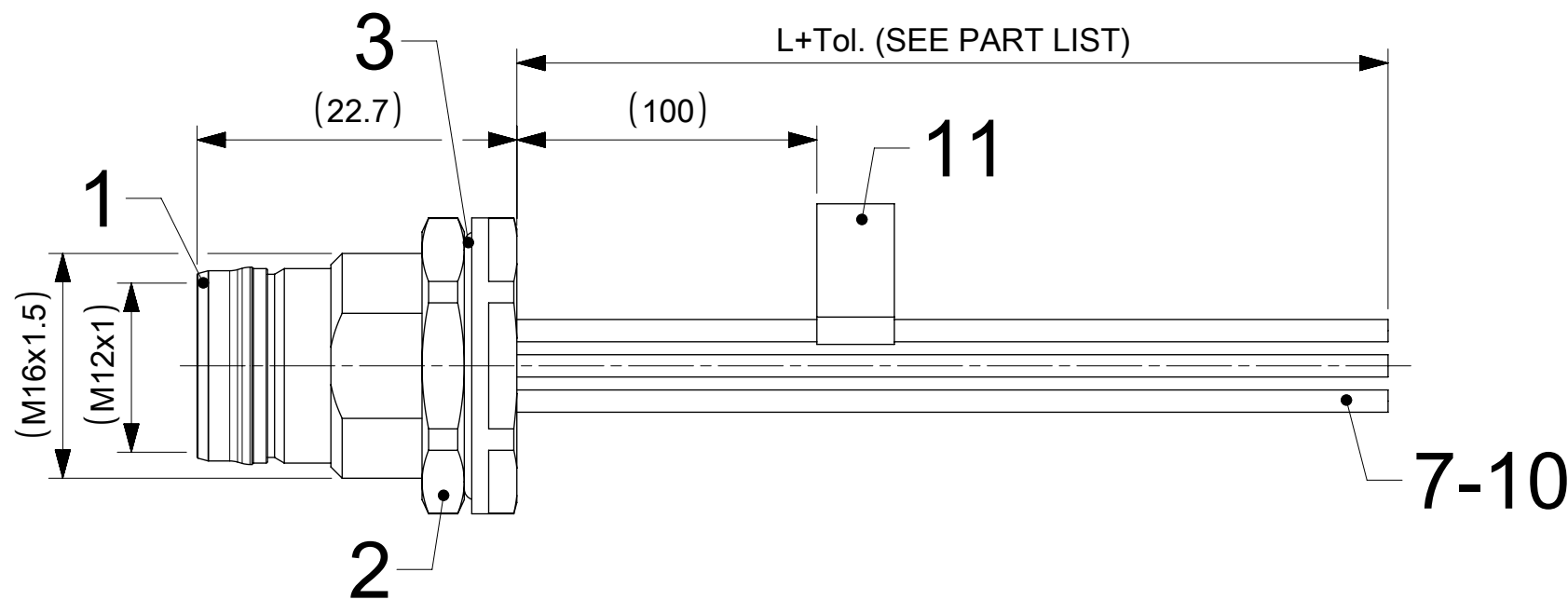
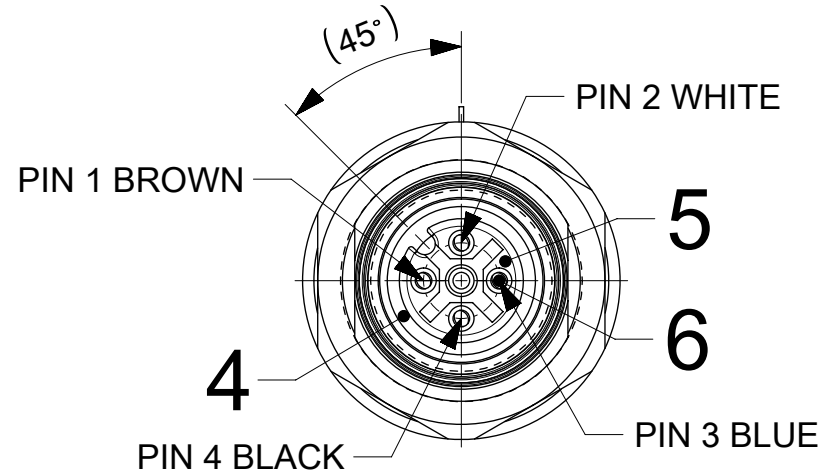
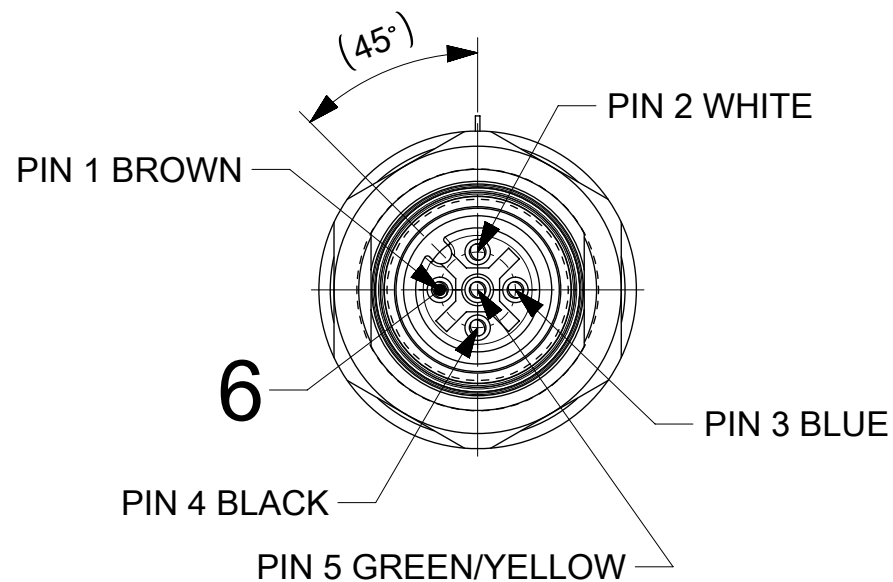


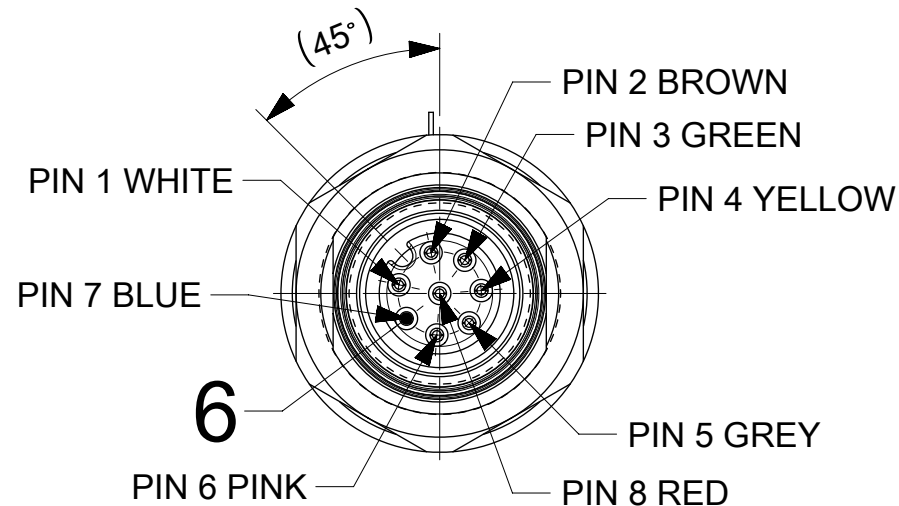
M12 4 POL AC  
FEMALE



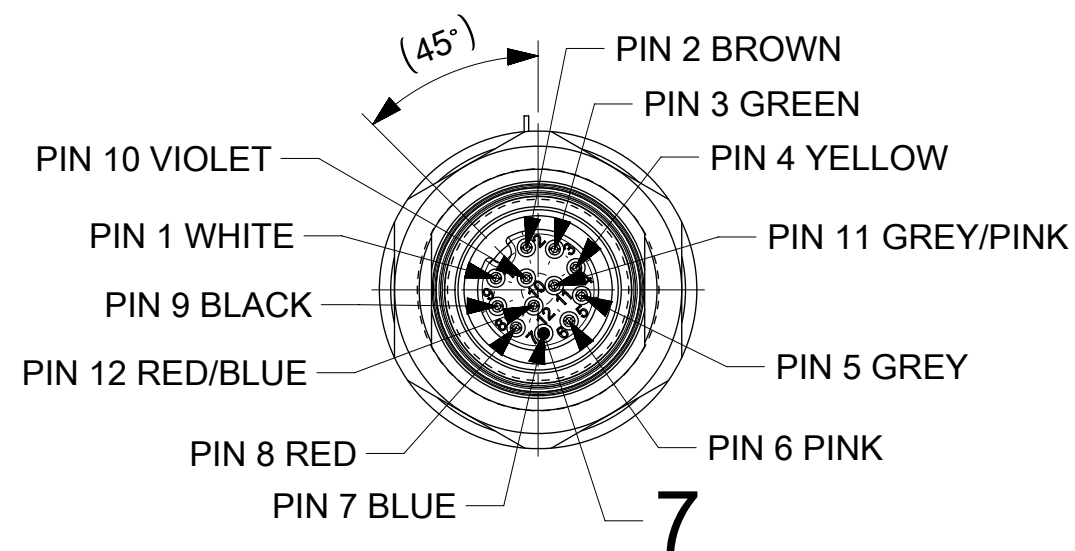
M12 5 POL AC  
FEMALE



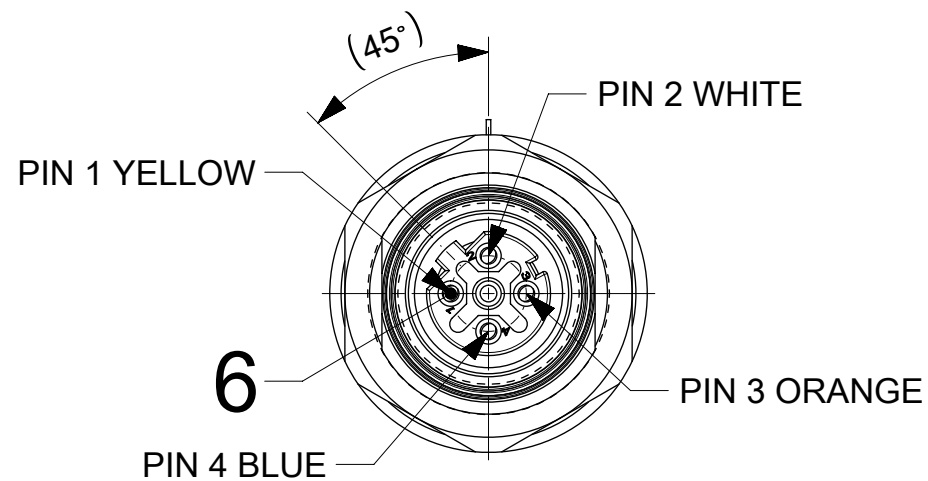
M12 8 POL AC  
FEMALE



M12 12 POL AC  
FEMALE



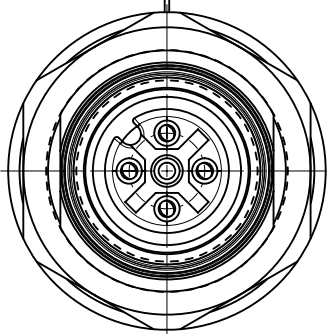
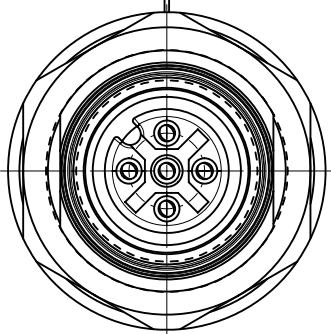
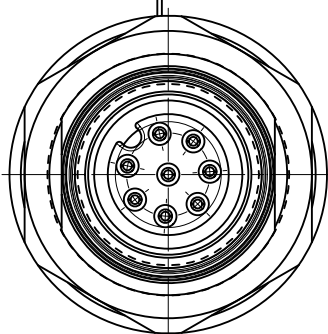
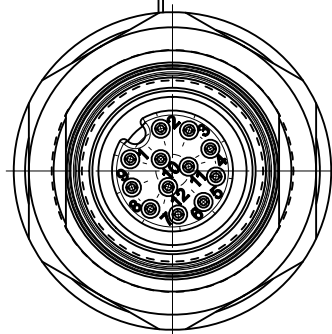
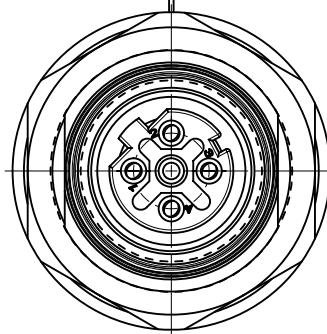
M12 4 POL DC  
FEMALE



|                                                            |                                                                                                                                               |   |        |                          |                                               |         |                 |                                      |          |                |              |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---|--------|--------------------------|-----------------------------------------------|---------|-----------------|--------------------------------------|----------|----------------|--------------|
| 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  |                          | CURRENT REV DESC: CHANGED MIN. TEMP. IN TABLE |         |                 | <div>molex</div>                     |          |                |              |
|                                                            | mm                                                                                                                                            |   | 2:1    |                          |                                               |         |                 |                                      |          |                |              |
|                                                            | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |   |        |                          |                                               |         |                 | REC U12 XP XC FE M16 BM WIR BRASS NI |          |                |              |
| ANGULAR TOL ± 1.0°                                         |                                                                                                                                               |   |        |                          |                                               |         |                 |                                      |          |                |              |
| 4 PLACES                                                   |                                                                                                                                               | ± |        | PRODUCT CUSTOMER DRAWING |                                               |         |                 |                                      |          |                |              |
| DIVISIONAL SYMBOLS                                         | 3 PLACES                                                                                                                                      |   | ±      |                          |                                               |         | DOCUMENT NUMBER |                                      | DOC TYPE | DOC PART       | REVISION     |
|                                                            | 2 PLACES                                                                                                                                      |   | ± 0.05 |                          | 1204040001                                    |         | PSD             | 000                                  | A1       |                |              |
|                                                            | 1 PLACE                                                                                                                                       |   | ± 0.3  |                          |                                               |         |                 |                                      |          |                |              |
|                                                            | 0 PLACES                                                                                                                                      |   | ± 0.5  |                          | INITIAL REVISION:                             |         | DRWN: FDAFERNER | 2021/02/10                           |          | APPR: RSILLER  | 2022/07/12   |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                               |   |        | THIRD ANGLE PROJECTION   |                                               | DRAWING | SERIES          | MATERIAL NUMBER                      |          | CUSTOMER       | SHEET NUMBER |
|                                                            |                                                                                                                                               |   |        |                          |                                               | A3-SIZE | 120404          | SEE PART LIST                        |          | GENERAL MARKET | 1 OF 3       |

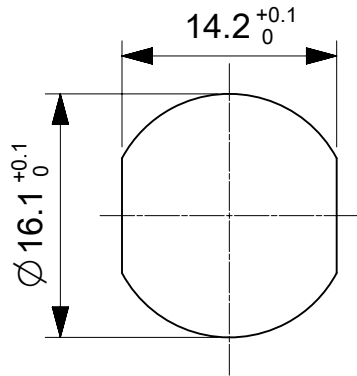


|    |   |   |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|---|---|
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|----|---|---|---|---|---|---|---|---|---|

| POLES                                                         | 4 POLE                                                                            | 5 POLE                                                                             | 8 POLE                                                                              | 12 POLE                                                                             | 4 POLE                                                                              |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| LAYOUT                                                        |  |  |  |  |  |
| 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>SHELL TO ENCLOSURE | IP 67/69K (in mated condition / when properly installed)                          |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| OPERATING TEMP.                                               | -40°C / 85°C                                                                      |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| UL CERTIFICATION                                              | FILE NO. E152210                                                                  |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| CSA CERTIFICATION                                             | FILE NO. LR6837                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| WIRE LEAD                                                     | 0.34 mm <sup>2</sup> PVC                                                          | 0.34 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                                                                              |
| WIRE COLOR                                                    | ACCORDING TO IEC 60947-5-2                                                        |                                                                                    | ACCORDING TO DIN 47100                                                              |                                                                                     | ACC. TO IEC 60947-5-2                                                               |

NOTE:  
1. PANEL THICKNESS MAX. 6.2mm

## RECOMMENDED PANEL CUTOUT



## PART LIST 4P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                               | L [mm] | TOL |
|------------|--------------------|-------------------------------------------|--------|-----|
| 1204040001 | YR4U40E03C300      | REC U12 4P AC FE M16 BM WIR BRASS NI 0.3M | 300    | +40 |
| 1204040031 | YR4U40E03C500      | REC U12 4P AC FE M16 BM WIR BRASS NI 0.5M | 500    | +40 |

## PART LIST 5P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                               | L [mm] | TOL |
|------------|--------------------|-------------------------------------------|--------|-----|
| 1204040002 | YR5U40E03C300      | REC U12 5P AC FE M16 BM WIR BRASS NI 0.3M | 300    | +40 |
| 1204040032 | YR5U40E03C500      | REC U12 5P AC FE M16 BM WIR BRASS NI 0.5M | 500    | +40 |

## PART LIST 8P AC

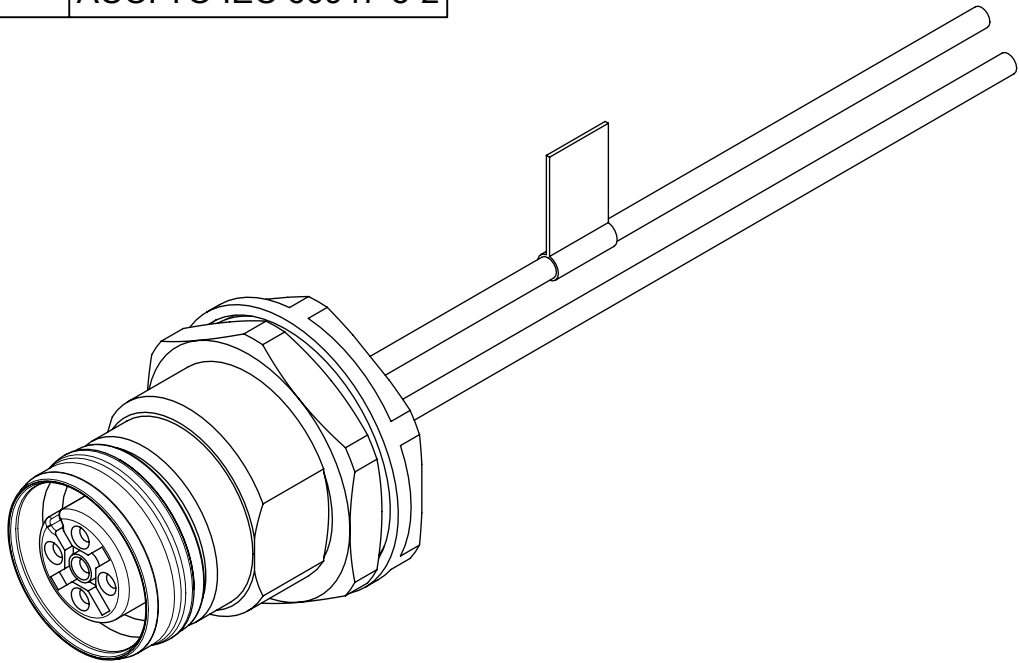
| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                               | L [mm] | TOL |
|------------|--------------------|-------------------------------------------|--------|-----|
| 1204040003 | YR8U40E02C300      | REC U12 8P AC FE M16 BM WIR BRASS NI 0.3M | 300    | +40 |
| 1204040033 | YR8U40E02C500      | REC U12 8P AC FE M16 BM WIR BRASS NI 0.5M | 500    | +40 |

## PART LIST 12P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                                | L [mm] | TOL |
|------------|--------------------|--------------------------------------------|--------|-----|
| 1204040004 | YRCU40E01C300      | REC U12 12P AC FE M16 BM WIR BRASS NI 0.3M | 300    | +40 |
| 1204040034 | YRCU40E01C500      | REC U12 12P AC FE M16 BM WIR BRASS NI 0.5M | 500    | +40 |

## PART LIST 4P DC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                               | L [mm] | TOL |
|------------|--------------------|-------------------------------------------|--------|-----|
| 1204063001 | ERYA2U40E03C300    | REC U12 4P DC FE M16 BM WIR BRASS NI 0.3M | 300    | +40 |
| 1204063004 | ERYA2U40E03C500    | REC U12 4P DC FE M16 BM WIR BRASS NI 0.5M | 500    | +40 |



|                                                                                                                                                                      |                                                                                                                                               |  |        |         |                                               |               |                |        |                                                                                                                                                                                    |        |                 |          |                          |          |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|---------|-----------------------------------------------|---------------|----------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|----------|--------------------------|----------|----------|
| FUNCTIONAL SYMBOLS<br><br><div><div>F<sub>A</sub></div>= 0</div> <div><div>F<sub>E</sub></div>= 0</div> <div><div>F<sub>P</sub></div>= 0</div><br>DIVISIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |         |                                               |               |                |        |                                                                                                                                                                                    |        |                 |          |                          |          |          |
|                                                                                                                                                                      | DIMENSION UNITS                                                                                                                               |  | SCALE  |         | CURRENT REV DESC: CHANGED MIN. TEMP. IN TABLE |               |                |        | <div>molex</div><br><br>REC U12 XP XC FE M16 BM WIR BRASS NI                                                                                                                       |        |                 |          |                          |          |          |
|                                                                                                                                                                      | mm                                                                                                                                            |  | 2:1    |         |                                               |               |                |        |                                                                                                                                                                                    |        |                 |          |                          |          |          |
|                                                                                                                                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |         |                                               |               |                |        | EC NO: 736602<br>DRWN: RSCHIEBER2023/01/27<br>CHK'D: RSILLER2023/01/31<br>APPR: RSILLER2023/01/31<br><br>INITIAL REVISION:<br>DRWN: FDAFERNER2021/02/10<br>APPR: RSILLER2022/07/12 |        |                 |          | PRODUCT CUSTOMER DRAWING |          |          |
|                                                                                                                                                                      | ANGULAR TOL ± 1.0°                                                                                                                            |  |        |         |                                               |               |                |        |                                                                                                                                                                                    |        |                 |          |                          |          |          |
|                                                                                                                                                                      | 4 PLACES                                                                                                                                      |  | ±      |         | DOCUMENT NUMBER                               |               |                |        |                                                                                                                                                                                    |        |                 |          | DOC TYPE                 | DOC PART | REVISION |
|                                                                                                                                                                      | 3 PLACES                                                                                                                                      |  | ±      |         | 1204040001                                    |               |                |        |                                                                                                                                                                                    |        |                 |          | PSD                      | 000      | A1       |
|                                                                                                                                                                      | 2 PLACES                                                                                                                                      |  | ± 0.05 |         |                                               |               |                |        |                                                                                                                                                                                    |        |                 |          |                          |          |          |
|                                                                                                                                                                      | 1 PLACE                                                                                                                                       |  | ± 0.3  |         |                                               |               |                |        |                                                                                                                                                                                    |        |                 |          |                          |          |          |
|                                                                                                                                                                      | 0 PLACES                                                                                                                                      |  | ± 0.5  |         | THIRD ANGLE PROJECTION                        |               |                |        | DRAWING                                                                                                                                                                            | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER             |          |          |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                                                 |                                                                                                                                               |  |        |         |                                               |               |                |        |                                                                                                                                                                                    |        |                 |          |                          |          |          |
| <div><div></div><div></div></div>                                                                                                                                    |                                                                                                                                               |  |        | A3-SIZE | 120404                                        | SEE PART LIST | GENERAL MARKET | 3 OF 3 |                                                                                                                                                                                    |        |                 |          |                          |          |          |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/01/31 | 08:21:35 |
|-----------------|----|--------------|------------|----------|