

| 18          |            | 17       |   | 16           |                                                            | 15                      |                                 | 14                                                                                                                     |   | 13 |   | 12 |   | 11         |          | 10                          |            | 9                          |         | 8 |  | 7 |  |
|-------------|------------|----------|---|--------------|------------------------------------------------------------|-------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------|---|----|---|----|---|------------|----------|-----------------------------|------------|----------------------------|---------|---|--|---|--|
| WITHOUT CPA |            | WITH CPA |   | CIRCUIT SIZE | POLARIZATION                                               | CONNECTOR HOUSING COLOR | TESTED WITH THE FEMALE TERMINAL | CAVITY WITH A NUMBER INDICATIES BLOCKED TERMINAL POSITION<br>CAVITY WITHOUT A NUMBER INDICATIES OPEN TERMINAL POSITION |   |    |   |    |   |            |          | TOTAL CIRCUITS PLUGGED      | STATUS     | WIRE DRESS COVER(OPTIONAL) |         |   |  |   |  |
| MOLEX P/N   | MOLEX P/N  | 1        | 2 |              |                                                            |                         |                                 | 3                                                                                                                      | 4 | 5  | 6 | 7  | 8 | HORIZONTAL | VERTICAL |                             |            |                            |         |   |  |   |  |
| 31404-9100  | 31404-9110 | 1X8      | A | BLACK        | TE GEN Y 0.64MM<br>TERMINAL /YAZAKI<br>FLX 0.64MM.TERMINAL |                         |                                 |                                                                                                                        |   |    |   |    |   | 0          | SALABLE  | G1<br>G1<br>G4              | 31414-8600 | 31414-8700                 |         |   |  |   |  |
| 31404-9101  | 31404-9111 |          | A | BLACK        |                                                            |                         |                                 | 3                                                                                                                      |   |    |   |    |   |            | 1        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9102  | 31404-9112 |          | A | BLACK        |                                                            |                         |                                 | 3                                                                                                                      | 4 |    |   |    |   |            | 2        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9103  | 31404-9113 |          | A | BLACK        |                                                            | 1                       |                                 |                                                                                                                        |   |    | 6 |    |   | 8          | 3        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9104  | 31404-9114 |          | A | BLACK        |                                                            | 1                       | 2                               | 3                                                                                                                      | 4 |    |   |    |   |            | 4        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9105  | 31404-9115 |          | A | BLACK        |                                                            | 1                       | 2                               | 3                                                                                                                      | 4 |    | 6 |    |   |            | 5        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9106  | 31404-9116 |          | A | BLACK        |                                                            |                         | 2                               |                                                                                                                        | 4 | 5  | 6 | 7  | 8 |            | 6        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9107  | 31404-9117 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    |   | 7  | 8 |            | 2        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9108  | 31404-9118 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   | 5  |   | 7  | 8 |            | 3        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9109  | 31404-9119 |          | A | BLACK        |                                                            |                         |                                 | 3                                                                                                                      | 4 | 5  |   |    |   |            | 3        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9121  | 31404-9131 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        | 4 |    |   |    |   |            | 1        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9122  | 31404-9132 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    |   |    |   | 7          | 2        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9123  | 31404-9133 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        | 3 |    |   |    |   |            | 2        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9124  | 31404-9134 |          | A | BLACK        |                                                            |                         |                                 | 1                                                                                                                      |   | 3  |   |    |   |            | 3        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9125  | 31404-9135 |          | A | BLACK        |                                                            |                         |                                 | 1                                                                                                                      | 2 |    |   | 6  | 7 |            | 4        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9126  | 31404-9136 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    | 5 | 6  | 7 | 8          | 4        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9127  | 31404-9137 |          | A | BLACK        |                                                            |                         |                                 | 1                                                                                                                      | 2 | 3  | 4 | 6  | 7 |            | 6        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9128  | 31404-9138 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    | 4 | 5  |   | 7          | 3        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9129  | 31404-9139 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    | 4 | 5  | 6 |            | 3        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9141  | 31404-9151 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    |   | 5  |   | 7          | 2        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9142  | 31404-9152 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    |   |    | 6 |            | 1        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9143  | 31404-9153 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        | 2 |    |   |    | 6 |            | 2        |                             |            |                            | SALABLE |   |  |   |  |
| 31404-9144  | 31404-9154 |          | A | BLACK        |                                                            |                         |                                 | 1                                                                                                                      |   | 3  |   |    | 6 |            | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9161  | 31404-9171 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    |   | 6  | 7 | 8          | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9162  | 31404-9172 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        | 2 |    |   |    |   |            | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9163  | 31404-9173 |          | A | BLACK        |                                                            |                         |                                 | 1                                                                                                                      | 2 |    |   |    |   |            | 1        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9182  | 31404-9192 |          | A | BLACK        |                                                            |                         |                                 | 1                                                                                                                      | 2 |    |   | 6  |   |            | 2        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9183  | 31404-9193 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   | 3  |   | 6  |   |            | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9501  | 31404-9511 |          | A | LT.GRAY      |                                                            |                         |                                 | 1                                                                                                                      |   |    | 4 |    | 6 |            | 1        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9502  | 31404-9512 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   | 3  |   |    |   |            | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9503  | 31404-9513 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    |   | 5  | 6 |            | 2        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9522  | 31404-9532 |          | A | BLACK        |                                                            |                         |                                 | 1                                                                                                                      | 2 |    | 4 |    |   |            | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9523  | 31404-9533 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    | 4 |    |   | 7          | 2        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9542  | 31404-9552 |          | A | BLACK        |                                                            |                         |                                 | 1                                                                                                                      | 2 | 3  |   |    |   |            | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9543  | 31404-9553 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        | 2 | 3  |   |    |   |            | 2        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9562  | 31404-9572 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        | 2 | 3  |   |    | 6 |            | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9563  | 31404-9573 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    | 4 | 5  |   |            | 2        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9583  | 31404-9593 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        | 2 | 3  |   |    |   | 7          | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9584  | 31404-9594 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        | 3 |    |   |    | 7 | 8          | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9200  | 31404-9210 |          | B | LT.GRAY      | G2                                                         |                         |                                 | 2                                                                                                                      | 3 |    |   |    | 7 | 8          | 4        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9203  | 31404-9213 |          | B | LT.GRAY      | G2                                                         |                         |                                 |                                                                                                                        |   |    |   |    |   |            | 0        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9204  | 31404-9214 |          | B | LT.GRAY      | G2                                                         |                         |                                 |                                                                                                                        | 3 |    |   |    | 7 | 8          | 3        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9300  | 31404-9310 |          | C | DK.GRAY      |                                                            |                         |                                 | 2                                                                                                                      | 3 |    |   |    | 7 | 8          | 4        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9400  | 31404-9410 |          | D | TBD          |                                                            |                         |                                 |                                                                                                                        |   |    |   |    |   |            | 0        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9001  | 31404-9006 |          | B | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    |   |    |   |            | 0        | NOT TOOL                    |            |                            |         |   |  |   |  |
| 31404-9002  | 31404-9007 |          | C | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    |   |    |   |            | 0        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9003  | 31404-9008 |          | C | LT.GRAY      |                                                            |                         |                                 |                                                                                                                        |   |    |   |    |   |            | 0        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9004  | 31404-9009 |          | A | DK.GRAY      |                                                            |                         |                                 |                                                                                                                        |   |    |   |    |   |            | 0        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9005  | 31404-9010 |          | B | DK.GRAY      |                                                            |                         |                                 |                                                                                                                        |   |    |   |    |   |            | 0        | SALABLE                     |            |                            |         |   |  |   |  |
| 31404-9184  | 31404-9194 |          | A | BLACK        |                                                            |                         |                                 |                                                                                                                        |   |    | 6 |    | 8 | 2          | SALABLE  | G8<br>G8<br>G8<br>G8<br>G10 |            |                            |         |   |  |   |  |

| TABLE OF CONTENTS |                           |
|-------------------|---------------------------|
| SHEET NO.         | SHEET DESCRIPTION         |
| 1                 | NOTE                      |
| 2                 | BOM                       |
| 3                 | KEY CONFIGURATION         |
| 4                 | WIRE DRESS COVER ASSEMBLY |

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-31402-000
- DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN USCAR INTERFACE DRAWING FOR SINGLE ROW SEALED 0.64 SYSTEMS. 064-S-008-1-Z02.
- ASSEMBLY SHIPPED WITH TPA IN PRE-SET POSITION (SEE SECTION Z-Z) UPON FULL TERMINAL ASSEMBLY, TPA MUST BE SNAPPED INTO ITS FINAL LOCK POSITION AFTER TERMINALS ARE ASSEMBLED (SEE SECTION Y-Y)
- TPA'S MAY BECOME SEATED DURING TRANSIT. IF THIS OCCURS, TPA'S SHOULD BE MOVED TO THE PRE-LOCKED POSITION PRIOR TO FEMALE TERMINAL INSTALLATION.
- REFERENCE PRODUCT SPECIFICATION: PS-34646-001.
- SYSTEM TO BE USED WITH WIRE WITHIN RANGE OF:
- >SAE 22 AWG TO 18 AWG
- >ISO 0.35MM<sup>2</sup> TO 0.75MM<sup>2</sup> PER GMW156256
- >CABLE OUTSIDE DIAMETER: FROM 1.2MM TO1.9 MM
- b. PRODUCT SPECIFICATION SEE: PS-31404-001
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-256
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
- a. SEE BOM TABLE IN PAGE 2
3. DESIGN - GEOMETRY:
- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION
- b. DATE CODE: FIRST TWO DIGITS ARE THE CALENDAR YEAR (EXAMPLE: 13 = 2013), THIRD THROUGH 5TH DIGIT DAY # OF THE CALENDAR YEAR (EXAMPLE: FEB. 3RD = '034').
- c. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)

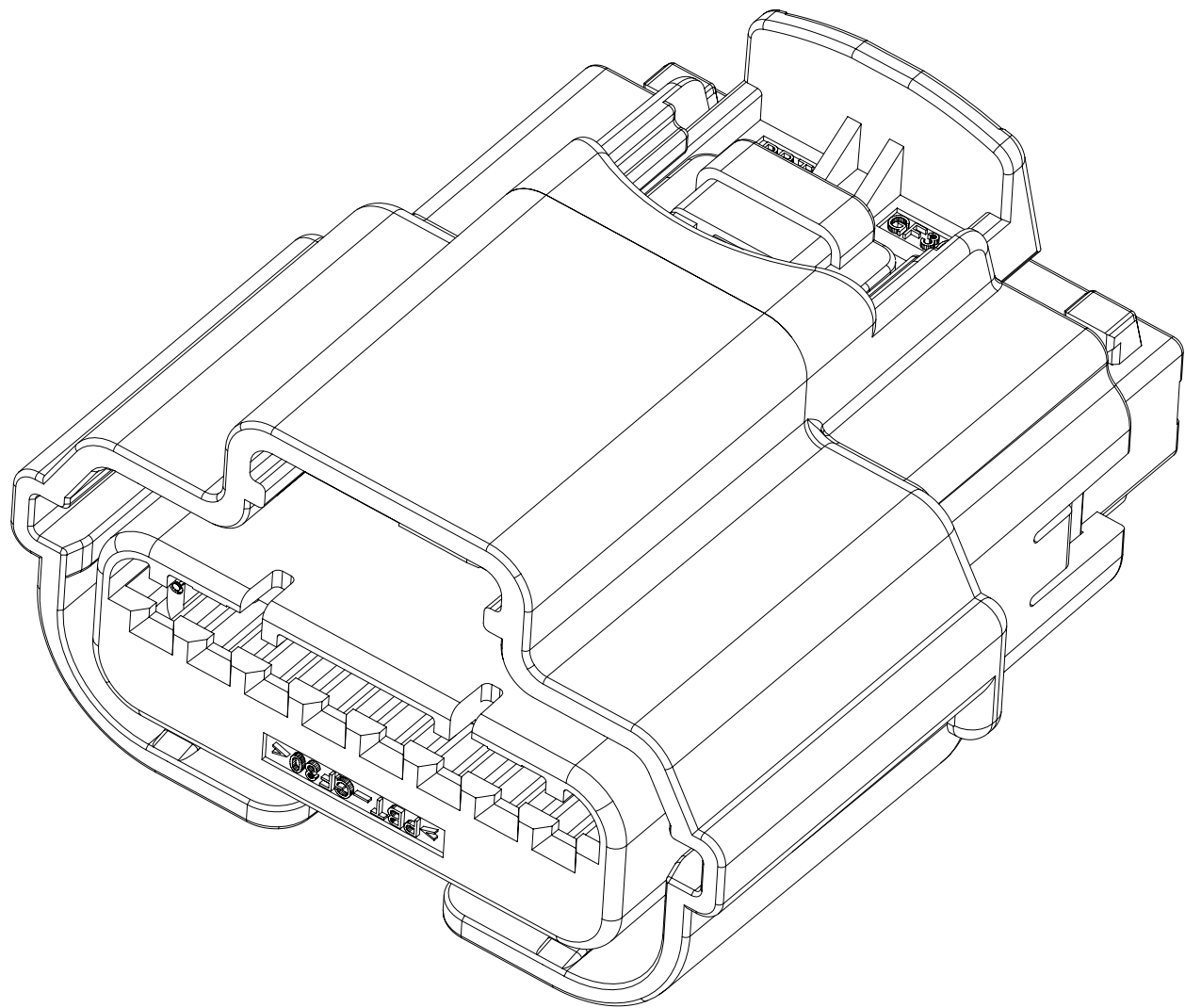
PART NUMBER LEGEND  
CONNECTOR ASSEMBLY  
31404-9XXX

0 - ALL CIRCUITS OPEN  
1-9 - SEE CHART

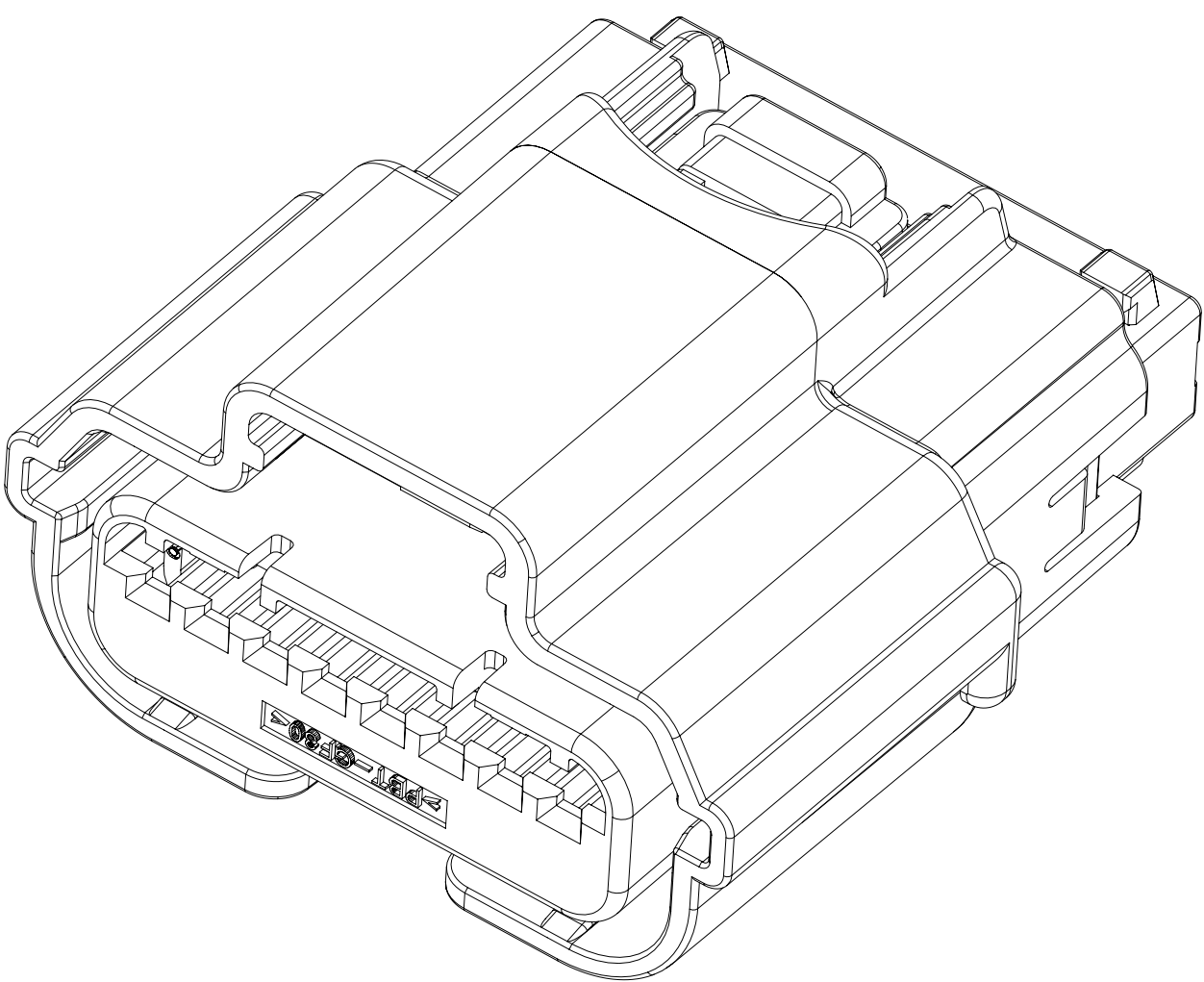
CPA OPTION  
0, 2, 4, 6 OR 8 WITHOUT CPA  
1, 3, 5, 7 OR 9 WITH CPA  
POLARIZATION OPTION  
1 OR 5- POLARIZATION A  
2 OR 6- POLARIZATION B  
3 OR 7- POLARIZATION C  
4 OR 8- POLARIZATION D

|     |                                                                                                         |
|-----|---------------------------------------------------------------------------------------------------------|
| G10 | ADD P/N: 31404-9184/9194                                                                                |
| G9  | UPDATE CONFIGURATION FOR P/N 31404-9144/9154                                                            |
| G8  | ADD P/N: 31404-9001 TO 9010, 31404-9144/9154                                                            |
| G7  | ADD P/N: 31404-9128/9138, 31404-9129/9139                                                               |
| G6  | ADD P/N: 31404-9127/9137                                                                                |
| G5  | ADD P/N: 31404-9125/9135                                                                                |
| G4  | ADD P/N: 31404-9109/9119                                                                                |
| G3  | ADD P/N: 31404-9203/9213, DELETE OBSOLETE P/Ns (31404-8XXX)                                             |
| G2  | UPDATE COLOR DESCRIPTION                                                                                |
| G1  | ADD P/N: 31404-9107/9117, 31404-9108/9118                                                               |
| G   | OBSOLETE P/N 31404-8XXX<br>ADD NEW P/N 31404-9501/31404-9511                                            |
| F   | ADD P/N 31404-9583/9593, 31404-9584/9594 AND 31404-9204/9214<br>CHANGE STATUS FROM "TOOED" TO "SALABLE" |
| E6  | CHANGE P/N 31401-9101 TO 31404-9101                                                                     |
| E3  | ADD P/N: 31404-8563/8573 AND 31404-9563/9573                                                            |
| E2  | ADD P/N: 31404-8126/8136 AND 31404-9126/9136                                                            |
| E1  | ADD P/N: 31404-8106/8116 AND 31404-9106/9116                                                            |
| E   | ADD P/N:31404-9XXX BASED ON THE PRODUCT UPGRADE                                                         |
| D3  | ADD P/N: 31404-8562, 31404-8572,                                                                        |
| D2  | ADD P/N: 31404-8161 AND 31404-8171 31404-8542 AND 31404-8552 AND MANUFACTURING LOCATION ID              |
| D1  | ADD P/N: 31404-8522 AND 31404-8532                                                                      |
| D   | ADD P/N: 31404-8502 AND 31404-8512                                                                      |
| C2  | UPDATE NOTE 1_a ADD TE TERMINAL IN THE LIST                                                             |
| C1  | UPDATE TERMINAL AND WIRE INFORMATON                                                                     |
| C   | ADD WIRE DRESS CONVER P/N.                                                                              |
| B   | ADD P/N                                                                                                 |
| A   | INITIAL RELEASE SAP # 10647976                                                                          |
| REV | REV DESCRIPTION                                                                                         |

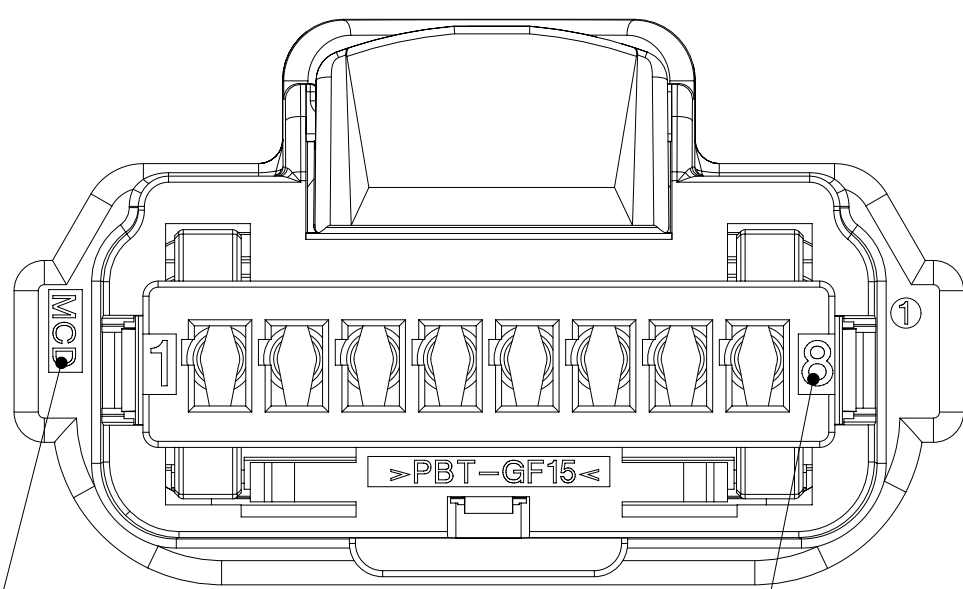
| INSPECTION BALLOON NUMBER LOG |  |
|-------------------------------|--|
| PER DRAWING REVISION: F       |  |
| LAST BALLOON NUMBER USED: 4   |  |
| ADDED BALLOON NUMBERS:        |  |
| REMOVED BALLOON NUMBERS:      |  |



WITH CPA



WITHOUT CPA



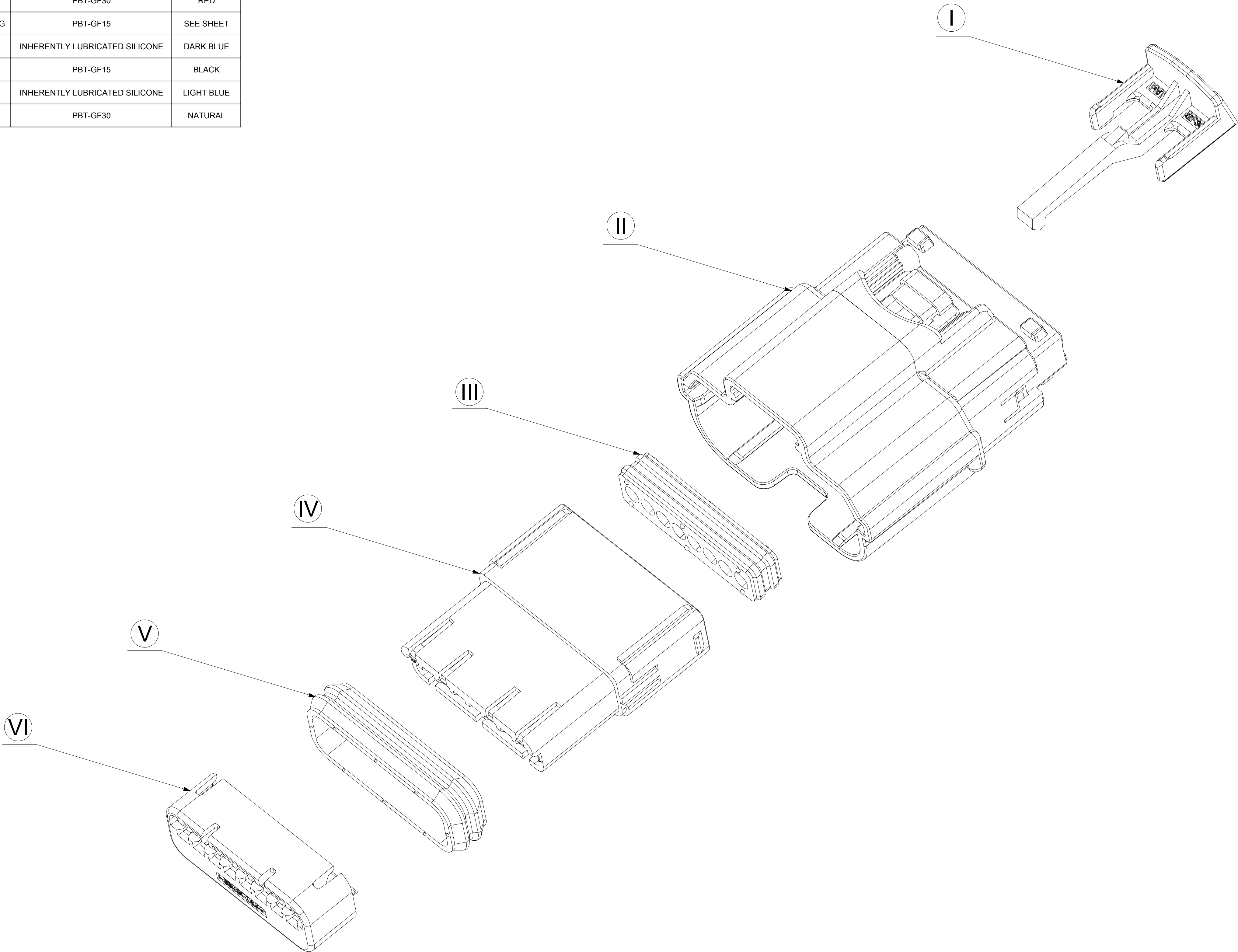
CIRCUIT ID

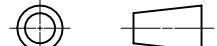
MANUFACTURING  
LOCATION ID

| SYMBOLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |                                   |                           |  |  |                          |                                                                                |  |     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|-----------------------------------|---------------------------|--|--|--------------------------|--------------------------------------------------------------------------------|--|-----|--|
| <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> | DIMENSION UNITS                                                                                                                               |  | SCALE |                                   | CURRENT REV DESC:         |  |  |                          | <div>molex</div> <div>USCAR 0.64MM 8 WAY<br/>ADD NEW P/N: 314049184/9194</div> |  |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | mm                                                                                                                                            |  | 4:1   |                                   |                           |  |  |                          |                                                                                |  |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |       |                                   | EC NO: 662414             |  |  |                          | PRODUCT CUSTOMER DRAWING                                                       |  |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ANGULAR TOL ± 1.0 °                                                                                                                           |  |       |                                   | DRWN: MCHEN37 2021/04/29  |  |  |                          |                                                                                |  |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4 PLACES ±                                                                                                                                    |  |       |                                   | CHK'D: JDENG02 2021/05/18 |  |  |                          |                                                                                |  |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 PLACES ±                                                                                                                                    |  |       |                                   | APPR: JDENG02 2021/05/18  |  |  |                          | DOCUMENT NUMBER<br>SD-31404-811                                                |  |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 PLACES ± 0.13                                                                                                                               |  |       |                                   | INITIAL REVISION:         |  |  |                          |                                                                                |  |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 PLACE ± 0.25                                                                                                                                |  |       |                                   | DRWN: GLI04 2014/06/12    |  |  |                          | REVISION                                                                       |  | G10 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0 PLACES ±                                                                                                                                    |  |       |                                   | APPR: DC LISLE 2014/07/28 |  |  |                          | MATERIAL NUMBER<br>CUSTOMER<br>SHEET NUMBER                                    |  |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |                                   | THIRD ANGLE PROJECTION    |  |  |                          |                                                                                |  |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                               |  |       | <div><div></div><div></div></div> |                           |  |  | GENERAL MARKET<br>1 OF 4 |                                                                                |  |     |  |

|                   |
|-------------------|
| SHEET DESCRIPTION |
| BOM               |

| ITEM NO. | DESCRIPTION       | MATERIAL                       | COLOR      |
|----------|-------------------|--------------------------------|------------|
| I        | CPA               | PBT-GF30                       | RED        |
| II       | CONNECTOR HOUSING | PBT-GF15                       | SEE SHEET  |
| III      | MATTE SEAL        | INHERENTLY LUBRICATED SILICONE | DARK BLUE  |
| IV       | TERMINAL HOUSING  | PBT-GF15                       | BLACK      |
| V        | PERIPHERAL SEAL   | INHERENTLY LUBRICATED SILICONE | LIGHT BLUE |
| VI       | TPA               | PBT-GF30                       | NATURAL    |

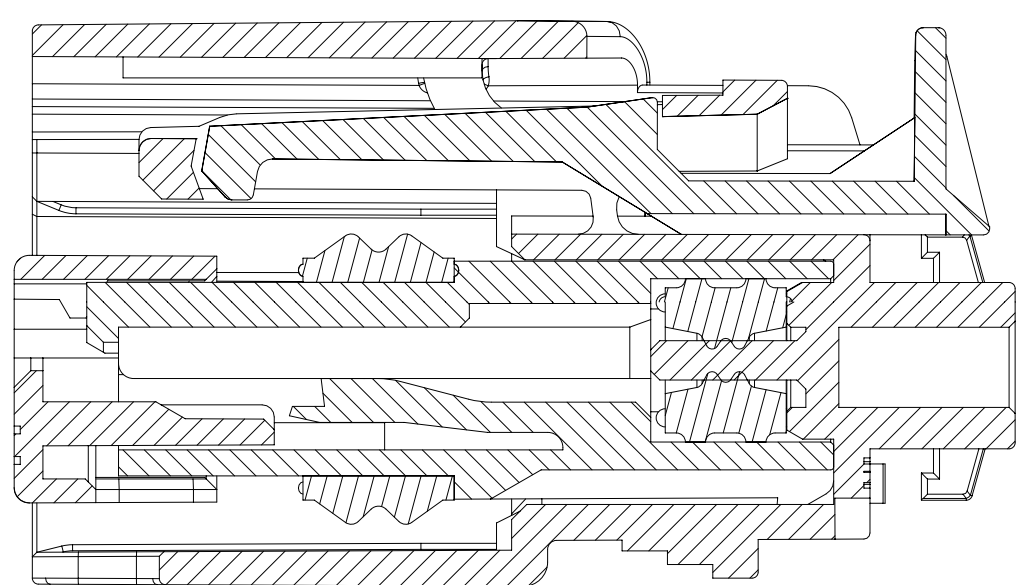


| SYMBOLS                                                                                                                                                                                                                                                                                                                                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                       |                        |         |                                                                                                                                                                                                             |       |  |  |                                                   |                |          |        |                 |  |          |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|--|---------------------------------------------------|----------------|----------|--------|-----------------|--|----------|--|
| <div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div> | DIMENSION UNITS                                                                                                                               |                                                                                       | SCALE                  |         | CURRENT REV DESC:<br><br>EC NO: 662414<br>DRWN: MCHEN37 2021/04/29<br>CHK'D: JDENG02 2021/05/18<br>APPR: JDENG02 2021/05/18<br><br>INITIAL REVISION:<br>DRWN: GLI04 2014/06/12<br>APPR: DC_LISLE 2014/07/28 |       |  |  | molex                                             |                |          |        |                 |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                       | 4:1                                                                                                                                           |                                                                                       |                        |         |                                                                                                                                                                                                             |       |  |  |                                                   |                |          |        |                 |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                                                                                       |                        |         |                                                                                                                                                                                                             |       |  |  | USCAR 0.64MM 8 WAY<br>ADD NEW P/N: 314049184/9194 |                |          |        |                 |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                       | ANGULAR TOL                                                                                                                                   |                                                                                       | ± 1.0 °                |         |                                                                                                                                                                                                             |       |  |  |                                                   |                |          |        |                 |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                       | 4 PLACES                                                                                                                                      |                                                                                       | ±                      |         |                                                                                                                                                                                                             |       |  |  |                                                   |                |          |        |                 |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                       | 3 PLACES                                                                                                                                      |                                                                                       | ±                      |         |                                                                                                                                                                                                             |       |  |  | PRODUCT CUSTOMER DRAWING                          |                |          |        |                 |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                       | 2 PLACES                                                                                                                                      |                                                                                       | ± 0.13                 |         |                                                                                                                                                                                                             |       |  |  |                                                   |                |          |        |                 |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                       | 1 PLACE                                                                                                                                       |                                                                                       | ± 0.25                 |         |                                                                                                                                                                                                             |       |  |  | DOCUMENT NUMBER                                   |                | DOC TYPE |        | DOC PART        |  | REVISION |  |
|                                                                                                                                                                                                                                                                                                                                                       | 0 PLACES                                                                                                                                      |                                                                                       | ±                      |         |                                                                                                                                                                                                             |       |  |  | SD-31404-811                                      |                | PSD      |        | 001             |  | G10      |  |
|                                                                                                                                                                                                                                                                                                                                                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |                                                                                       | THIRD ANGLE PROJECTION |         |                                                                                                                                                                                                             |       |  |  | DRAWING                                           |                | SERIES   |        | MATERIAL NUMBER |  | CUSTOMER |  |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                               |  |                        | A1-SIZE |                                                                                                                                                                                                             | 31404 |  |  |                                                   | GENERAL MARKET |          | 2 OF 4 |                 |  |          |  |

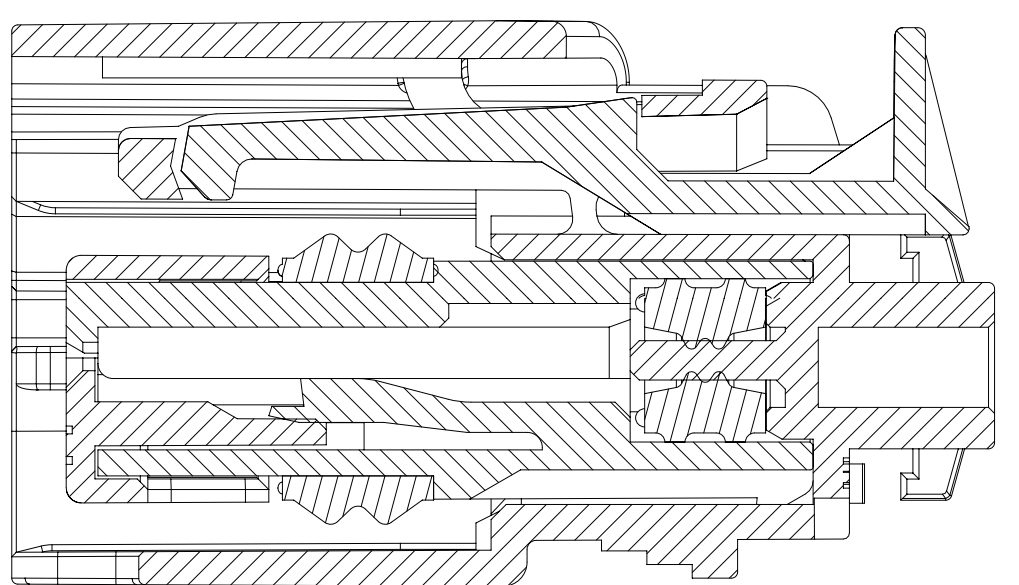
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| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/05/18 01:31:59 |
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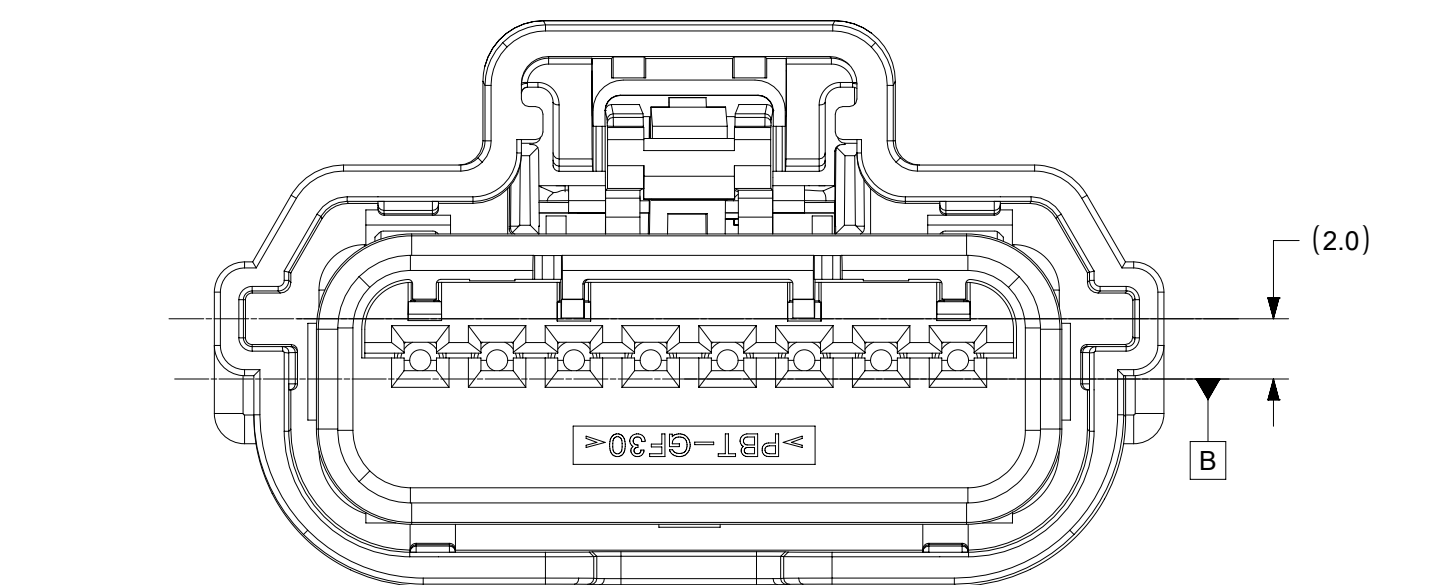
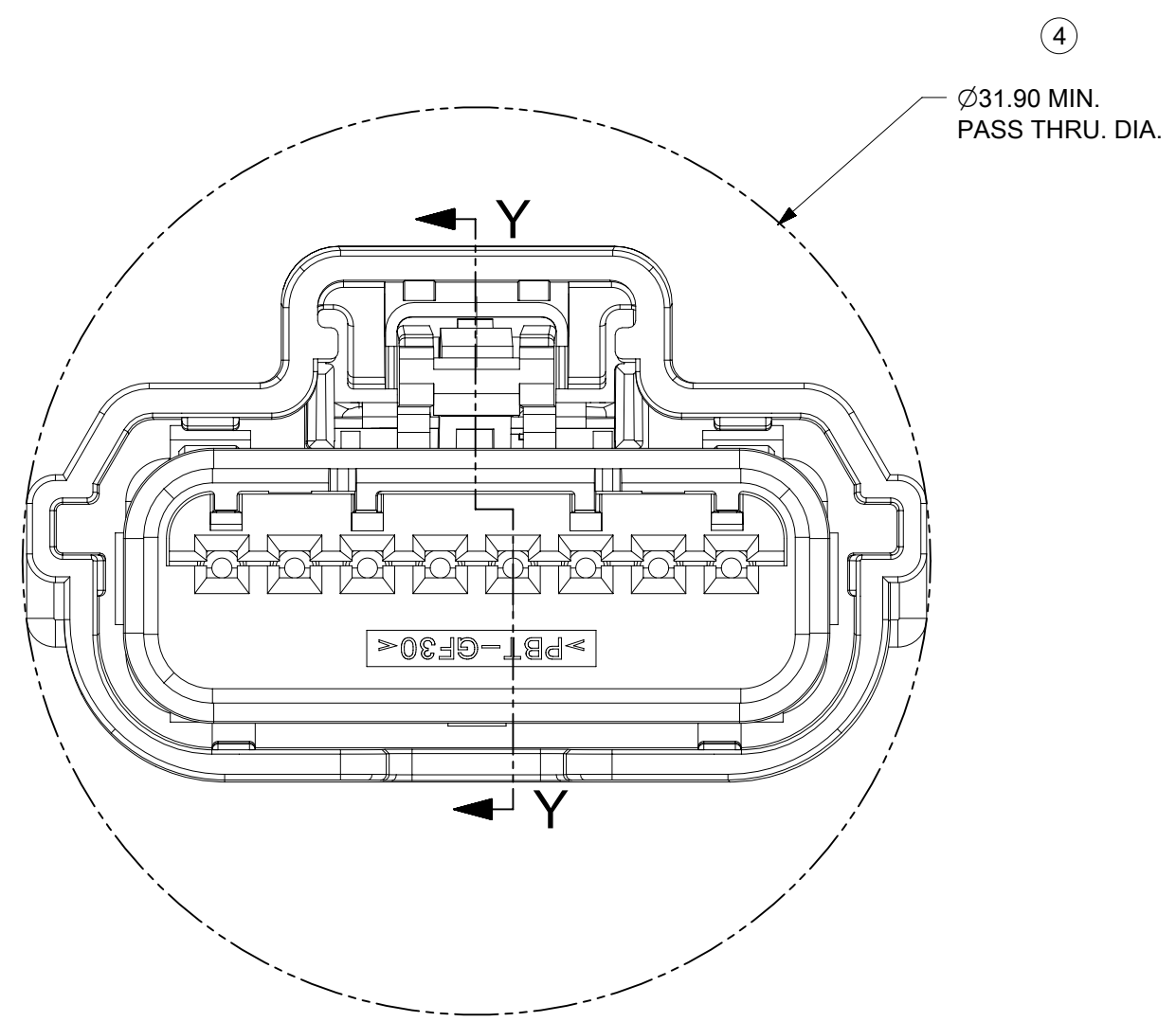
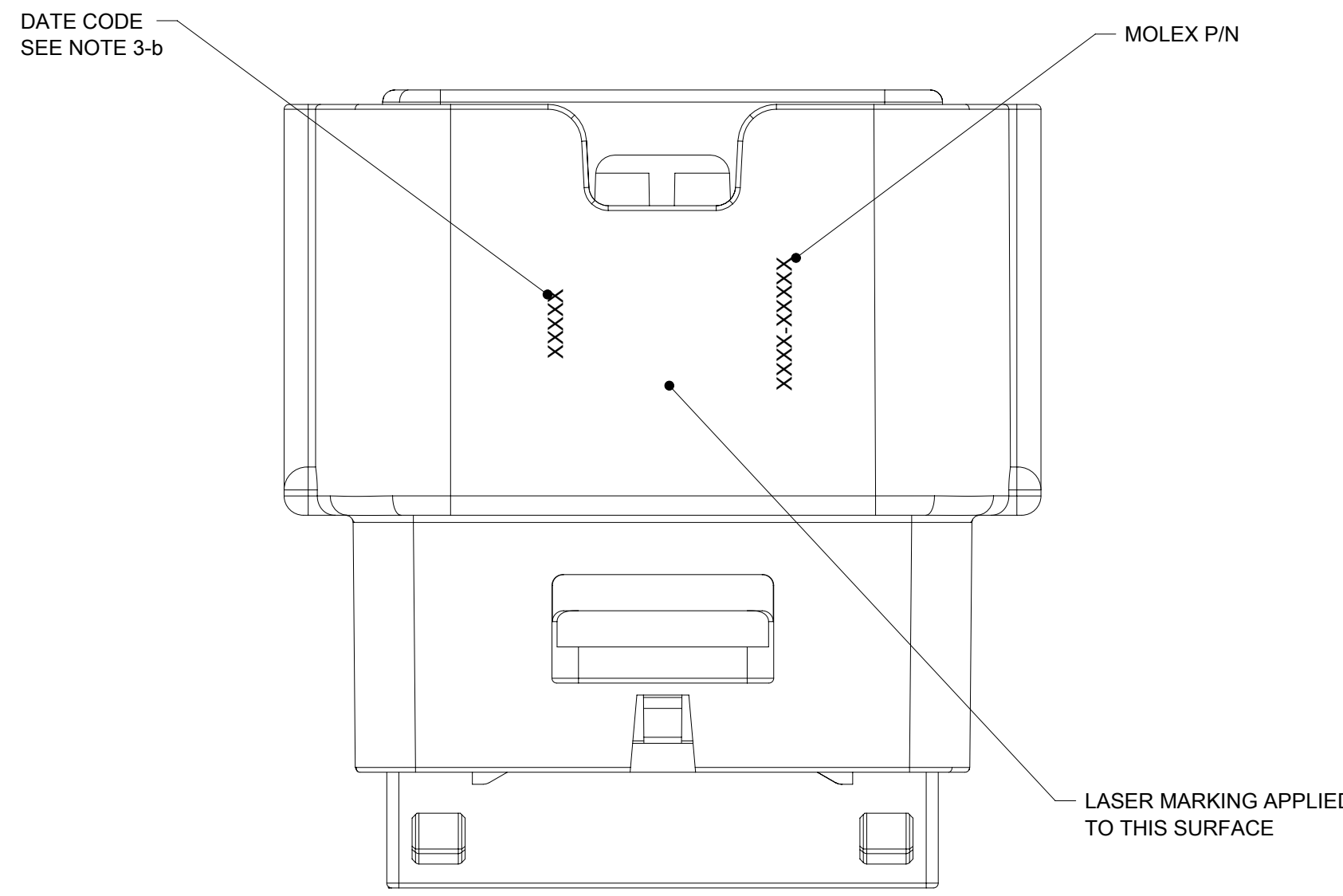
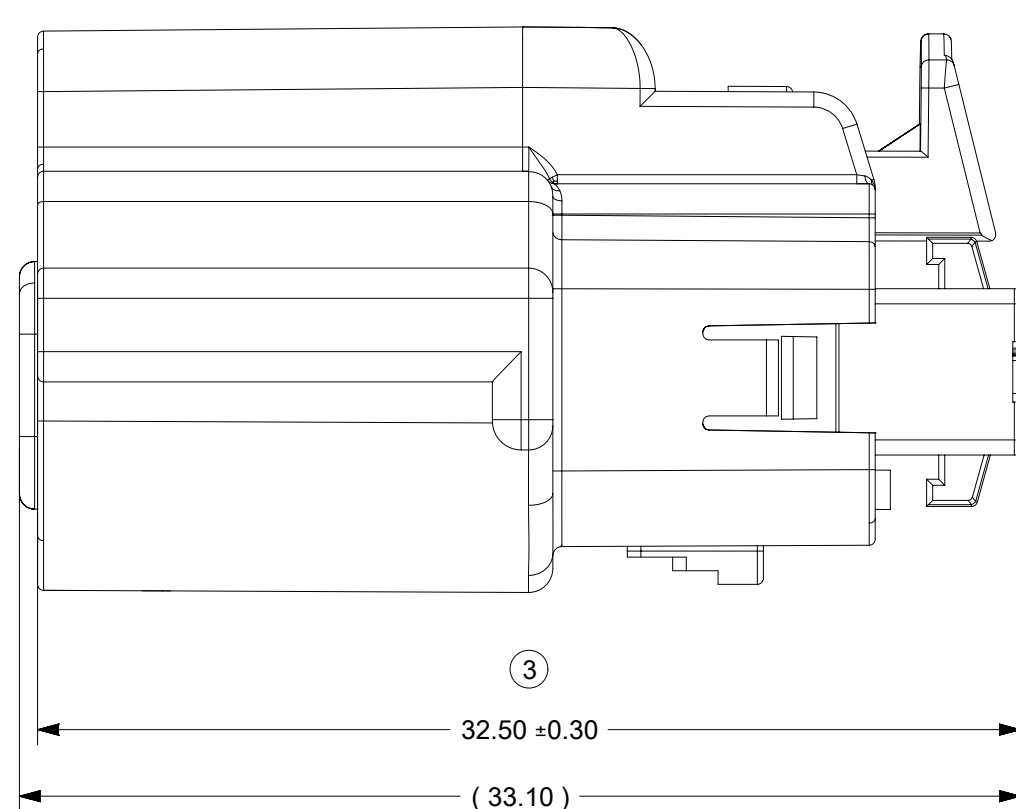
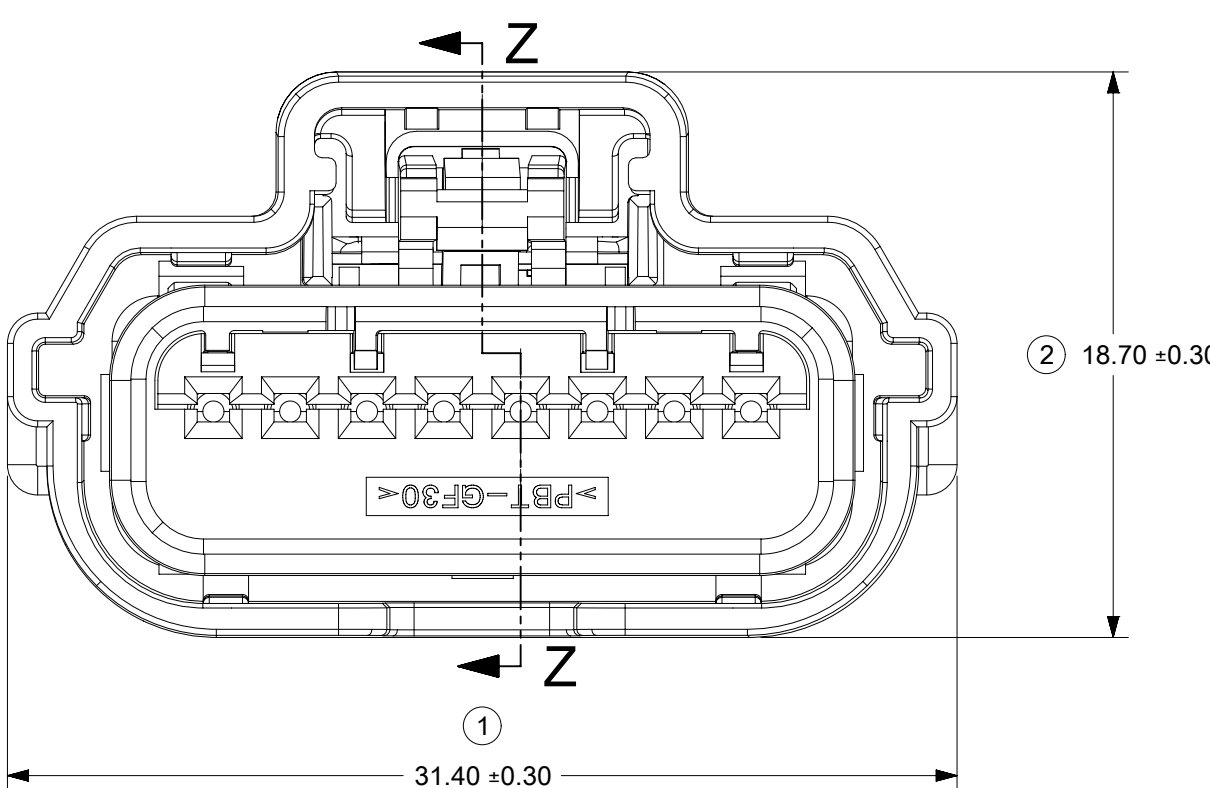
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| SHEET DESCRIPTION  |
| KEY CONFIGURATIONS |



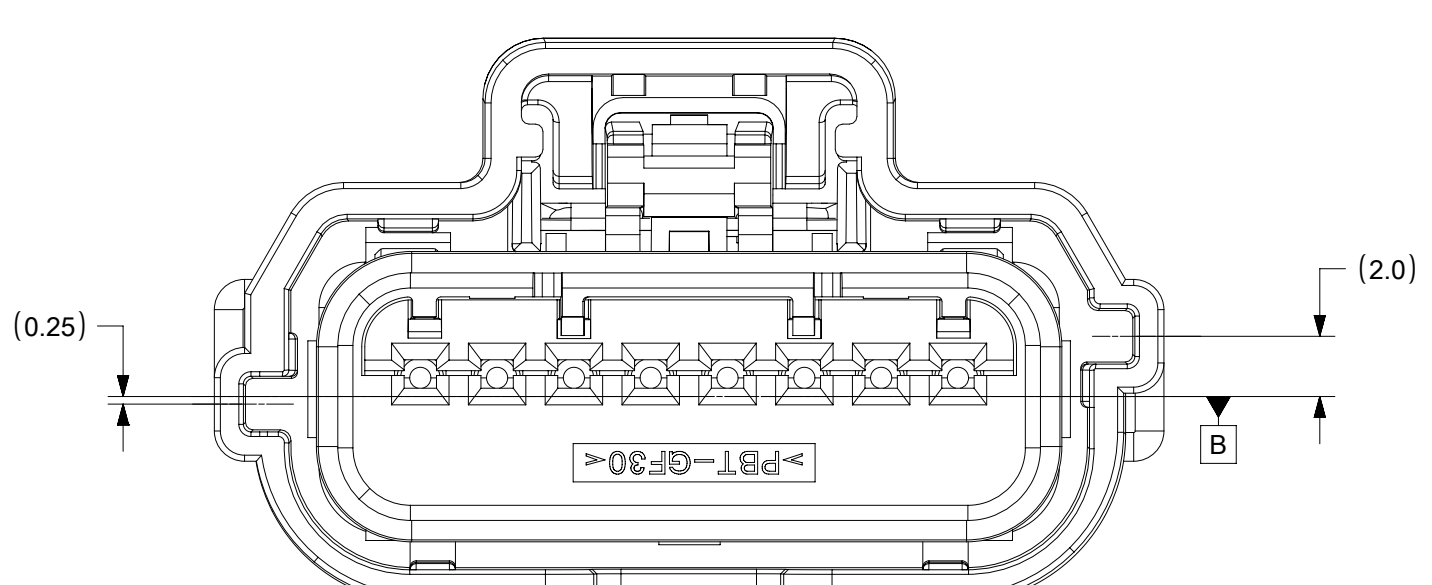
SECTION Z-Z  
TPA SHOWN IN AS-SHIPPED  
PRE-SET POSITION  
SEE NOTE 1-a



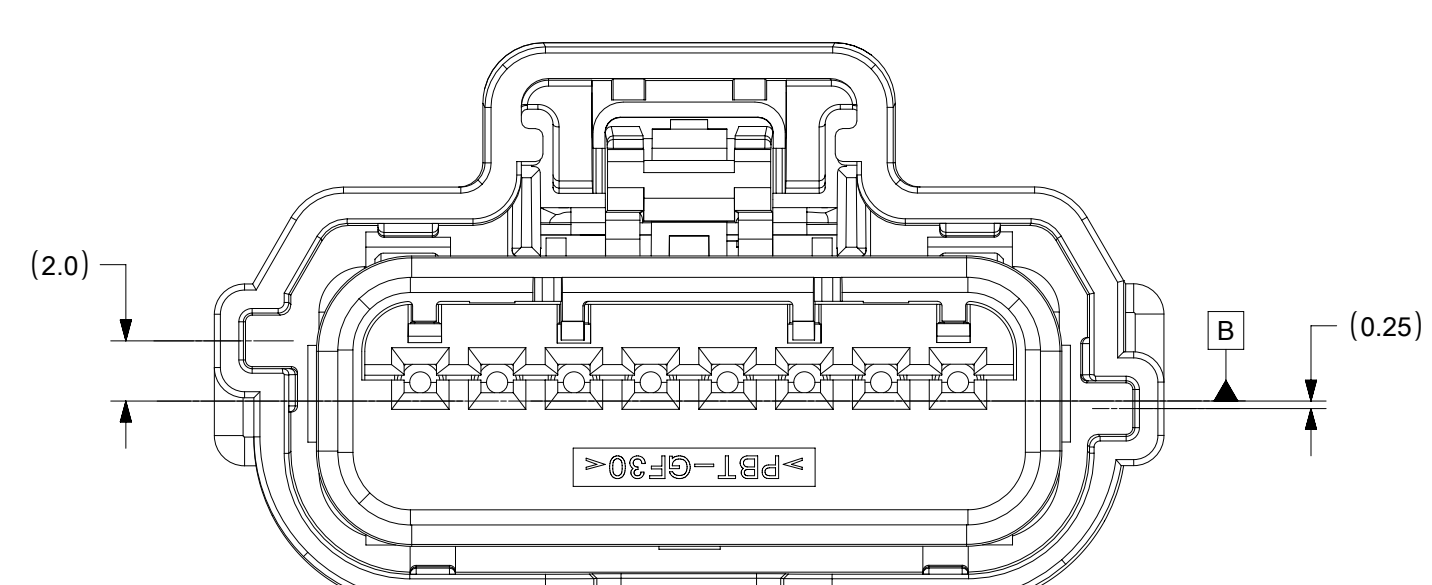
SECTION Y-Y  
TPA SHOWN IN FINAL  
LOCK POSITION POSITION  
SEE NOTE 1-a



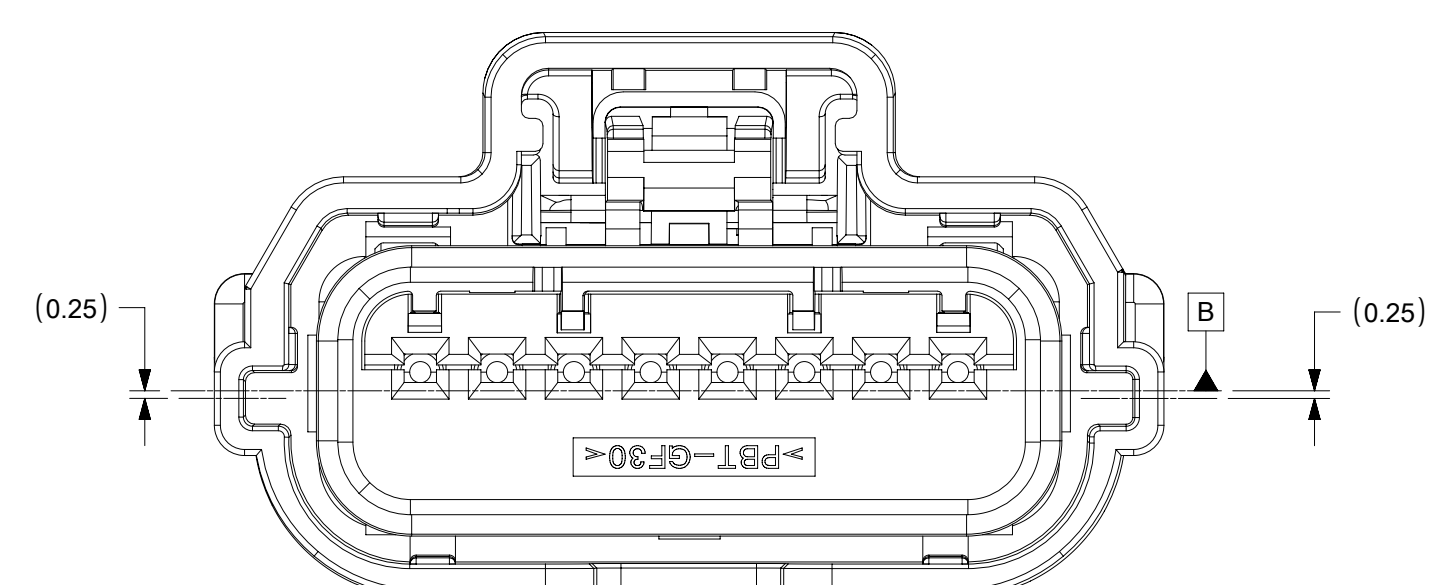
POLARIZATION A



POLARIZATION B



POLARIZATION C



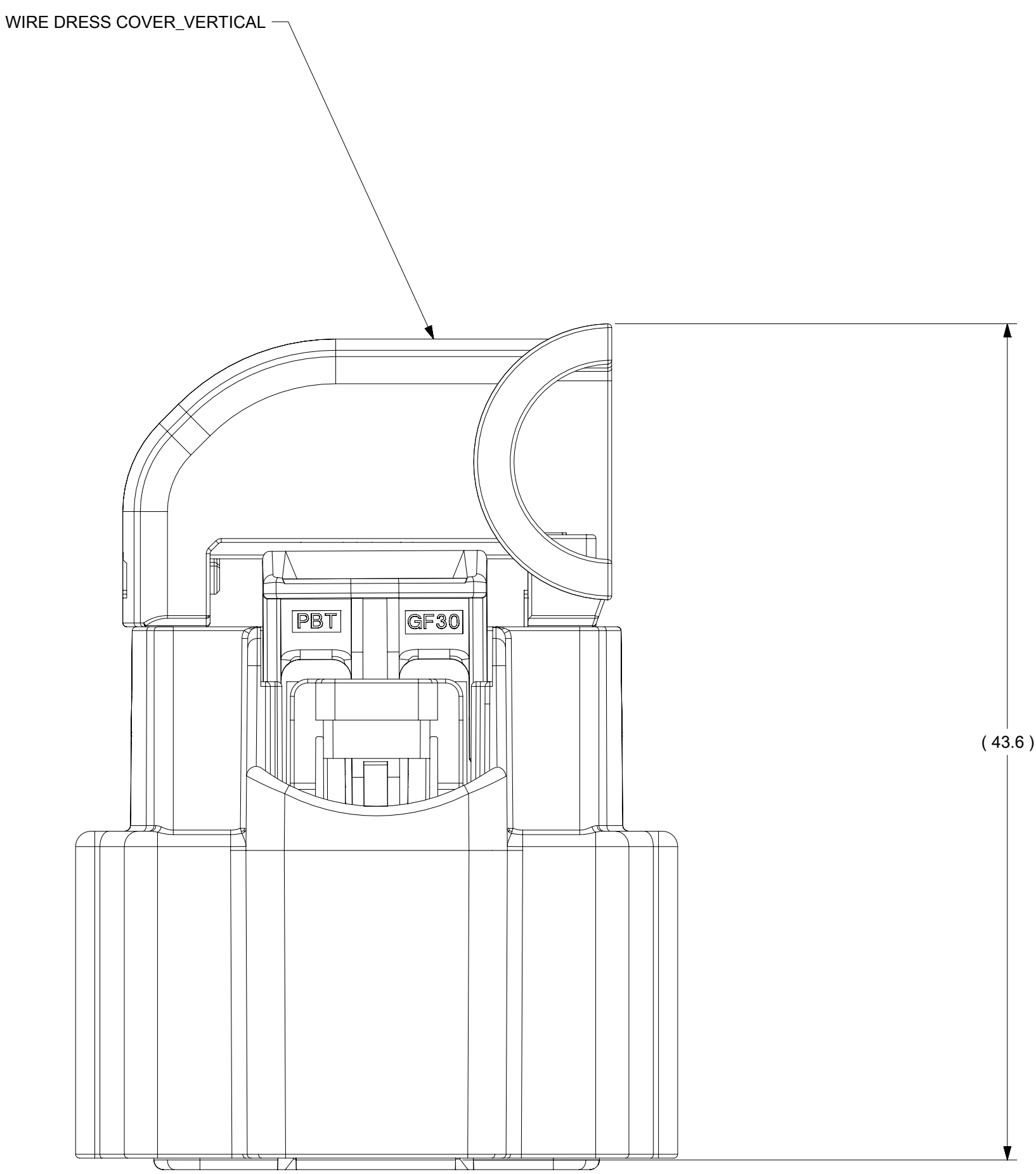
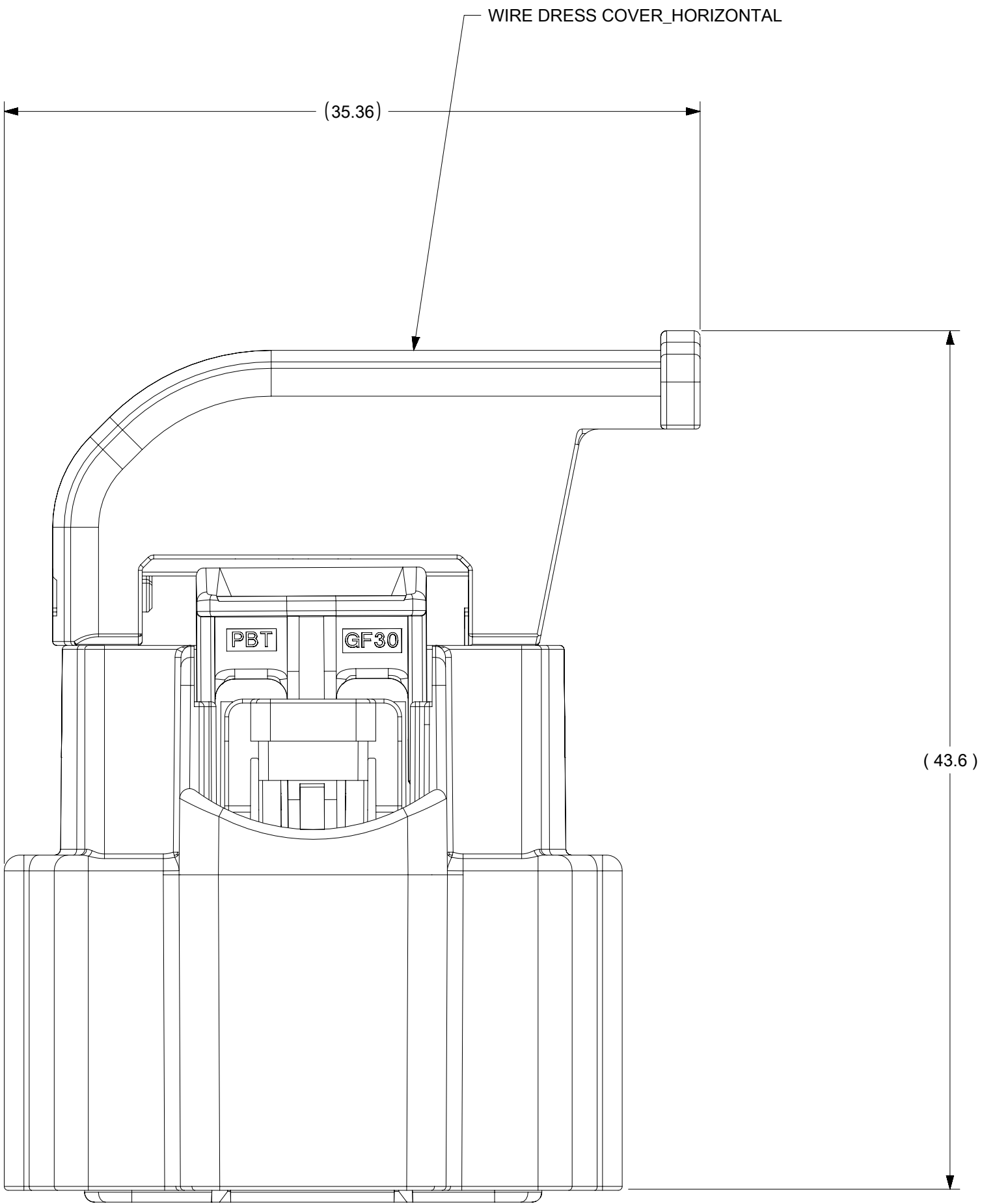
POLARIZATION D

| SYMBOLS                                                                                                                                                                                                                                                                                                                                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                        |  |                                                                                                                                                                                                             |  |  |                                                                           |       |                |              |  |          |
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| <div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div> | DIMENSION UNITS                                                                                                                               |  | SCALE                  |  | CURRENT REV DESC:<br><br>EC NO: 662414<br>DRWN: MCHEN37 2021/04/29<br>CHK'D: JDENG02 2021/05/18<br>APPR: JDENG02 2021/05/18<br><br>INITIAL REVISION:<br>DRWN: GLI04 2014/06/12<br>APPR: DC LISLE 2014/07/28 |  |  | <div>molex</div><br><br>USCAR 0.64MM 8 WAY<br>ADD NEW P/N: 314049184/9194 |       |                |              |  |          |
|                                                                                                                                                                                                                                                                                                                                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |                        |  |                                                                                                                                                                                                             |  |  |                                                                           |       |                |              |  |          |
|                                                                                                                                                                                                                                                                                                                                                       | ANGULAR TOL ± 1.0 °                                                                                                                           |  |                        |  |                                                                                                                                                                                                             |  |  | PRODUCT CUSTOMER DRAWING                                                  |       |                |              |  |          |
|                                                                                                                                                                                                                                                                                                                                                       | 4 PLACES ±                                                                                                                                    |  | DOCUMENT NUMBER        |  |                                                                                                                                                                                                             |  |  |                                                                           |       |                |              |  | DOC TYPE |
|                                                                                                                                                                                                                                                                                                                                                       | 3 PLACES ±                                                                                                                                    |  | SD-31404-811           |  |                                                                                                                                                                                                             |  |  | PSD                                                                       | 001   | G10            |              |  |          |
|                                                                                                                                                                                                                                                                                                                                                       | 2 PLACES ± 0.13                                                                                                                               |  | MATERIAL NUMBER        |  |                                                                                                                                                                                                             |  |  | CUSTOMER                                                                  |       |                | SHEET NUMBER |  |          |
|                                                                                                                                                                                                                                                                                                                                                       | 1 PLACE ± 0.25                                                                                                                                |  |                        |  |                                                                                                                                                                                                             |  |  |                                                                           |       |                |              |  |          |
|                                                                                                                                                                                                                                                                                                                                                       | 0 PLACES ±                                                                                                                                    |  | THIRD ANGLE PROJECTION |  |                                                                                                                                                                                                             |  |  | DRAWING                                                                   |       |                | SERIES       |  |          |
|                                                                                                                                                                                                                                                                                                                                                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  |                        |  |                                                                                                                                                                                                             |  |  |                                                                           |       |                |              |  |          |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                               |  |                        |  |                                                                                                                                                                                                             |  |  | A1-SIZE                                                                   | 31404 | GENERAL MARKET |              |  |          |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                               |  |                        |  |                                                                                                                                                                                                             |  |  |                                                                           |       |                |              |  |          |

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|                           |
|---------------------------|
| SHEET DESCRIPTION         |
| WIRE DRESS COVER ASSEMBLY |



| SYMBOLS                                                                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                                       |  |                                                                                                    |  |        |                          |                 |                                                   |                |  |          |  |              |  |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------|--|--------|--------------------------|-----------------|---------------------------------------------------|----------------|--|----------|--|--------------|--|
|  = 0 | DIMENSION UNITS                                                                                                                               |  | SCALE                                                                                 |  | CURRENT REV DESC:                                                                                  |  |        |                          |                 | <div>molex</div>                                  |                |  |          |  |              |  |
|                                                                                           | mm                                                                                                                                            |  | 4:1                                                                                   |  |                                                                                                    |  |        |                          |                 |                                                   |                |  |          |  |              |  |
|  = 0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |                                                                                       |  | EC NO: 662414<br>DRWN: MCHEN37 2021/04/29<br>CHK'D: JDENG02 2021/05/18<br>APPR: JDENG02 2021/05/18 |  |        |                          |                 | USCAR 0.64MM 8 WAY<br>ADD NEW P/N: 314049184/9194 |                |  |          |  |              |  |
|  = 0 |                                                                                                                                               |  |                                                                                       |  |                                                                                                    |  |        |                          |                 |                                                   |                |  |          |  |              |  |
|  = 0 | ANGULAR TOL ± 1.0 °                                                                                                                           |  |                                                                                       |  |                                                                                                    |  |        |                          |                 |                                                   |                |  |          |  |              |  |
|  = 0 | 4 PLACES ±                                                                                                                                    |  |                                                                                       |  |                                                                                                    |  |        |                          |                 |                                                   |                |  |          |  |              |  |
|  = 0 | 3 PLACES ±                                                                                                                                    |  | INITIAL REVISION:<br>DRWN: GLI04 2014/06/12<br>APPR: DC_LISLE 2014/07/28              |  |                                                                                                    |  |        | PRODUCT CUSTOMER DRAWING |                 |                                                   |                |  |          |  |              |  |
|  = 0 | 2 PLACES ± 0.13                                                                                                                               |  |                                                                                       |  |                                                                                                    |  |        |                          |                 |                                                   |                |  |          |  |              |  |
|  = 0 | 1 PLACE ± 0.25                                                                                                                                |  |                                                                                       |  |                                                                                                    |  |        |                          |                 |                                                   |                |  |          |  |              |  |
|  = 0 | 0 PLACES ±                                                                                                                                    |  |                                                                                       |  |                                                                                                    |  |        |                          |                 |                                                   |                |  |          |  |              |  |
|  = 0 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  | THIRD ANGLE PROJECTION                                                                |  | DRAWING                                                                                            |  | SERIES |                          | DOCUMENT NUMBER |                                                   | DOC TYPE       |  | DOC PART |  | REVISION     |  |
|  = 0 |                                                                                                                                               |  |  |  | A1-SIZE                                                                                            |  | 31404  |                          | SD-31404-811    |                                                   | PSD            |  | 001      |  | G10          |  |
|  = 0 |                                                                                                                                               |  |                                                                                       |  |                                                                                                    |  |        |                          | MATERIAL NUMBER |                                                   | CUSTOMER       |  |          |  | SHEET NUMBER |  |
|  = 0 |                                                                                                                                               |  |                                                                                       |  |                                                                                                    |  |        |                          |                 |                                                   | GENERAL MARKET |  |          |  | 4 OF 4       |  |

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| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/05/18 01:31:59 |
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