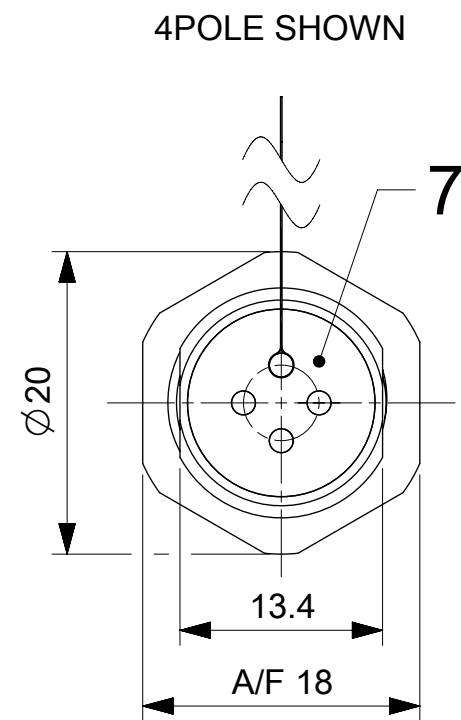
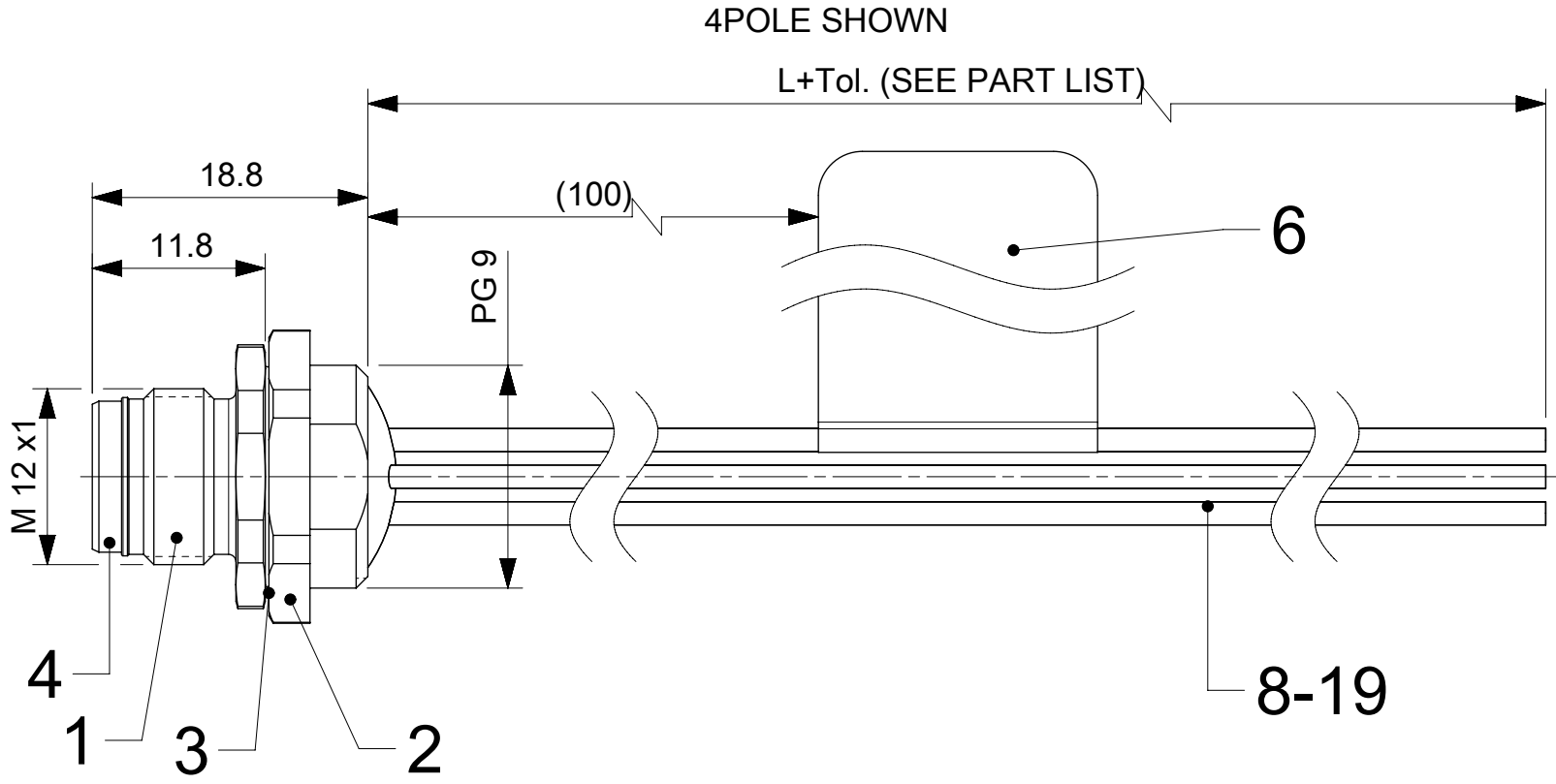
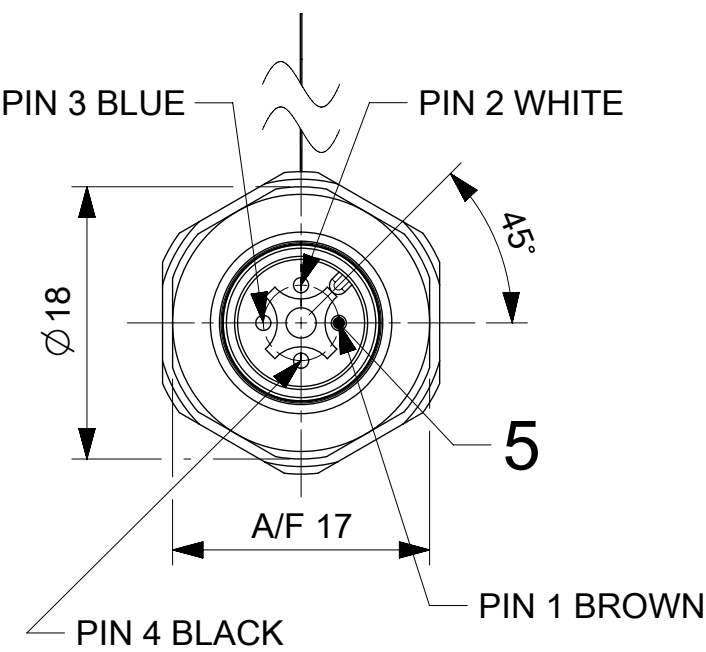
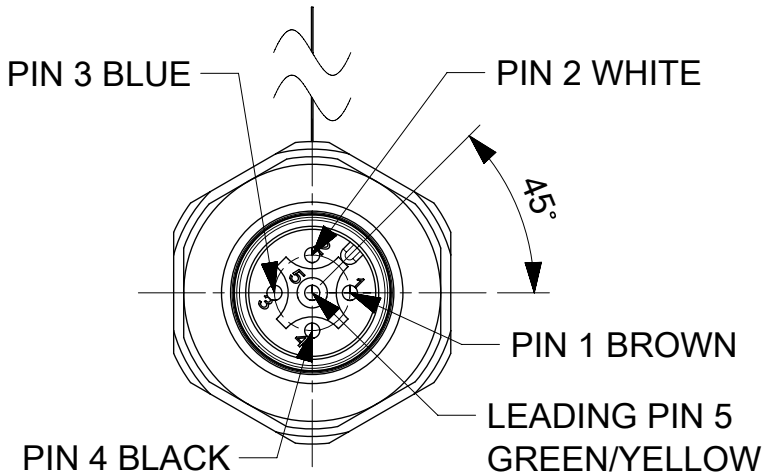


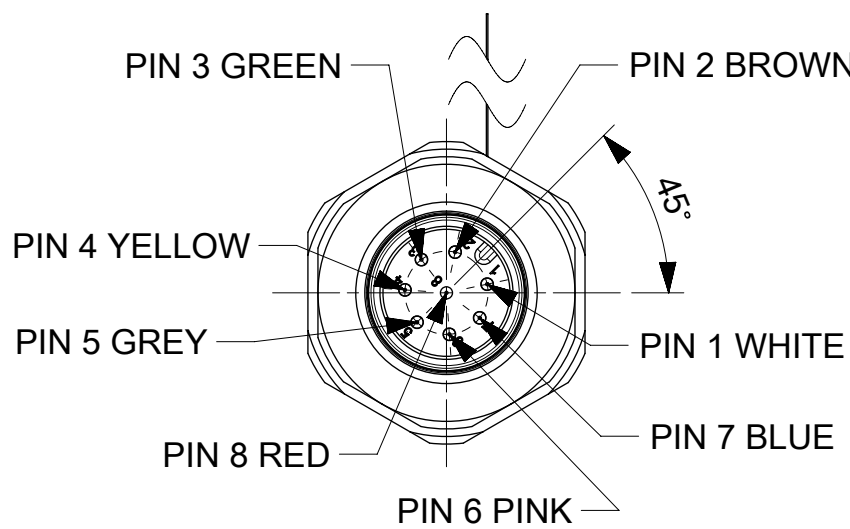
M12 4 POLE AC MALE



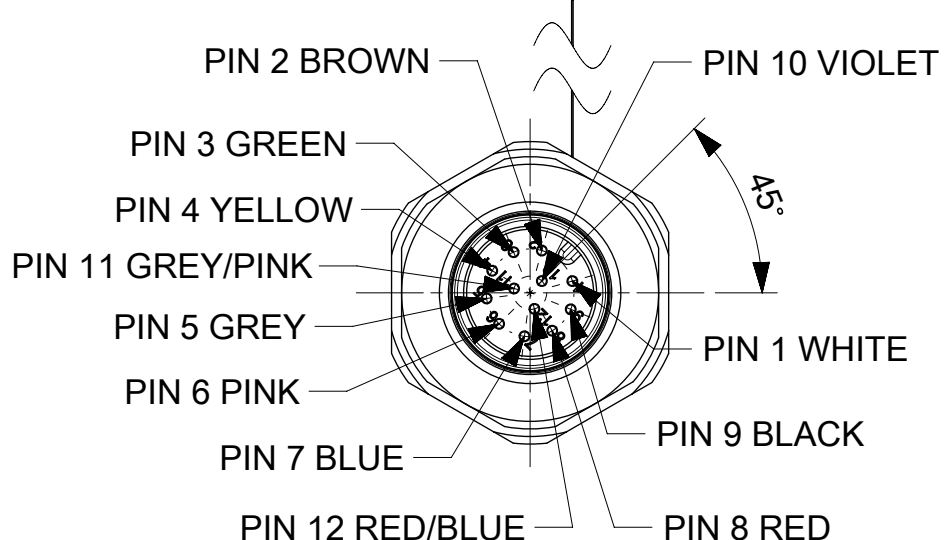
M12 5 POLE AC MALE



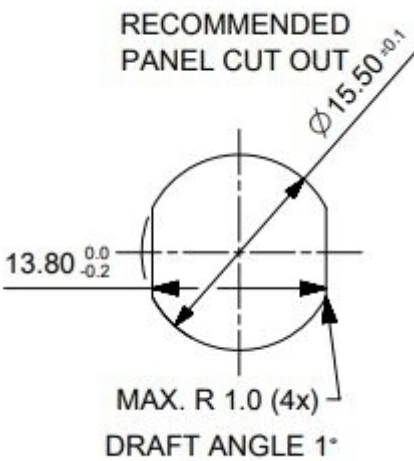
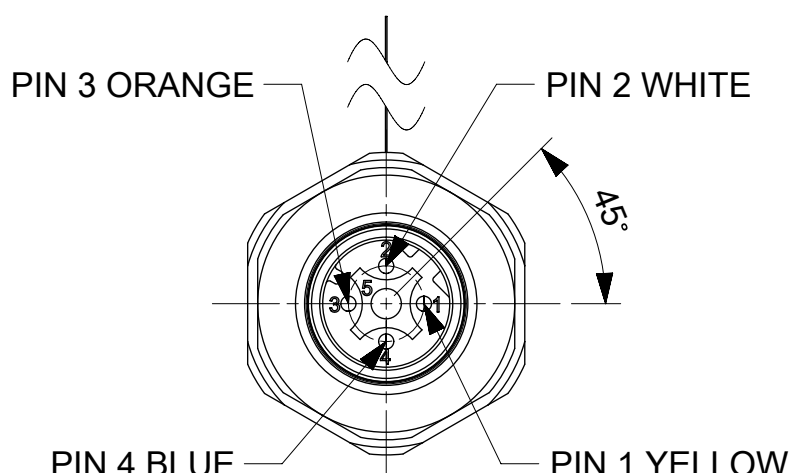
M12 8 POLE AC MALE



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 |                        |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
|                                                      | DIMENSION UNITS                                                                                                                               | SCALE                  |
| $\nabla_A = 0$                                       | mm                                                                                                                                            | 2:1                    |
| $\nabla_F = 0$                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                        |
| $\nabla_P = 0$                                       | ANGULAR TOL ± 1.0°                                                                                                                            |                        |
| 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                 |
|                                                      |                                                                                                                                               | MATERIAL NUMBER        |
|                                                      |                                                                                                                                               | CUSTOMER               |
|                                                      |                                                                                                                                               | SHEET NUMBER           |

|                   |            |
|-------------------|------------|
| EC NO: 736602     | 2023/01/30 |
| DRWN: RSCHIEBER   | 2023/01/31 |
| CHK'D: RSILLER    | 2023/01/31 |
| APPR: RSILLER     | 2023/01/31 |
| INITIAL REVISION: |            |
| DRWN: JELIZAINCIN | 2021/11/29 |
| APPR: RSILLER     | 2022/07/14 |

|                 |  |          |          |          |
|-----------------|--|----------|----------|----------|
| DOCUMENT NUMBER |  | DOC TYPE | DOC PART | REVISION |
| 1204040058      |  | PSD      | 000      | A2       |

|               |                |        |
|---------------|----------------|--------|
| 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 mm <sup>2</sup> PVC                                 |  | 0.34/0.5 mm <sup>2</sup> PVC |  | 0.25 mm <sup>2</sup> PVC |  | 0.14 mm <sup>2</sup> PVC |  | 0.34 mm <sup>2</sup> 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       |

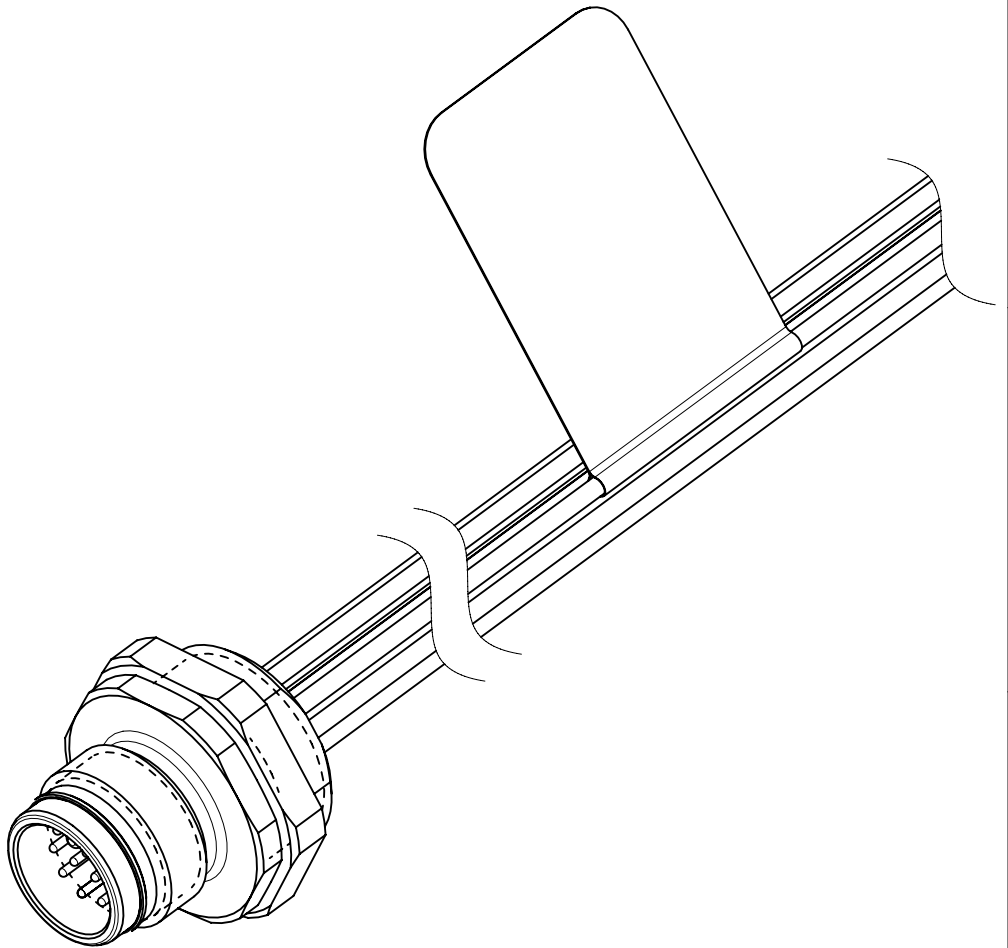
PART LIST 12P AC

| 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><br>DIVISIONAL 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                                        |  |              |          |
|                                              | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  | EC NO: 736602<br>DRWN: RSCHIEBER<br>CHK'D: RSILLER<br>APPR: RSILLER |  | REC U12 XP XC MA PVC XM PG9 FM WIR SE BRA AU |  |              |          |
|                                              | ANGULAR TOL ± 1.0 °                                                                                                                           |  | 2023/01/30<br>2023/01/31<br>2023/01/31                              |  | PRODUCT CUSTOMER DRAWING                     |  |              |          |
|                                              | 4 PLACES ± 0.0                                                                                                                                |  | INITIAL REVISION:                                                   |  | DOCUMENT NUMBER                              |  | DOC TYPE     | DOC PART |
|                                              | 3 PLACES ± 0.0                                                                                                                                |  | DRWN: JELIZAINCIN                                                   |  | 1204040058                                   |  | PSD          | 000      |
|                                              | 2 PLACES ± 0.05                                                                                                                               |  | APPR: RSILLER                                                       |  | 2022/07/14                                   |  |              | A2       |
|                                              | 1 PLACE ± 0.3                                                                                                                                 |  |                                                                     |  |                                              |  |              |          |
|                                              | 0 PLACES ± 0.5                                                                                                                                |  |                                                                     |  |                                              |  |              |          |
|                                              | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  | THIRD ANGLE PROJECTION                                              |  | MATERIAL NUMBER                              |  | CUSTOMER     |          |
|                                              |                                                                                                                                               |  | DRAWING                                                             |  | SERIES                                       |  | SHEET NUMBER |          |

|    |   |   |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|---|---|
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|----|---|---|---|---|---|---|---|---|---|

| TABLE 1 - 4P A-CODE |     |                                          |          |              |
|---------------------|-----|------------------------------------------|----------|--------------|
| ITEM                | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |
| 1                   | 1   | SHELL PG9/M12MA BRASS FM L17/W17 REC U12 | BRASS    | Ni           |
| 2                   | 1   | NUT PG9 BRASS NI HEX                     |          |              |
| 3                   | 1   | GASKET OR NBR BK                         | NBR      | BLACK        |
| 4                   | 1   | MIC 4P REC INSERT A-CODE PA SHORT        | PA       | BLACK        |
| 5                   | 4   | CONTACT 10 MA                            | Cu ALLOY | Au           |
| 6                   | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |
| 7                   | -   | POTTING MATERIAL                         | PUR      | BEIGE        |
| 8                   | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |
| 9                   | 1   | WIRE;22AWG;BN;1.58;PVC;17x0.16;UL1569    |          | BROWN        |
| 10                  | 1   | WIRE;22AWG;BK;1.58;PVC;17x0.16;UL1569    |          | BLACK        |
| 11                  | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |

| TABLE 2 - 5P A-CODE |     |                                          |          |              |
|---------------------|-----|------------------------------------------|----------|--------------|
| ITEM                | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |
| 1                   | 1   | SHELL PG9/M12MA BRASS FM L17/W17 REC U12 | BRASS    | Ni           |
| 2                   | 1   | NUT PG9 BRASS NI HEX                     |          |              |
| 3                   | 1   | GASKET OR NBR BK                         | NBR      | BLACK        |
| 4                   | 1   | MIC 5P REC INSERT A-CODE PA SHORT        | PA       | BLACK        |
| 5                   | 5   | CONTACT 10 MA                            | Cu ALLOY | Au           |
| 6                   | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |
| 7                   | -   | POTTING MATERIAL                         | PUR      | BEIGE        |
| 8                   | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |
| 9                   | 1   | WIRE;22AWG;BN;1.58;PVC;17x0.16;UL1569    |          | BROWN        |
| 10                  | 1   | WIRE;22AWG;BK;1.58;PVC;17x0.16;UL1569    |          | BLACK        |
| 11                  | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |
| 12                  | 1   | WIRE;20AWG;GN/YE;1.76;PVC;26x0.16;UL1569 |          | GREEN/YELLOW |

| TABLE 3 - 8P A-CODE |     |                                          |          |              |
|---------------------|-----|------------------------------------------|----------|--------------|
| ITEM                | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |
| 1                   | 1   | SHELL PG9/M12MA BRASS FM L17/W17 REC U12 | BRASS    | Ni           |
| 2                   | 1   | NUT PG9 BRASS NI HEX                     |          |              |
| 3                   | 1   | GASKET OR NBR BK                         | NBR      | BLACK        |
| 4                   | 1   | MIC 8P REC INSERT MALE PA SHORT          | PA       | BLACK        |
| 5                   | 8   | CONTACT 8 MA                             | BRASS    | Au           |
| 6                   | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |
| 7                   | -   | POTTING MATERIAL                         | PUR      | BEIGE        |
| 8                   | 1   | WIRE;24AWG;BU;1.43;PVC;11x0.16;UL1569    | PVC      | BLUE         |
| 9                   | 1   | WIRE;24AWG;BN;1.43;PVC;11x0.16;UL1569    |          | BROWN        |
| 10                  | 1   | WIRE;24AWG;YE;1.43;PVC;11x0.16;UL1569    |          | YELLOW       |
| 11                  | 1   | WIRE;24AWG;GN;1.43;PVC;11x0.16;UL1569    |          | GREEN        |
| 12                  | 1   | WIRE;24AWG;GY;1.43;PVC;11x0.16;UL1569    |          | GREY         |
| 13                  | 1   | WIRE;24AWG;PK;1.43;PVC;11x0.16;UL1569    |          | PINK         |
| 14                  | 1   | WIRE;24AWG;RD;1.43;PVC;11x0.16;UL1569    |          | RED          |
| 15                  | 1   | WIRE;24AWG;WH;1.43;PVC;11x0.16;UL1569    |          | WHITE        |

| TABLE 4 - 12P A-CODE |     |                                          |          |              |
|----------------------|-----|------------------------------------------|----------|--------------|
| ITEM                 | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |
| 1                    | 1   | SHELL PG9/M12MA BRASS FM L17/W17 REC U12 | BRASS    | Ni           |
| 2                    | 1   | NUT PG9 BRASS NI HEX                     |          |              |
| 3                    | 1   | GASKET OR NBR BK                         | NBR      | BLACK        |
| 4                    | 1   | MIC 12P REC INSERT MALE PA SHORT         | PA       | BLACK        |
| 5                    | 12  | CONTACT 06 MA                            | BRASS    | Au           |
| 6                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |
| 7                    | -   | POTTING MATERIAL                         | PUR      | BEIGE        |
| 8                    | 1   | WIRE;26AWG;BU;1.30;PVC;7x0.16;UL1569     | PVC      | BLUE         |
| 9                    | 1   | WIRE;26AWG;BN;1.30;PVC;7x0.16;UL1569     |          | BROWN        |
| 10                   | 1   | WIRE;26AWG;YE;1.30;PVC;7x0.16;UL1569     |          | YELLOW       |
| 11                   | 1   | WIRE;26AWG;GN;1.30;PVC;7x0.16;UL1569     |          | GREEN        |
| 12                   | 1   | WIRE;26AWG;GY;1.30;PVC;7x0.16;UL1569     |          | GREY         |
| 13                   | 1   | WIRE;26AWG;PK;1.30;PVC;7x0.16;UL1569     |          | PINK         |
| 14                   | 1   | WIRE;26AWG;RD;1.30;PVC;7x0.16;UL1569     |          | RED          |
| 15                   | 1   | WIRE;26AWG;BK;1.30;PVC;7x0.16;UL1569     |          | BLACK        |
| 16                   | 1   | WIRE;26AWG;VT;1.30;PVC;7x0.16;UL1569     |          | VIOLET       |
| 17                   | 1   | WIRE;26AWG;WH;1.30;PVC;7x0.16;UL1569     |          | WHITE        |
| 18                   | 1   | WIRE;26AWG;GY/PK;1.30;PVC;7x0.16;UL1569  |          | GREY/PINK    |
| 19                   | 1   | WIRE;26AWG;RD/BU;1.30;PVC;7x0.16;UL1569  |          | RED/BLUE     |

| TABLE 5 - 4P D-CODE |     |                                          |          |              |
|---------------------|-----|------------------------------------------|----------|--------------|
| ITEM                | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |
| 1                   | 1   | SHELL PG9/M12MA BRASS FM L17/W17 REC U12 | BRASS    | Ni           |
| 2                   | 1   | NUT PG9 BRASS NI HEX                     |          |              |
| 3                   | 1   | GASKET OR NBR BK                         | NBR      | BLACK        |
| 4                   | 1   | MIC 4P REC INSERT D-CODE PA SHORT        | PA       | BLACK        |
| 5                   | 4   | CONTACT 10 MA                            | Cu ALLOY | Au           |
| 6                   | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |
| 7                   | -   | POTTING MATERIAL                         | PUR      | BEIGE        |
| 8                   | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |
| 9                   | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |
| 10                  | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |
| 11                  | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |

|              |  |  |  |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|--|--|--|
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