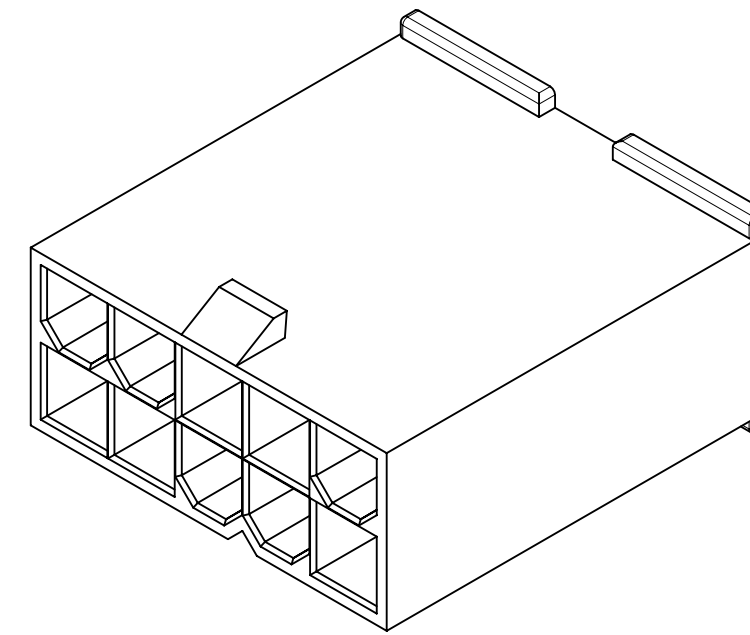
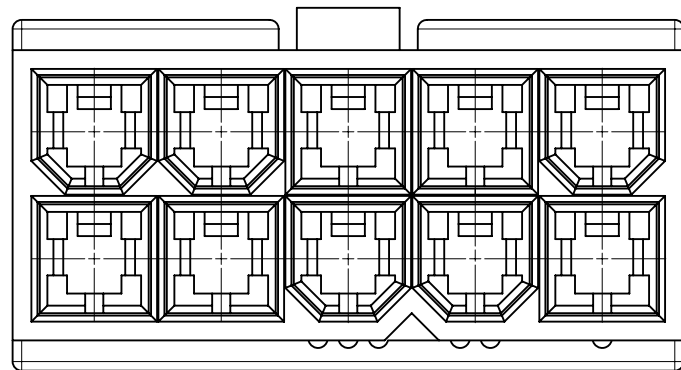
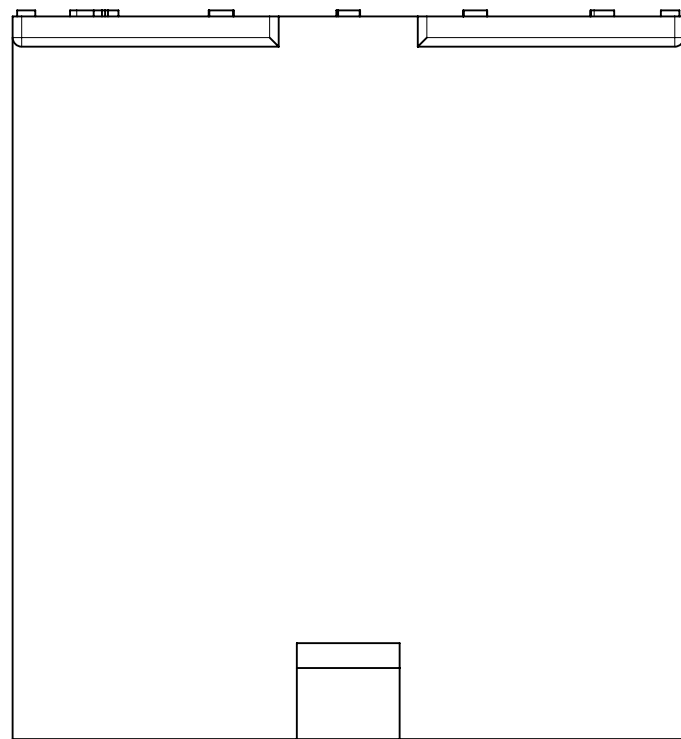
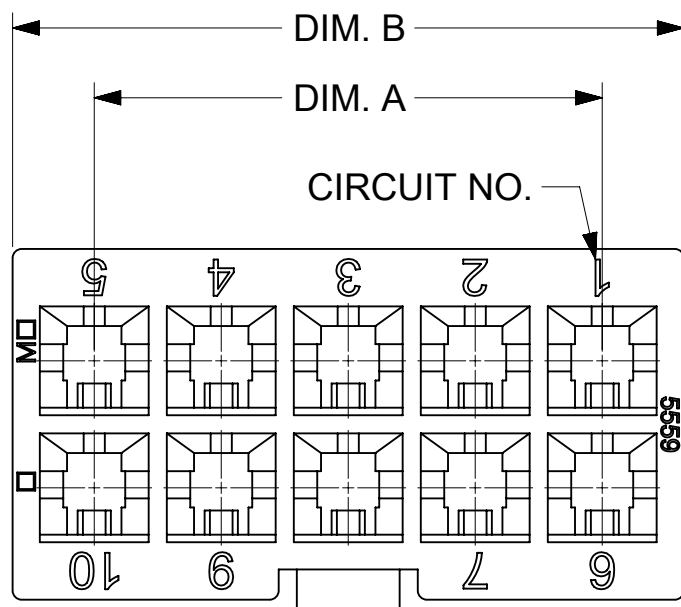
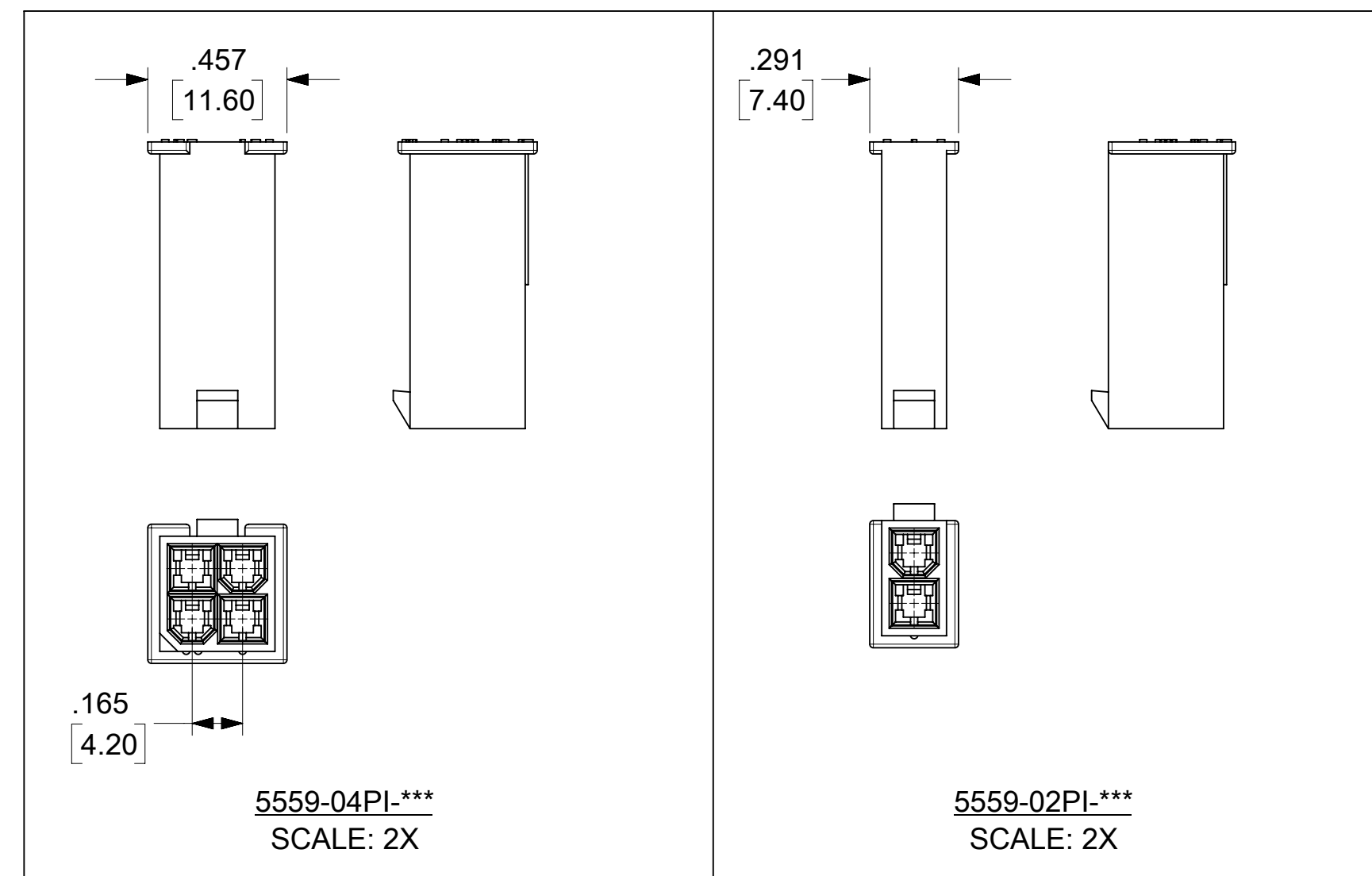
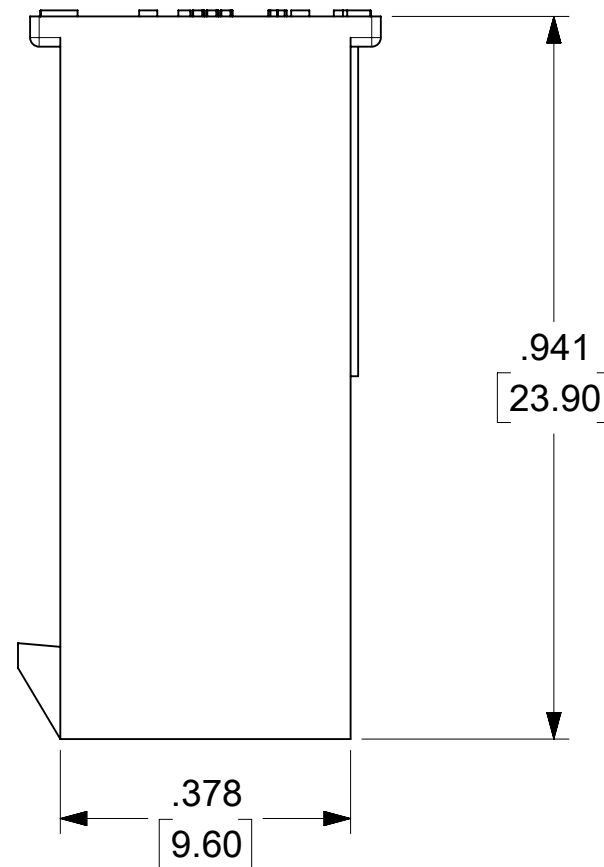




|           | 1       |         |
|-----------|---------|---------|
| CKT. SIZE | DIM. A  | DIM. B  |
| 6         | .331    | .543    |
|           | [8.40]  | [13.80] |
| 8         | .496    | .709    |
|           | [12.60] | [18.00] |
| 10        | .661    | .874    |
|           | [16.80] | [22.20] |
| 12        | .827    | 1.039   |
|           | [21.00] | [26.40] |
| 14        | .992    | 1.205   |
|           | [25.20] | [30.60] |
| 16        | 1.157   | 1.370   |
|           | [29.40] | [34.80] |
| 18        | 1.323   | 1.535   |
|           | [33.60] | [39.00] |
| 20        | 1.488   | 1.701   |
|           | [37.80] | [43.20] |
| 22        | 1.654   | 1.866   |
|           | [42.00] | [47.40] |
| 24        | 1.819   | 2.031   |
|           | [46.20] | [51.60] |



NOTES:

1. MATERIAL: BLANK=NYLON 6/6, UL 94V-2, COLOR: NATURAL  
BL=NYLON 6/6, UL 94V-2, COLOR: BLACK  
210=NYLON 6/6, UL 94V-0, COLOR: NATURAL  
400=NYLON 6/6, UL 94V-0, COLOR: BLACK  
225=NYLON (PA6), UL94V-0,COLOR: BLACK
2. FINISH: N/A.
3. PRODUCT SPECIFICATION: PS-5556-001.
4. PACKAGING SPECIFICATION: PK-5559-002.
5. THIS PART MATES WITH RECEPTACLE #5557, 172708-0\*\*\*, 172708-1\*\*\*.
6. THIS PART IS FOR USE WITH MOLEX MALE TERMINAL #5558, #46012.
7. PART IS NOT DESIGNED FOR CURRENT SHARINGN.
8. CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
9. WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET.
10. PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF DISCOLORATION. FLASH AND SINK MEET CLASS "C" RQUIREMENTS.

|                                                                                                                                                                             |    |        |         |                                                                                                                             |                          |        |  |                                          |  |                |  |                 |  |                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|---------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|--------|--|------------------------------------------|--|----------------|--|-----------------|--|-----------------|--|
| 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: A NEW PART NUMBER HAS BEEN ADDED. WHICH WAS PREVIOUSLY RESTRICTED AND IS NOW AVAILABLE FOR GENERAL MARKET |                          |        |  | molex                                    |  |                |  |                 |  |                 |  |
| IN/MM                                                                                                                                                                       |    | NTS    |         |                                                                                                                             |                          |        |  |                                          |  |                |  |                 |  |                 |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                       |    |        |         |                                                                                                                             |                          |        |  |                                          |  |                |  |                 |  |                 |  |
|                                                                                                                                                                             | MM |        | INCH    |                                                                                                                             |                          |        |  |                                          |  |                |  |                 |  |                 |  |
| 4 PLACES                                                                                                                                                                    |    | ±      | ±       |                                                                                                                             |                          |        |  | MINI FIT JR SERIES<br>PLUG W/O MTG. EARS |  |                |  |                 |  |                 |  |
| 3 PLACES                                                                                                                                                                    |    | ±      | ± 0.015 |                                                                                                                             |                          |        |  |                                          |  |                |  |                 |  |                 |  |
| 2 PLACES                                                                                                                                                                    |    | ± 0.38 | ±       |                                                                                                                             |                          |        |  |                                          |  |                |  |                 |  |                 |  |
| 1 PLACE                                                                                                                                                                     |    | ±      | ±       |                                                                                                                             | PRODUCT CUSTOMER DRAWING |        |  |                                          |  |                |  |                 |  |                 |  |
| 0 PLACES                                                                                                                                                                    |    | ±      | ±       |                                                                                                                             |                          |        |  |                                          |  |                |  |                 |  |                 |  |
| ANGULAR TOL ± 0.5 °                                                                                                                                                         |    |        |         | EC NO: 833966                                                                                                               |                          |        |  | DOCUMENT NUMBER<br><br>55590001-SD       |  |                |  |                 |  |                 |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                  |    |        |         | DRWN: RJF 1989/09/22                                                                                                        |                          |        |  |                                          |  |                |  | DOC TYPE<br>PSD |  | DOC PART<br>000 |  |
|                                                                                                                                                                             |    |        |         | APPR: ROS 1989/09/22                                                                                                        |                          |        |  |                                          |  |                |  | REVISION<br>A4  |  |                 |  |
| THIRD ANGLE PROJECTION                                                                                                                                                      |    |        |         | DRAWING                                                                                                                     |                          | SERIES |  | MATERIAL NUMBER                          |  | CUSTOMER       |  | SHEET NUMBER    |  |                 |  |
|   |    |        |         | C-SIZE                                                                                                                      |                          | 5559   |  | SEE TABLE                                |  | GENERAL MARKET |  | 1 OF 2          |  |                 |  |

| PART NUMBER | ENG. NUMBER | CIRCUIT SIZE | MATERIAL |
|-------------|-------------|--------------|----------|
| 39-01-3023  | 5559-02P1   | 2            | 94V-2    |
| 39-01-3043  | 5559-04P1   | 4            | 94V-2    |
| 39-01-3063  | 5559-06P1   | 6            | 94V-2    |
| 39-01-3083  | 5559-08P1   | 8            | 94V-2    |
| 39-01-3103  | 5559-10P1   | 10           | 94V-2    |
| 39-01-3123  | 5559-12P1   | 12           | 94V-2    |
| 39-01-3143  | 5559-14P1   | 14           | 94V-2    |
| 39-01-3203  | 5559-20P1   | 20           | 94V-2    |
| 39-01-3223  | 5559-22P1   | 22           | 94V-2    |

| PART NUMBER | ENG. NUMBER    | CIRCUIT SIZE | MATERIAL |
|-------------|----------------|--------------|----------|
| 39-01-3029  | 5559-02P 1-210 | 2            | 94V-0    |
| 39-01-3049  | 5559-04P 1-210 | 4            | 94V-0    |
| 39-01-3069  | 5559-06P 1-210 | 6            | 94V-0    |
| 39-01-3089  | 5559-08P 1-210 | 8            | 94V-0    |
| 39-01-3109  | 5559-10P 1-210 | 10           | 94V-0    |
| 39-01-3129  | 5559-12P 1-210 | 12           | 94V-0    |
| 39-01-3149  | 5559-14P 1-210 | 14           | 94V-0    |
| 39-01-3169  | 5559-16P 1-210 | 16           | 94V-0    |
| 39-01-3209  | 5559-20P 1-210 | 20           | 94V-0    |
| 39-01-3229  | 5559-22P 1-210 | 22           | 94V-0    |
| 39-01-3249  | 5559-24P 1-210 | 24           | 94V-0    |

| PART NUMBER | ENG. NUMBER    | CIRCUIT SIZE | MATERIAL    |
|-------------|----------------|--------------|-------------|
| 46999-0275  | 5559-02P 1-400 | 2            | 94V-0/BLACK |
| 46999-0276  | 5559-04P 1-400 | 4            | 94V-0/BLACK |
| 46999-0277  | 5559-06P 1-400 | 6            | 94V-0/BLACK |
| 46999-0278  | 5559-08P 1-400 | 8            | 94V-0/BLACK |
| 46999-0279  | 5559-10P 1-400 | 10           | 94V-0/BLACK |
| 46999-0280  | 5559-12P 1-400 | 12           | 94V-0/BLACK |
| 46999-0281  | 5559-14P 1-400 | 14           | 94V-0/BLACK |
| 46999-0282  | 5559-16P 1-400 | 16           | 94V-0/BLACK |
| 46999-0284  | 5559-20P 1-400 | 20           | 94V-0/BLACK |
| 46999-0285  | 5559-22P 1-400 | 22           | 94V-0/BLACK |
| 46999-0286  | 5559-24P 1-400 | 24           | 94V-0/BLACK |
| 50-36-1678  | 5559-02P1-225  | 02           | 94V-0/BLACK |

| PART NUMBER | ENG. NUMBER  | CIRCUIT SIZE | MATERIAL      |
|-------------|--------------|--------------|---------------|
| 39-01-3026  | 5559-02P1-BL | 2            | 94V-2 / BLACK |
| 39-01-3046  | 5559-04P1-BL | 4            | 94V-2 / BLACK |
| 39-01-3066  | 5559-06P1-BL | 6            | 94V-2 / BLACK |
| 39-01-3086  | 5559-08P1-BL | 8            | 94V-2 / BLACK |
| 39-01-3106  | 5559-10P1-BL | 10           | 94V-2 / BLACK |
| 39-01-3126  | 5559-12P1-BL | 12           | 94V-2 / BLACK |
| 39-01-3146  | 5559-14P1-BL | 14           | 94V-2 / BLACK |
| 39-01-3166  | 5559-16P1-BL | 16           | 94V-2 / BLACK |

## LEGEND

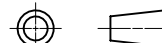
5559 - \*\* P1 - \*

BASE NO

CIRCUIT SIZE  
(02-24)

## PLUG WITHOUT - MOUNTING EARS

MATERIAL OPTION:  
(SEE NOTE 1 ON SHEET 1)

|                                                                                                                                               |    |       |         |                                                                                                                             |  |                   |                                          |                              |  |                            |                        |          |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---------|-----------------------------------------------------------------------------------------------------------------------------|--|-------------------|------------------------------------------|------------------------------|--|----------------------------|------------------------|----------|----------|
| 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: A NEW PART NUMBER HAS BEEN ADDED, WHICH WAS PREVIOUSLY RESTRICTED AND IS NOW AVAILABLE FOR GENERAL MARKET |  |                   | <div>molex</div>                         |                              |  |                            |                        |          |          |
| IN/MM                                                                                                                                         |    | NTS   |         |                                                                                                                             |  |                   |                                          |                              |  |                            |                        |          |          |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |    |       |         |                                                                                                                             |  |                   | MINI FIT JR SERIES<br>PLUG W/O MTG. EARS |                              |  |                            |                        |          |          |
|                                                                                                                                               | MM | INCH  |         |                                                                                                                             |  |                   |                                          |                              |  |                            |                        |          |          |
| 4 PLACES                                                                                                                                      | ±  |       | ±       | EC NO: 833966                                                                                                               |  |                   | PRODUCT CUSTOMER DRAWING                 |                              |  |                            |                        |          |          |
| 3 PLACES                                                                                                                                      | ±  |       | ± 0.015 | DRWN: KIRANK2025/08/13                                                                                                      |  |                   |                                          |                              |  |                            |                        |          |          |
| 2 PLACES                                                                                                                                      | ±  | 0.38  | ±       | CHK'D: MADHUP225/09/01                                                                                                      |  |                   |                                          |                              |  |                            |                        |          |          |
| 1 PLACE                                                                                                                                       | ±  |       | ±       | APPR: XQZHANG25/09/15                                                                                                       |  |                   | DOCUMENT NUMBER<br>55590001-SD           |                              |  |                            |                        |          |          |
| 0 PLACES                                                                                                                                      | ±  |       | ±       | INITIAL REVISION:                                                                                                           |  |                   |                                          |                              |  |                            | DOC TYPE               | DOC PART | REVISION |
| ANGULAR TOL ± 0.5 °                                                                                                                           |    |       |         | DRWN: RJF1989/09/22                                                                                                         |  |                   |                                          |                              |  |                            | PSD                    | 000      | A4       |
| APPR: ROS1989/09/22                                                                                                                           |    |       |         |                                                                                                                             |  |                   |                                          |                              |  |                            |                        |          |          |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |    |       |         | THIRD ANGLE PROJECTION<br>             |  | DRAWING<br>C-SIZE | SERIES<br>5559                           | MATERIAL NUMBER<br>SEE TABLE |  | CUSTOMER<br>GENERAL MARKET | SHEET NUMBER<br>2 OF 2 |          |          |

THIS DRAWING REPLACES DRAWING SD-5559-NP1\*

|                                                                       |    |    |    |
|-----------------------------------------------------------------------|----|----|----|
| FORMAT: Eng-lega-master-ib-prod-C<br>REVISION: E1<br>DATE: 2021/05/01 | 12 | 11 | 10 |
|-----------------------------------------------------------------------|----|----|----|