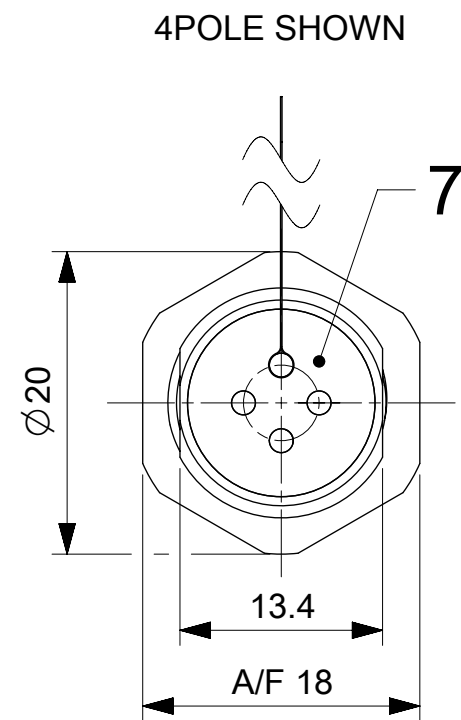
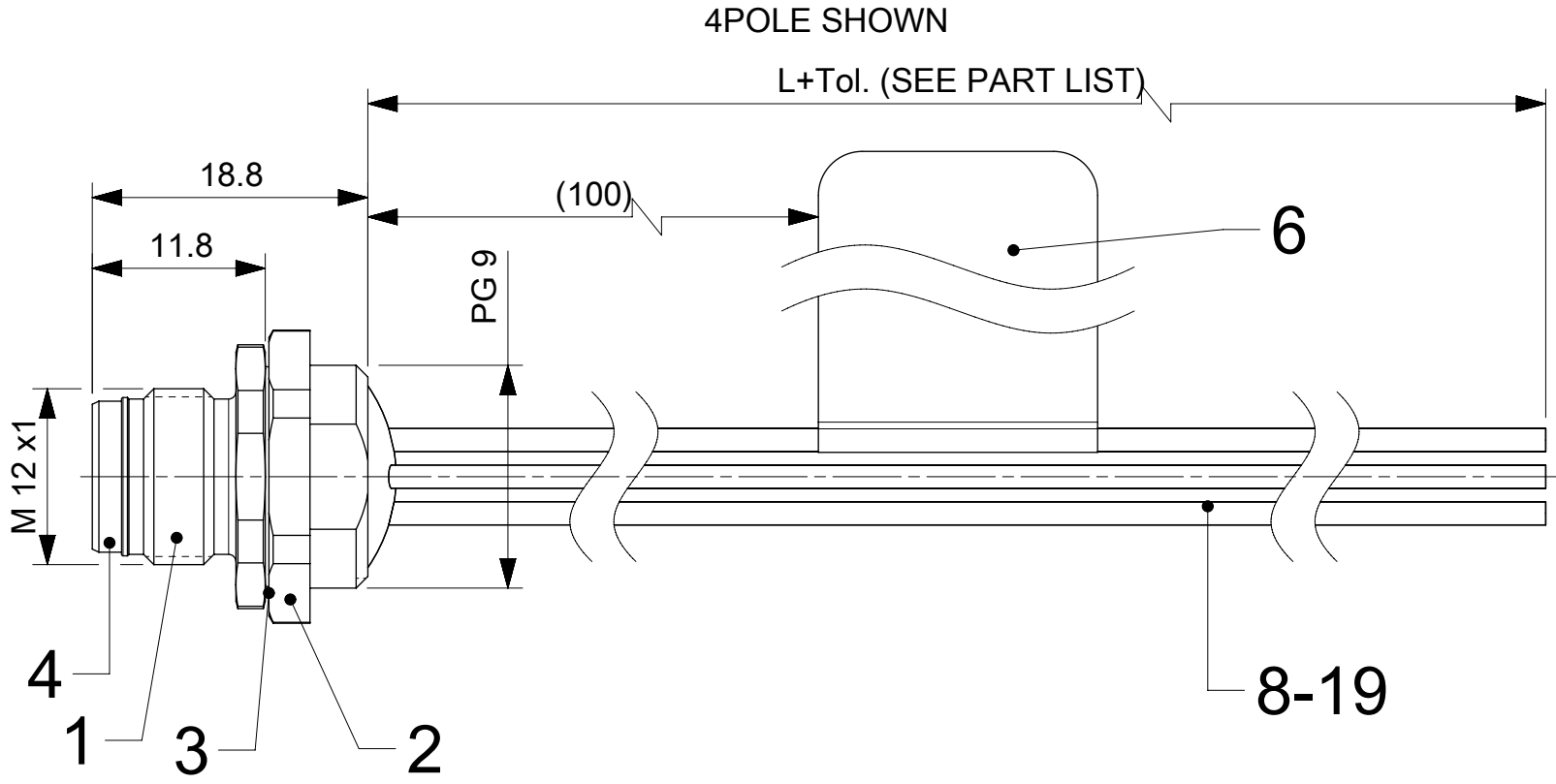
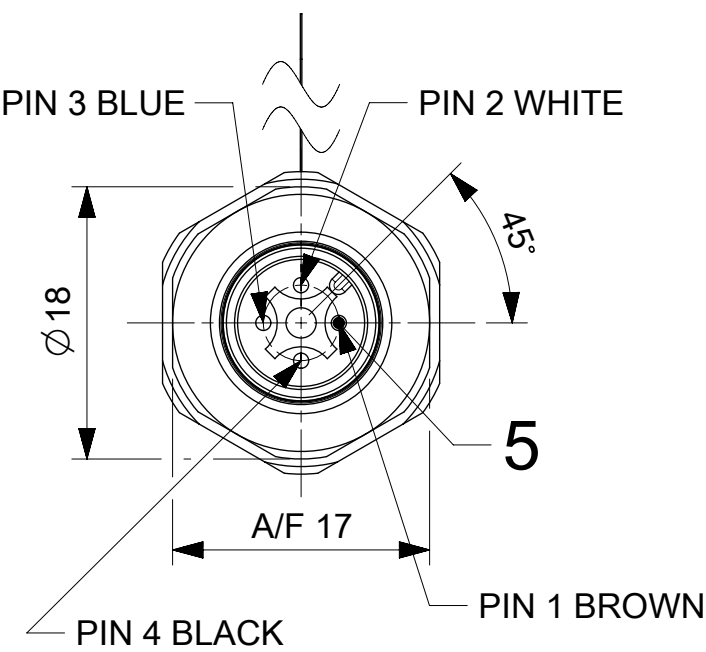
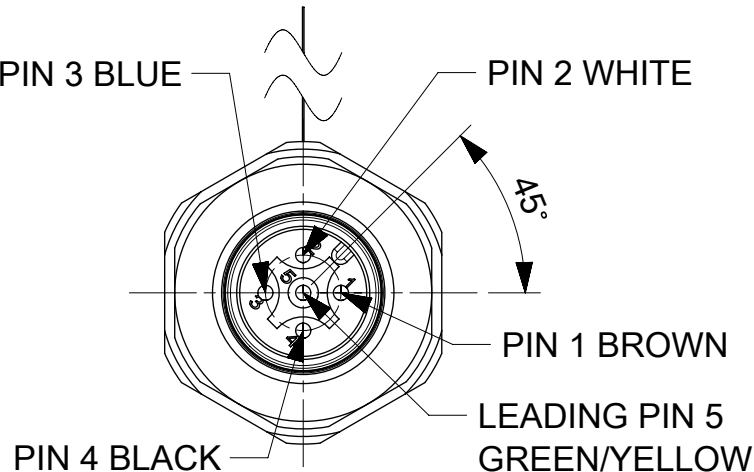


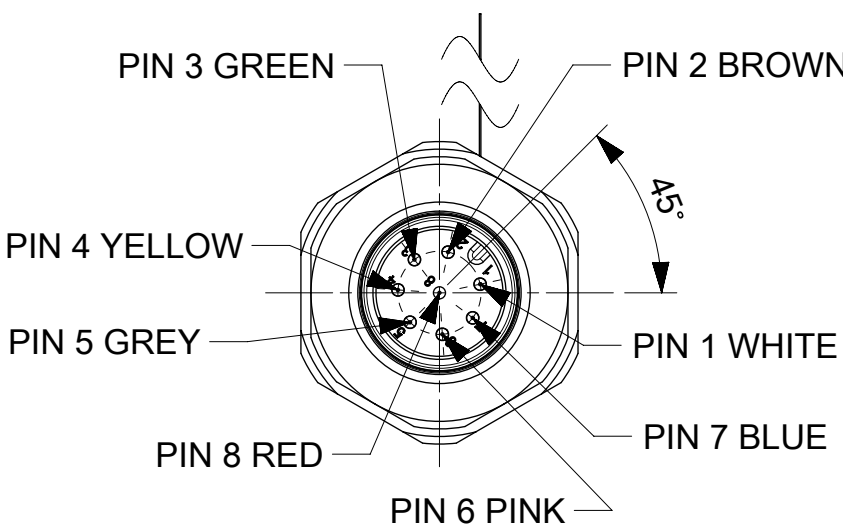
M12 4 POLE AC MALE



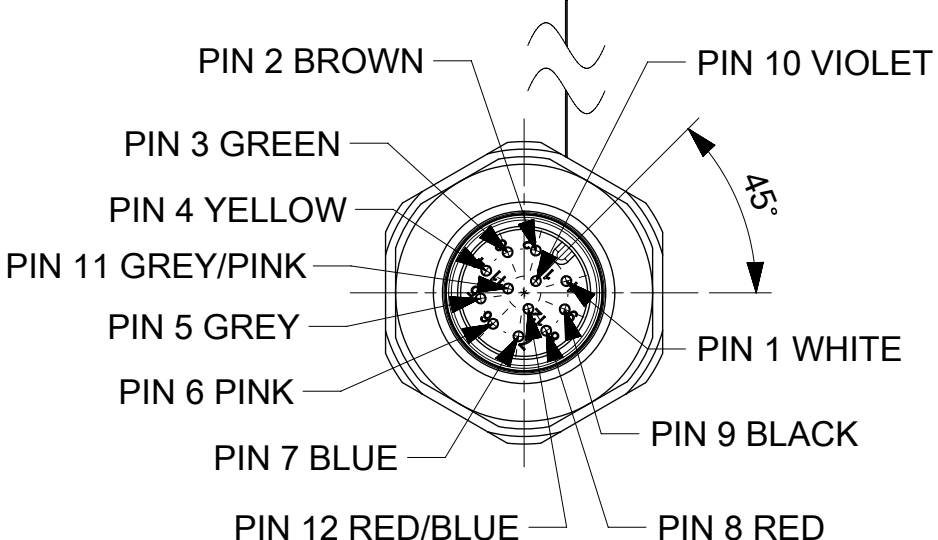
M12 5 POLE AC MALE



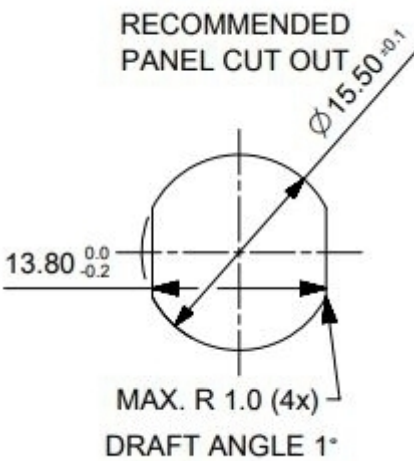
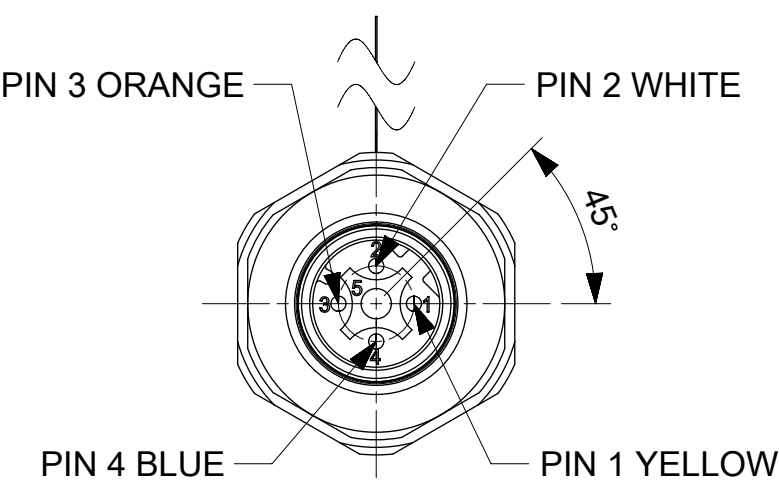
M12 8 POLE AC MALE



M12 12 POLE AC MALE



M12 4 POLE DC MALE



| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        | CURRENT REV DESC: CHANGED MIN. TEMP. IN TABLE |  |         |        | molex                                        |  |                |          |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------|--|---------|--------|----------------------------------------------|--|----------------|----------|
|                                                      | DIMENSION UNITS                                                                                                                               | SCALE  |                                               |  |         |        |                                              |  |                |          |
| $\nabla_A = 0$                                       | mm                                                                                                                                            | 2:1    | GENERAL TOLERANCES (UNLESS SPECIFIED)         |  |         |        | REC U12 XP XC MA PVC XM PG9 FM WIR SE BRA AU |  |                |          |
| $\nabla_F = 0$                                       |                                                                                                                                               |        |                                               |  |         |        |                                              |  |                |          |
| $\nabla_P = 0$                                       |                                                                                                                                               |        | ANGULAR TOL ± 1.0°                            |  |         |        | PRODUCT CUSTOMER DRAWING                     |  |                |          |
| DIVISIONAL SYMBOLS                                   | 4 PLACES                                                                                                                                      | ± 0.0  |                                               |  |         |        |                                              |  |                |          |
|                                                      | 3 PLACES                                                                                                                                      | ± 0.0  |                                               |  |         |        |                                              |  |                |          |
|                                                      | 2 PLACES                                                                                                                                      | ± 0.05 |                                               |  |         |        |                                              |  |                |          |
|                                                      | 1 PLACE                                                                                                                                       | ± 0.3  |                                               |  |         |        |                                              |  |                |          |
|                                                      | 0 PLACES                                                                                                                                      | ± 0.5  |                                               |  |         |        |                                              |  |                |          |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               |        | THIRD ANGLE PROJECTION                        |  | DRAWING | SERIES | DOCUMENT NUMBER                              |  | DOC TYPE       | DOC PART |
|                                                      |                                                                                                                                               |        |                                               |  |         |        |                                              |  |                |          |
|                                                      |                                                                                                                                               |        |                                               |  | A3-SIZE | 120404 | 1204040058                                   |  | PSD            | 000      |
|                                                      |                                                                                                                                               |        |                                               |  |         |        | SEE PART LIST                                |  | GENERAL MARKET |          |
|                                                      |                                                                                                                                               |        |                                               |  |         |        |                                              |  | 1 OF 3         |          |

|                                                                   |   |  |                                                          |  |                  |  |              |  |              |  |              |         |  |
|-------------------------------------------------------------------|---|--|----------------------------------------------------------|--|------------------|--|--------------|--|--------------|--|--------------|---------|--|
| 10                                                                | 9 |  | 8                                                        |  | 7                |  | 6            |  | 5            |  |              |         |  |
| POLES                                                             |   |  | 4 POLE                                                   |  | 5 POLE           |  | 8 POLE       |  | 12 POLE      |  | 4 POLE       |         |  |
| VOLTAGE RATING                                                    |   |  | 250V                                                     |  | 60V              |  | 30V          |  | 30V          |  | 250V         |         |  |
| CODING                                                            |   |  | A - Code                                                 |  | A - Code         |  | A - Code     |  | A - Code     |  | D - Code     |         |  |
| AMPERE RATING                                                     |   |  | 4A                                                       |  | 4A               |  | 2A           |  | 1.5A         |  | 4A           |         |  |
| PROTECTION CLASS<br>CONNECTOR INTERFACE<br>AND SHELL TO ENCLOSURE |   |  | IP 67/69K (in mated condition / when properly installed) |  |                  |  |              |  |              |  |              |         |  |
| OPERATING TEMP.                                                   |   |  | -40°C / +90°C                                            |  |                  |  |              |  |              |  |              |         |  |
| UL/CSA CERTIFICATION                                              |   |  | CSA FILE NO. LR6837, C'CSA'US MARK                       |  |                  |  |              |  |              |  |              | Pending |  |
| WIRE LEAD                                                         |   |  | 0.34 mm² PVC                                             |  | 0.34/0.5 mm² PVC |  | 0.25 mm² PVC |  | 0.14 mm² PVC |  | 0.34 mm² PVC |         |  |
| PIN DIAMETER                                                      |   |  | 1.0 mm                                                   |  | 1.0 mm           |  | 0.8 mm       |  | 0.6 mm       |  | 1.0 mm       |         |  |

PART LIST 4P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                              | L [mm] | TOL. [mm] |
|------------|--------------------|------------------------------------------|--------|-----------|
| 1204040058 | YR4J26E03C300      | REC U12 4P AC MA PVC 0.3M PG9 FM WIR BRA | 300    | +40       |
| 1204040062 | YR4J26E03C500      | REC U12 4P AC MA PVC 0.5M PG9 FM WIR BRA | 500    | +40       |

PART LIST 5P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                              | L [mm] | TOL. [mm] |
|------------|--------------------|------------------------------------------|--------|-----------|
| 1204040059 | YR5J26E03C300      | REC U12 5P AC MA PVC 0.3M PG9 FM WIR BRA | 300    | +40       |
| 1204040063 | YR5J26E03C500      | REC U12 5P AC MA PVC 0.5M PG9 FM WIR BRA | 500    | +40       |

PART LIST 8P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                              | L [mm] | TOL. [mm] |
|------------|--------------------|------------------------------------------|--------|-----------|
| 1204040060 | YR8J26E02C300      | REC U12 8P AC MA PVC 0.3M PG9 FM WIR BRA | 300    | +40       |
| 1204040064 | YR8J26E02C500      | REC U12 8P AC MA PVC 0.5M PG9 FM WIR BRA | 500    | +40       |

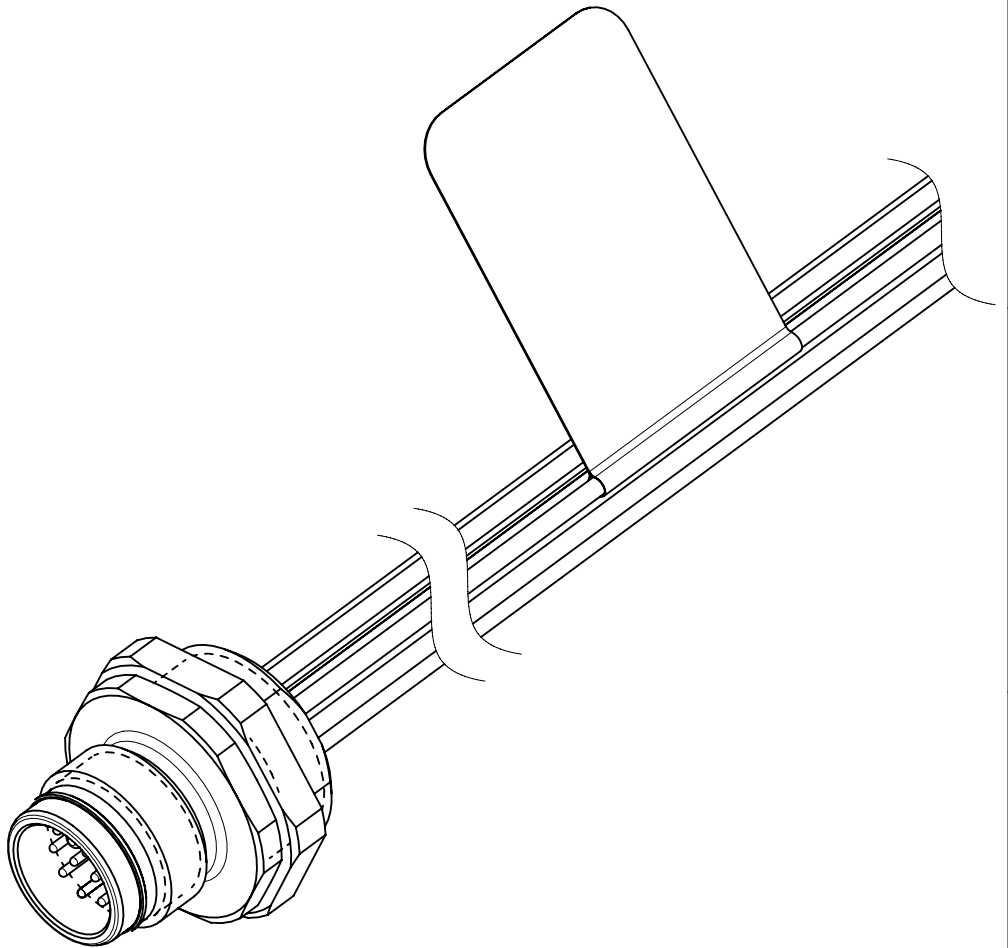
PART LIST 12P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                              | L [mm] | TOL. [mm] |
|------------|--------------------|------------------------------------------|--------|-----------|
| 1204040061 | YRCJ26E01C300      | REC U12 12P AC MA PVC 0.3M PG9FM WIR BRA | 300    | +40       |
| 1204040065 | YRCJ26E01C500      | REC U12 12P AC MA PVC 0.5M PG9FM WIR BRA | 500    | +40       |

PART LIST 4P DC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                              | L [mm] | TOL. [mm] |
|------------|--------------------|------------------------------------------|--------|-----------|
| 1204063009 | ERYA2J26E03C300    | REC U12 4P DC MA PVC 0.3M PG9 FM WIR BRA | 300    | +40       |
| 1204063010 | ERYA2J26E03C500    | REC U12 4P DC MA PVC 0.5M PG9 FM WIR BRA | 500    | +40       |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/01/31 | 08:21:42 |
|-----------------|----|--------------|------------|----------|



NOTES:

- PARTS ACC. TO PRODUCT SPECIFICATION 1204000001 PS P10 AND IN STYLE OF IEC-61076-2-010
- BOM: SEE SHEET 3
- FOR THE ELECTRICAL RATINGS:  
DERATING HAS TO BE CONSIDERED  
OVERVOLTAGE CATEGORY: 3  
POLLUTION DEGREE: 3, ONLY IN MATED AND LOCKED CONDITION
- MECHANICAL OPERATIONS: 100 CYCLES
- MATES WITH M12 FEMALE CORDSETS
- LABEL PRINTED WITH THE MOLEX AND ENGINEERING NUMBERS, VOLTS AND AMPERES, PRODUCTION DATE AND PRODUCTION ORDER NUMBER, UL/CSA MARKINGS AND COUNTRY OF ORIGIN LABEL APPLIED ON WHITE WIRE
- PACKAGING: SINGLE PACKED IN BAG AND THE BAGS IN MOLEX STANDARD CARTONS
- PANEL THICKNESS MAX. 4.0 mm.
- RECOMMENDED PANEL CUTOUT: SEE PICTURE IN SHEET 1

|                                                                                                        |                                                                                                                                               |  |        |                        |                                                                                     |        |  |               |                                                                                                               |                |                                                 |                 |  |          |                          |              |          |  |          |  |  |  |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|------------------------|-------------------------------------------------------------------------------------|--------|--|---------------|---------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------|-----------------|--|----------|--------------------------|--------------|----------|--|----------|--|--|--|
| FUNCTIONAL SYMBOLS<br><div>FA= 0</div> <div>FE= 0</div> <div>FF= 0</div> <div>DIVISIONAL SYMBOLS</div> | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |                        |                                                                                     |        |  |               |                                                                                                               |                | <div>molex</div>                                |                 |  |          |                          |              |          |  |          |  |  |  |
|                                                                                                        | DIMENSION UNITS                                                                                                                               |  | SCALE  |                        | CURRENT REV DESC: CHANGED MIN. TEMP. IN TABLE                                       |        |  |               |                                                                                                               |                | REC U12 XP XC MA PVC XM PG9 FM WIR SE<br>BRA AU |                 |  |          |                          |              |          |  |          |  |  |  |
|                                                                                                        | mm                                                                                                                                            |  |        |                        | 2:1                                                                                 |        |  |               | EC NO: 736602<br>DRWN: RSCHIEBER<br>2023/01/30<br>CHK'D: RSILLER<br>2023/01/31<br>APPR: RSILLER<br>2023/01/31 |                |                                                 |                 |  |          | PRODUCT CUSTOMER DRAWING |              |          |  |          |  |  |  |
|                                                                                                        | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |                        |                                                                                     |        |  |               |                                                                                                               |                |                                                 |                 |  |          |                          |              |          |  |          |  |  |  |
|                                                                                                        | ANGULAR TOL ± 1.0 °                                                                                                                           |  |        |                        |                                                                                     |        |  |               |                                                                                                               |                |                                                 |                 |  |          |                          |              |          |  |          |  |  |  |
|                                                                                                        | 4 PLACES                                                                                                                                      |  | ± 0.0  |                        |                                                                                     |        |  |               |                                                                                                               |                |                                                 |                 |  |          |                          |              |          |  |          |  |  |  |
|                                                                                                        | 3 PLACES                                                                                                                                      |  | ± 0.0  |                        |                                                                                     |        |  |               |                                                                                                               |                |                                                 |                 |  |          |                          |              |          |  |          |  |  |  |
|                                                                                                        | 2 PLACES                                                                                                                                      |  | ± 0.05 |                        | INITIAL REVISION:<br>DRWN: JELIZAINCIN<br>2021/11/29<br>APPR: RSILLER<br>2022/07/14 |        |  |               |                                                                                                               |                | DOCUMENT NUMBER                                 |                 |  |          | DOC TYPE                 |              | DOC PART |  | REVISION |  |  |  |
|                                                                                                        | 1 PLACE                                                                                                                                       |  | ± 0.3  |                        |                                                                                     |        |  |               |                                                                                                               |                | 1204040058                                      |                 |  |          | PSD                      |              | 000      |  | A2       |  |  |  |
|                                                                                                        | 0 PLACES                                                                                                                                      |  | ± 0.5  |                        |                                                                                     |        |  |               |                                                                                                               |                |                                                 |                 |  |          |                          |              |          |  |          |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                             |                                                                                                                                               |  |        | THIRD ANGLE PROJECTION |                                                                                     |        |  | DRAWING       |                                                                                                               | SERIES         |                                                 | MATERIAL NUMBER |  | CUSTOMER |                          | SHEET NUMBER |          |  |          |  |  |  |
| <div></div>       |                                                                                                                                               |  |        | A3-SIZE                |                                                                                     | 120404 |  | SEE PART LIST |                                                                                                               | GENERAL MARKET |                                                 | 2 OF 3          |  |          |                          |              |          |  |          |  |  |  |

