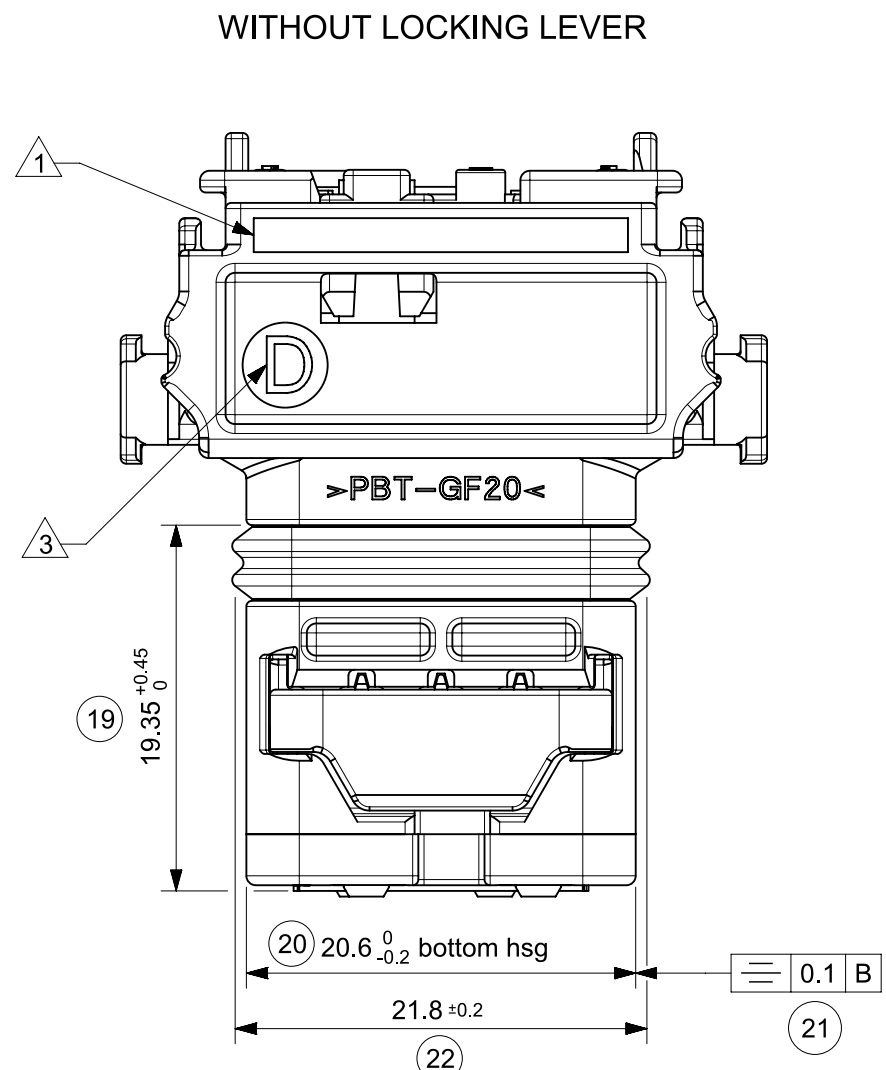
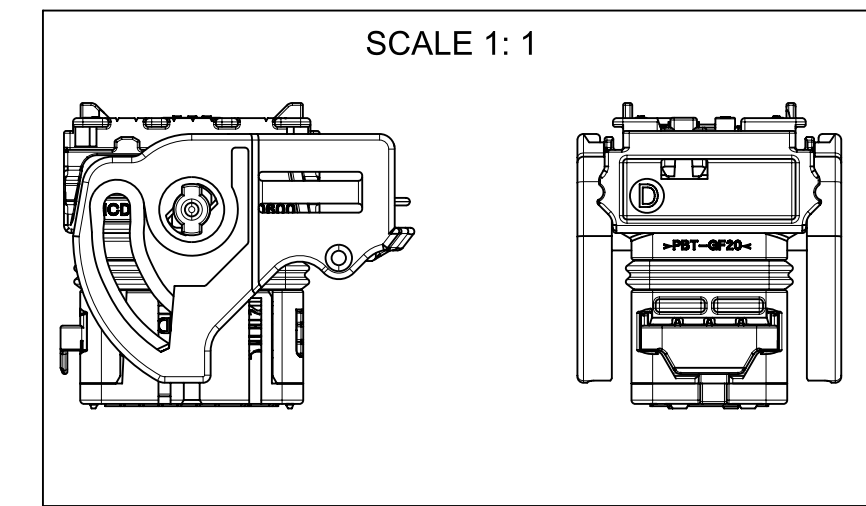
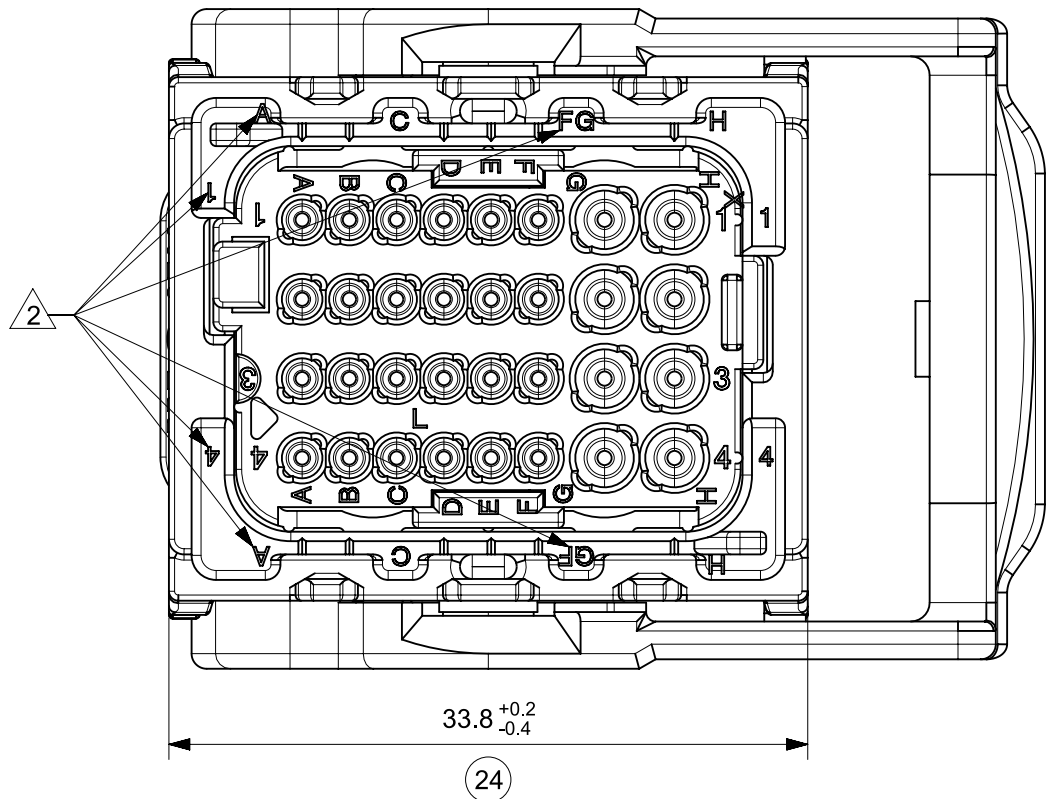
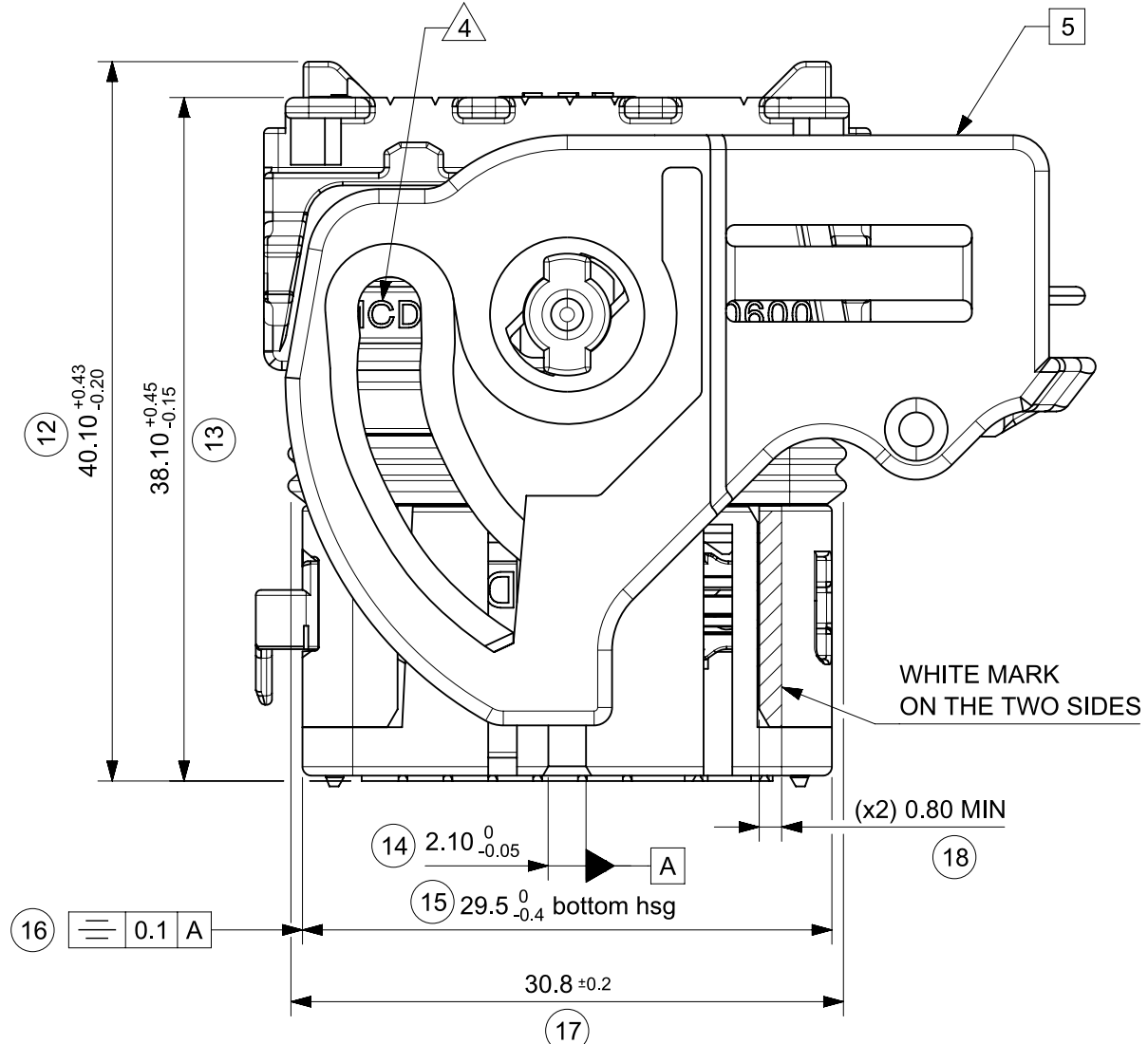
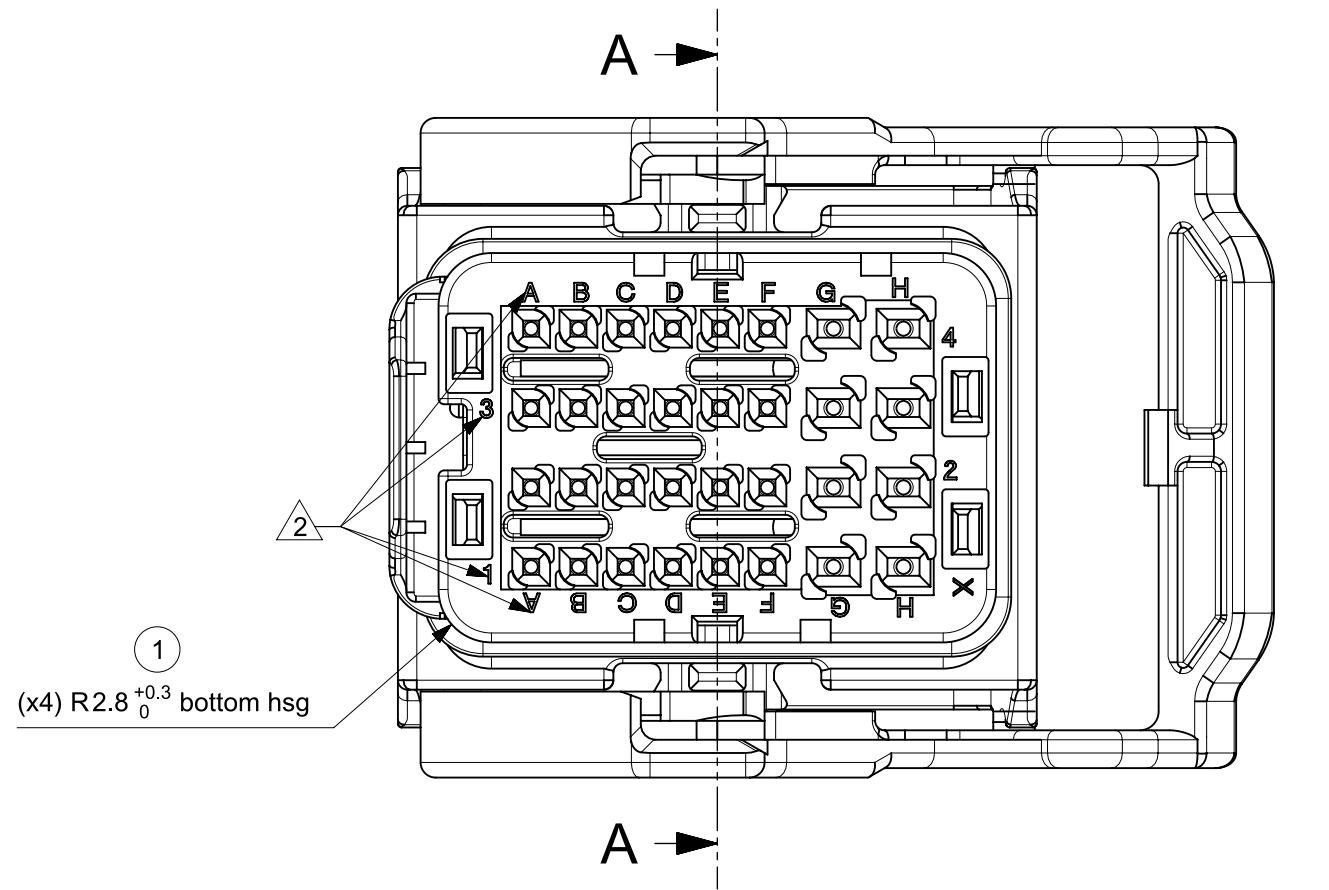
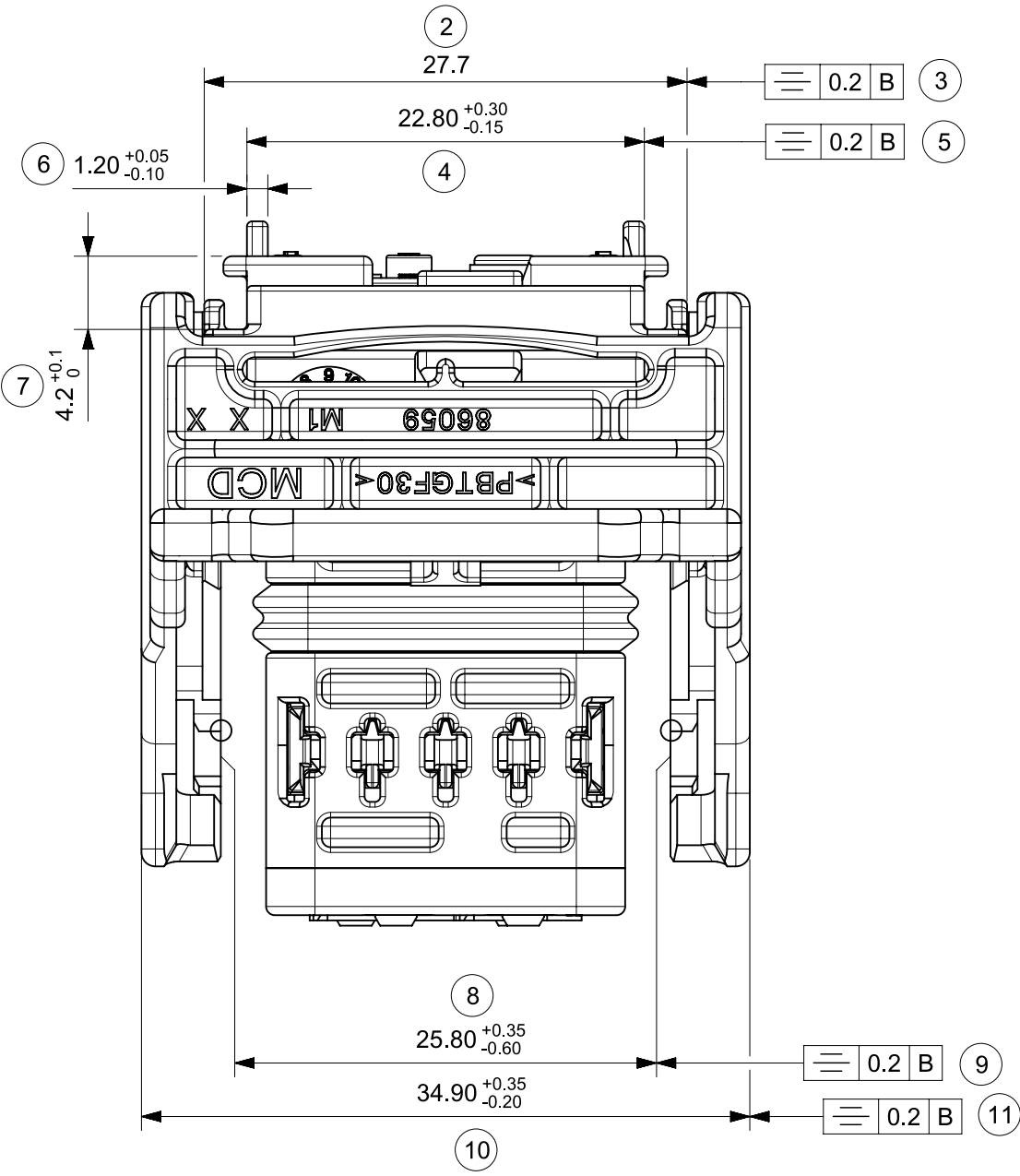


|      |                     |            |                        |
|------|---------------------|------------|------------------------|
| 7    | MAT SEAL            | Silicon    | RED                    |
| 6    | BACK GRID 32W       | >PBT-GF20< | GREY                   |
| 5    | LOCKING LEVER 32W   | >PBT-GF30< | BLACK                  |
| 4    | SECONDARY LOCK      | >PBT-GF20< | GREEN                  |
| 3    | PERIPHERAL SEAL 32W | Silicon    | BLUE                   |
| 2    | BACK PART           | >PBT-GF20< | BLACK                  |
| 1    | FRONT PART          | >PBT-GF20< | COLOR LINKED TO KEYING |
| POS. | DESIGNATION         | MATERIAL   | COLOR                  |

|            |                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------|
| MARKINGS : |                                                                                                                    |
|            | - Assembled part traceability:<br>Year + Day                                                                       |
|            | - Terminal cavities identification                                                                                 |
|            | - Lever position indicator:<br>"D" LETTER VISIBLE = "RIGHT WIRE OUTPUT"<br>"G" LETTER VISIBLE = "LEFT WIRE OUTPUT" |
|            | - Supplier identification                                                                                          |
|            | - Material identification                                                                                          |



- NOTES:
- 1-FOR ILLUSTRATION PURPOSE THE FEMALE HOUSING SHOWN IS THE RIGHT WIRE OUTPUT VERSION CODING 1
- 2-APPLICATION SPECIFICATION: AS-64319-002
- 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
- 4-THE CONNECTOR FITS WITH WIRE CAP (32 WAY) MOLEX P/N 0643191201
- 5-BLIND PLUG FOR CP 0.6 AND 1.5 CAVITIES (MOLEX P/N 0643251010 AND 0643251023) MUST BE USED ON THIS PART
- 6-DELIVERED PRODUCT WEIGHT: 27.6 g

|                                                                                                                                               |  |           |  |                                                                                                                                      |  |                |  |                                                                       |  |         |  |        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|--|--------------------------------------------------------------------------------------------------------------------------------------|--|----------------|--|-----------------------------------------------------------------------|--|---------|--|--------|--|
| 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: Removed the marking "H" on the ISL.                                                                                |  |                |  | <div>molex</div> <div>CMC CONNECTOR 32 WAY<br/>MAT SEAL VERSION</div> |  |         |  |        |  |
| MM                                                                                                                                            |  | 2.5:1     |  |                                                                                                                                      |  |                |  |                                                                       |  |         |  |        |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |           |  |                                                                                                                                      |  |                |  |                                                                       |  |         |  |        |  |
| ANGULAR TOL ± 2°                                                                                                                              |  |           |  |                                                                                                                                      |  |                |  |                                                                       |  |         |  |        |  |
| 4 PLACES                                                                                                                                      |  | ± 0.10000 |  |                                                                                                                                      |  |                |  |                                                                       |  |         |  |        |  |
| 3 PLACES                                                                                                                                      |  | ± 0.1000  |  |                                                                                                                                      |  |                |  |                                                                       |  |         |  |        |  |
| 2 PLACES                                                                                                                                      |  | ± 0.100   |  |                                                                                                                                      |  |                |  |                                                                       |  |         |  |        |  |
| 1 PLACE                                                                                                                                       |  | ± 0.10    |  |                                                                                                                                      |  |                |  |                                                                       |  |         |  |        |  |
| 0 PLACES                                                                                                                                      |  | ±         |  | STATUS: Production<br>DRWN: Mahesh KP 2024-11-05<br>CHK'D: Prashant Manjunath Achari 2024-12-06<br>APPR: SANDEEP S SIMHAN 2024-12-06 |  |                |  | PRODUCT CUSTOMER DRAWING                                              |  |         |  |        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |           |  |                                                                                                                                      |  |                |  | FIRST ANGLE PROJECTION                                                |  | DRAWING |  | SERIES |  |
|                                                                                                                                               |  |           |  |                                                                                                                                      |  |                |  |                                                                       |  | A1-SIZE |  | 64319  |  |
|                                                                                                                                               |  |           |  | MATERIAL NUMBER                                                                                                                      |  | CUSTOMER       |  | SHEET NUMBER                                                          |  |         |  |        |  |
|                                                                                                                                               |  |           |  | SEE TABLE                                                                                                                            |  | GENERAL MARKET |  | 1 OF 2                                                                |  |         |  |        |  |

molex

CMC CONNECTOR 32 WAY  
MAT SEAL VERSION

PRODUCT CUSTOMER DRAWING

|                 |          |          |          |
|-----------------|----------|----------|----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| SD-64319-001    | PSD      | 001      | J3       |

Technical drawings of the 3000 Series Locking Cabinet. The top drawing is a front view showing a 4x8 grid of 32 drawers, each labeled with a letter (A-H) and a number (1-4). The bottom drawing is a side view showing the cabinet's profile with various dimensions and callouts.

**Top View (Front):**

- Overall width: 35.25 MAX (34)
- Grid layout: 4 rows (1-4) and 8 columns (A-H).

**Side View:**

- Overall height: 40.50 MAX (35)
- Overall width: 47.00 MAX (36)
- Internal width: 29.60 MAX (37)
- Drawer height: 12.60 MAX (40)
- Drawer depth: 8.10 MAX (41)
- Bottom clearance: 3.55 MAX / 2.45 MIN (38)
- Right side clearance: 15.35 MAX (39)

Technical drawing of a mechanical component, likely a pump or motor housing. The drawing shows a complex assembly with various ports, a central circular feature, and a label 'ABCD EFG' on the left side. The component is shown in a perspective view, highlighting its three-dimensional structure.

Technical drawing of the rear view of the device, showing the connector panel with 24 pins labeled A through X. Dimensions include a height of 35.25 MAX (42) and a width of 47.00 MAX (43). A detail view (44) shows a mounting bracket with a 15.35 MAX dimension.

| 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 |                                         |

|                                                                                                                                               |  |                        |  |                                                                                                                                   |  |  |                                                                       |  |                 |          |                              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------|--|-----------------|----------|------------------------------|--|
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| 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                                                                                                                                      |  | ± 0.1000               |  |                                                                                                                                   |  |  |                                                                       |  |                 |          |                              |  |
| 3 PLACES                                                                                                                                      |  | ± 0.1000               |  |                                                                                                                                   |  |  |                                                                       |  |                 |          |                              |  |
| 2 PLACES                                                                                                                                      |  | ± 0.100                |  |                                                                                                                                   |  |  |                                                                       |  |                 |          |                              |  |
| 1 PLACE                                                                                                                                       |  | ± 0.10                 |  | STATUS: Production<br>DRWN: Mahesh KP2024-11-05<br>CHK'D: Prashant Manjunath Achari2024-12-06<br>APPR: SANDEEP S SIMHAN2024-12-06 |  |  | DOCUMENT NUMBER                                                       |  | DOC TYPE        | DOC PART | REVISION                     |  |
| 0 PLACES                                                                                                                                      |  | ±                      |  |                                                                                                                                   |  |  | SD-64319-001                                                          |  | PSD             | 001      | J3                           |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  | FIRST ANGLE PROJECTION |  |                                                                                                                                   |  |  | DRAWING<br>A1-SIZE                                                    |  | SERIES<br>64319 |          | MATERIAL NUMBER<br>SEE TABLE |  |