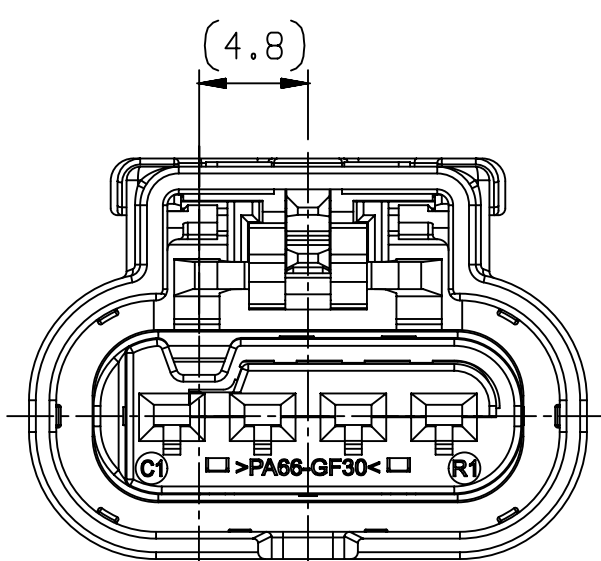
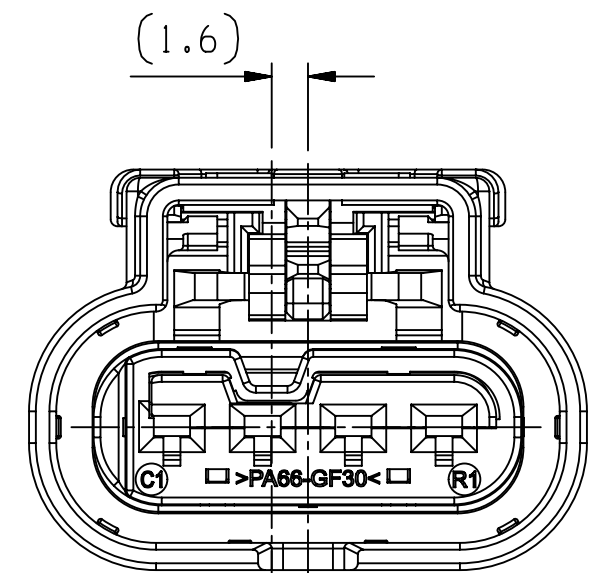
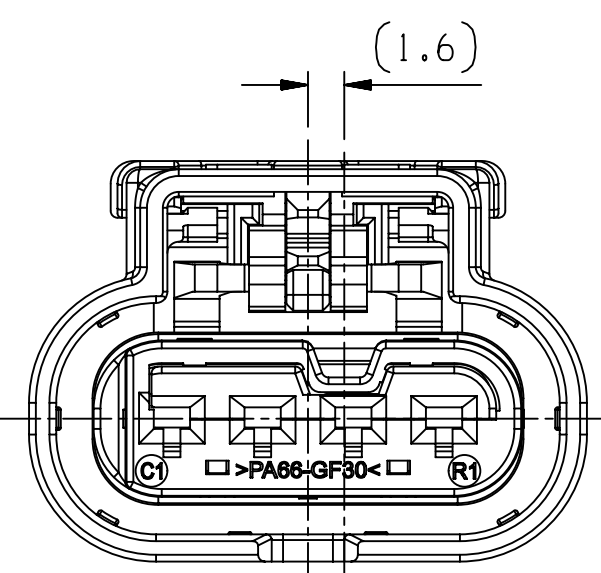




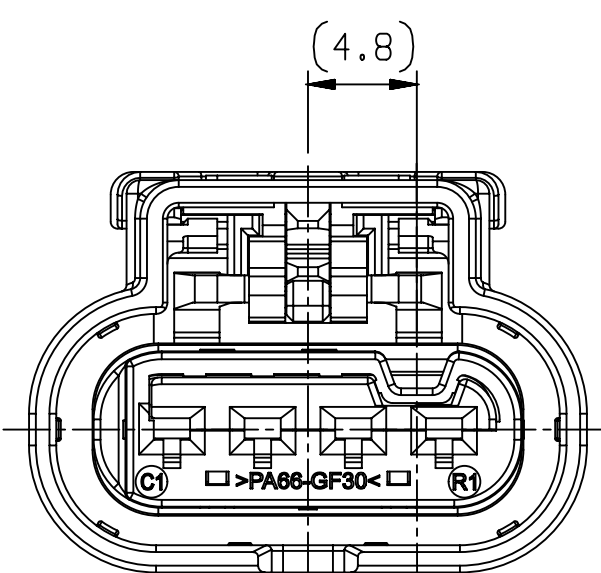
KEY A



KEY B

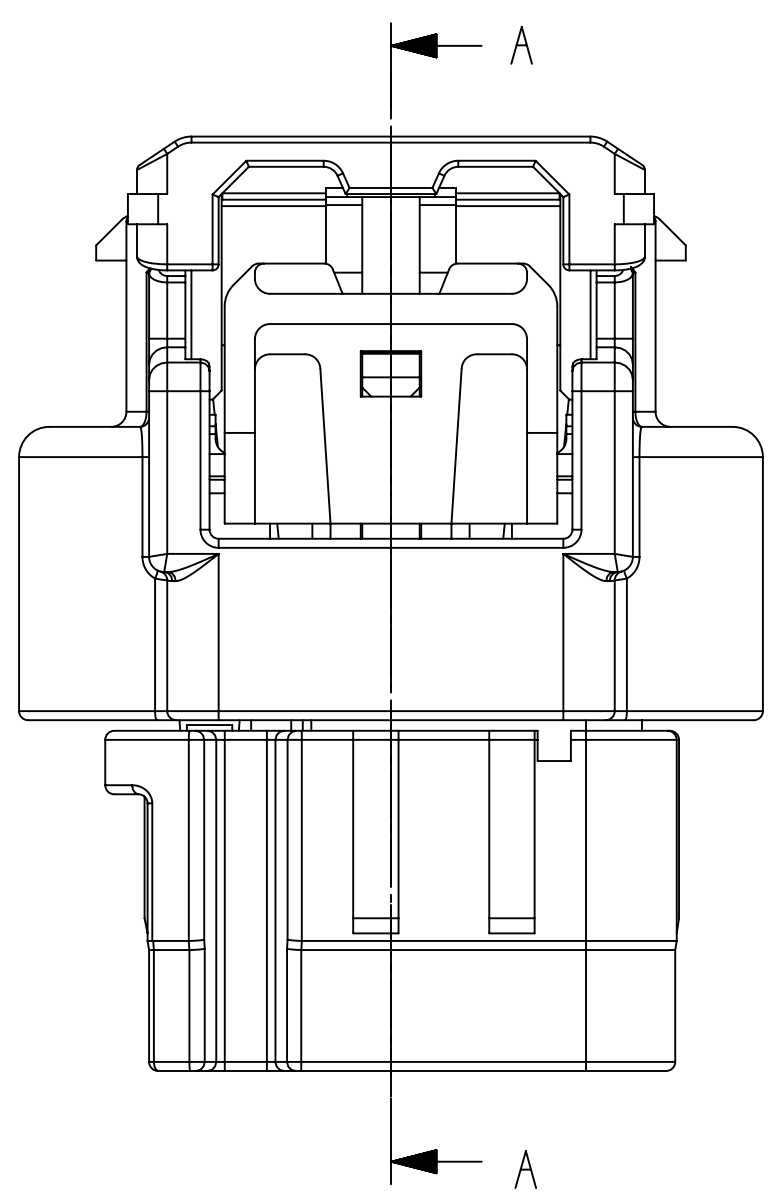
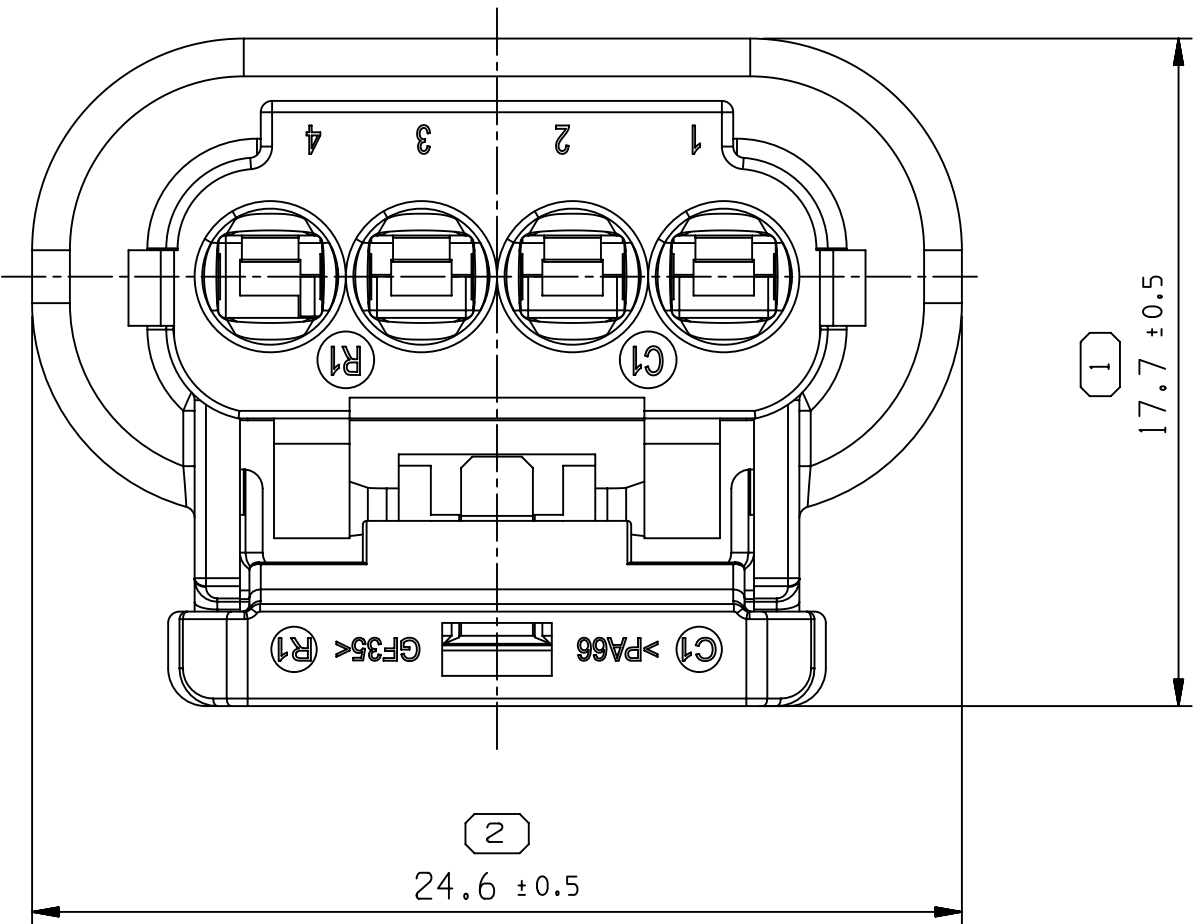


KEY C

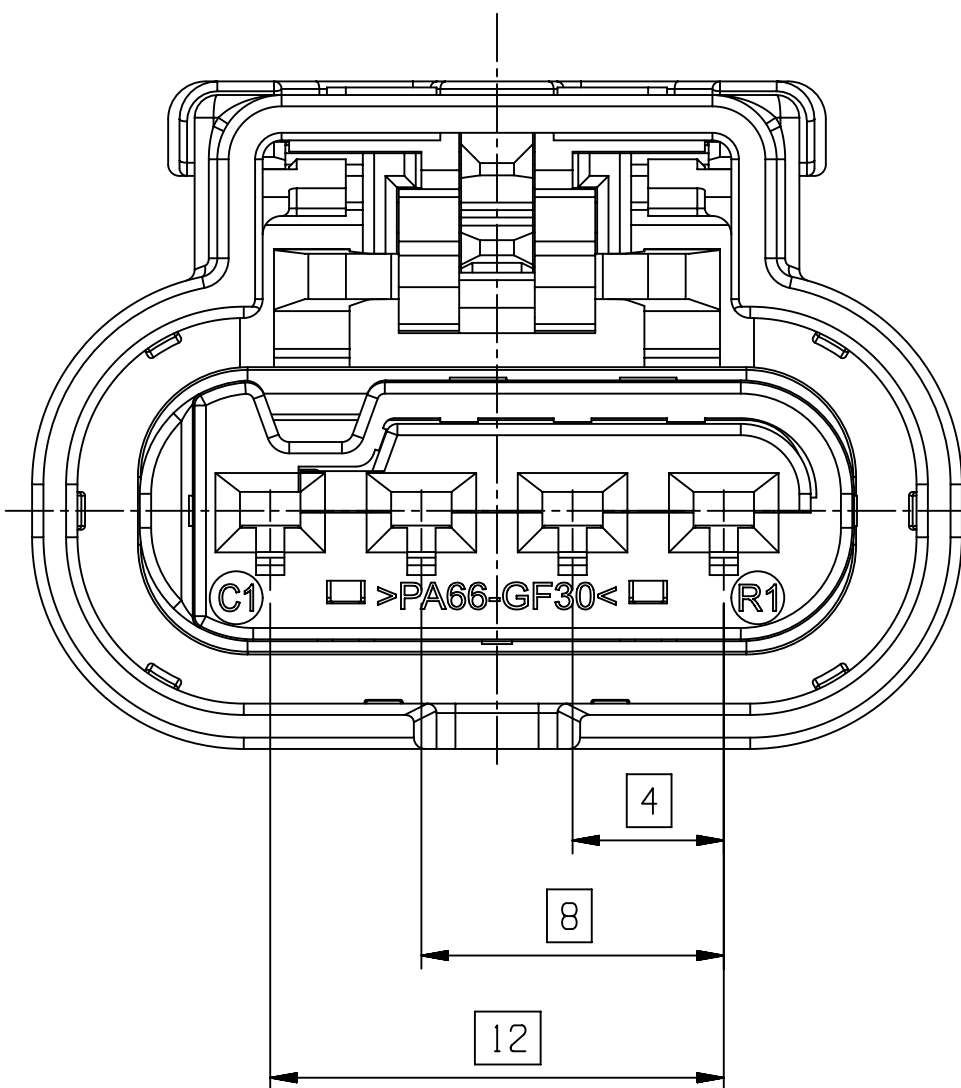


KEY D

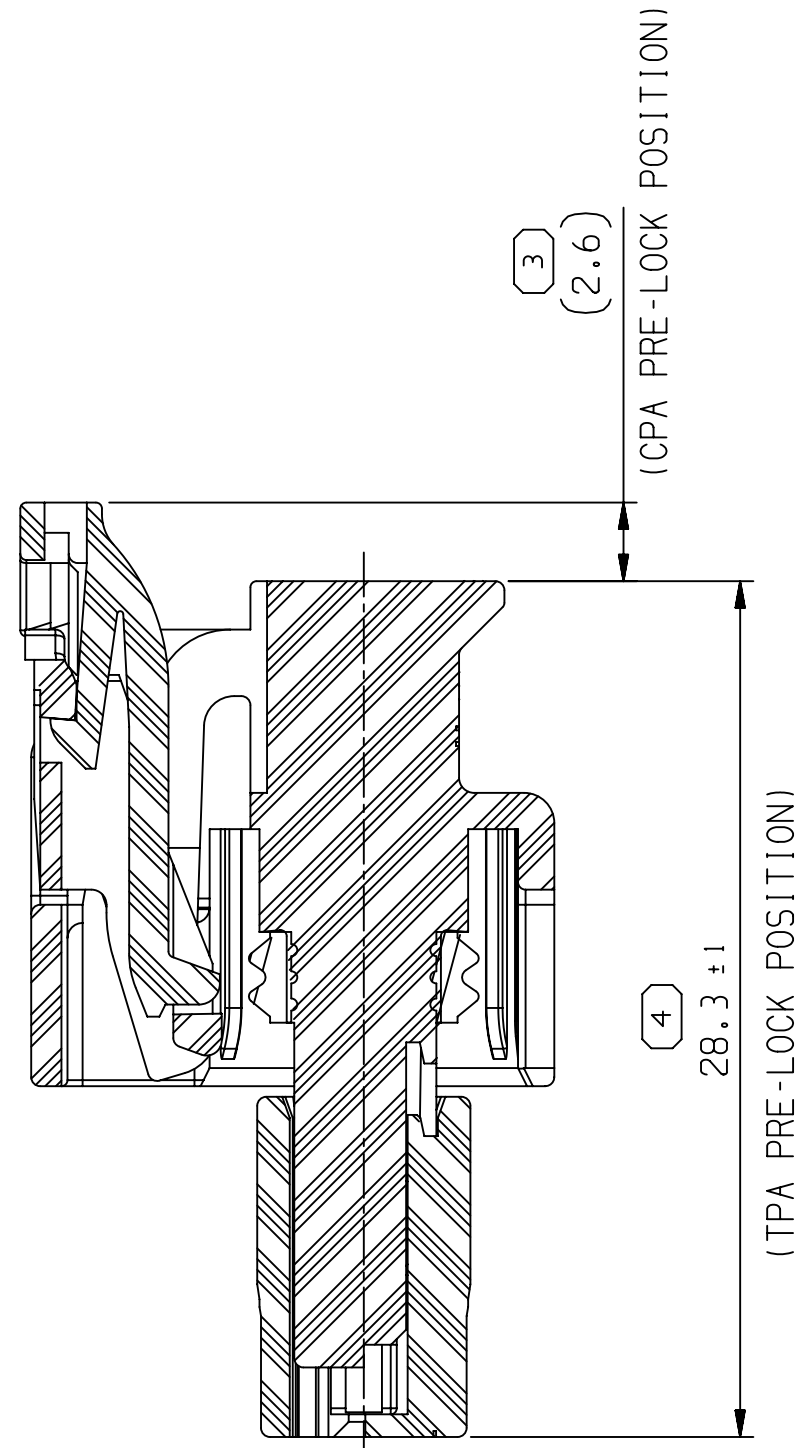
|     |     |                  |                                  |               |               |          |
|-----|-----|------------------|----------------------------------|---------------|---------------|----------|
| 4   | I   | FEMALE CPA       | PA66 GF35%<br>SILICONE<br>RUBBER | GRAY          | 33219398      | OPTIONAL |
| 3   | I   | INTERFACE SEAL   |                                  | RED           | 33400478      |          |
| 2   | I   | TPA CODE A       | PA66 GF30%                       | ROYAL<br>BLUE | 33400477      |          |
| 1   | I   | FEMALE HOUSING A | PA66 GF30%                       | BLACK         | 33400476      |          |
| REP | QTY | DESCRIPTION      | MATERIAL                         | COLOR         | DELPHI<br>P/N | REMARK   |



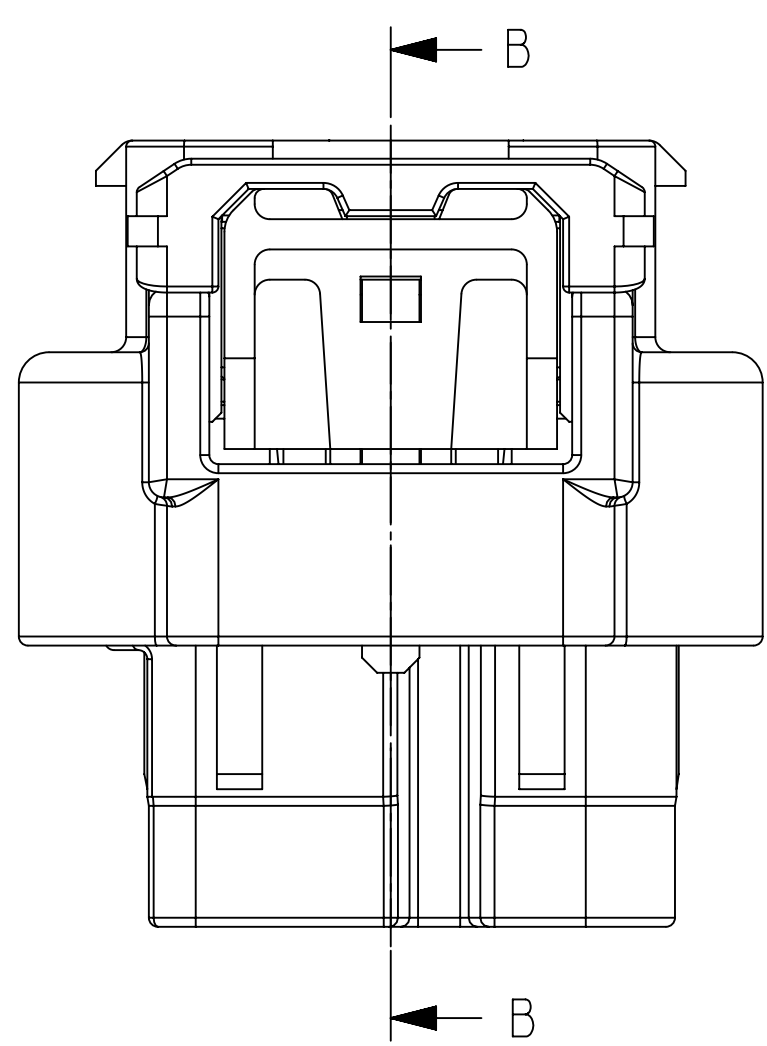
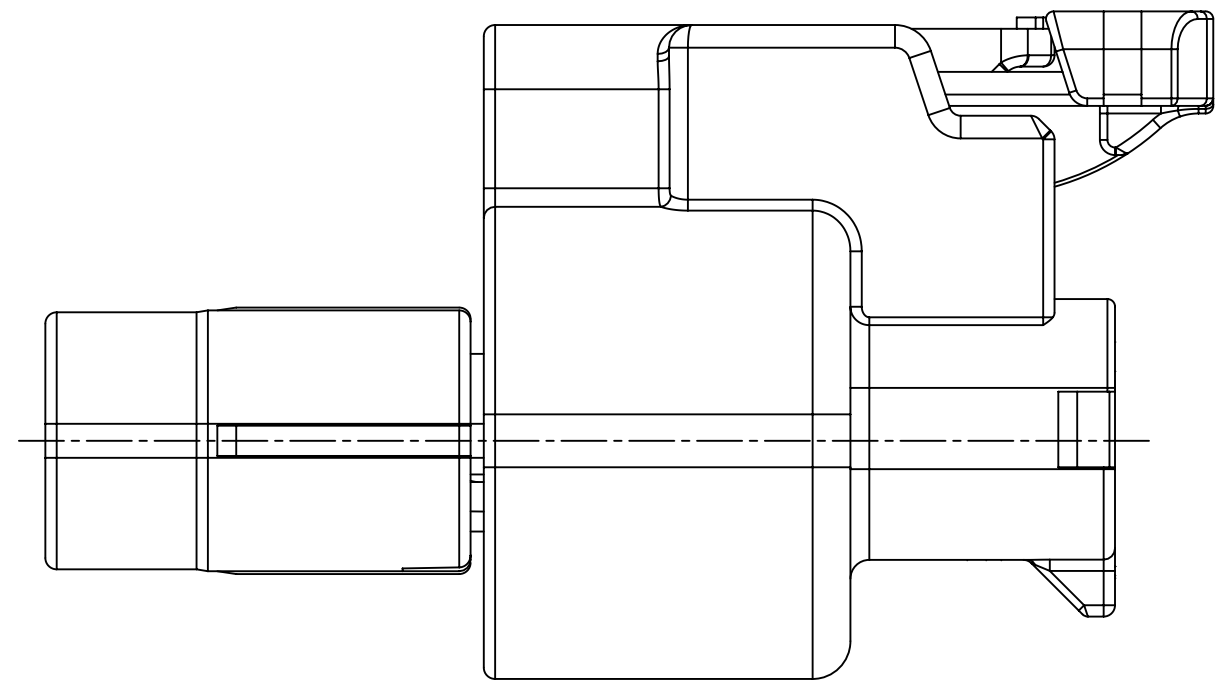
C.P.A & T.P.A IN PRE - LOCK POSITION



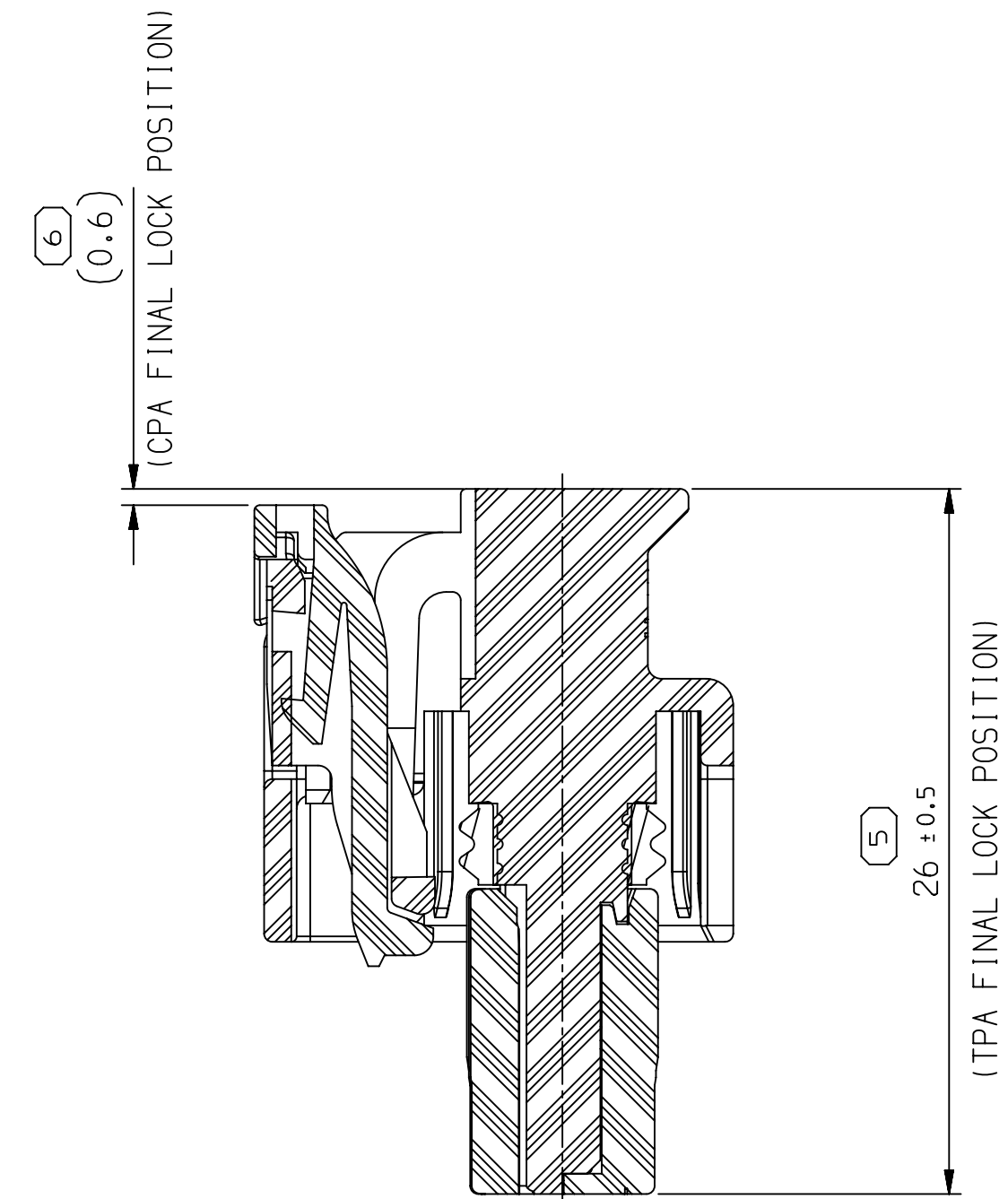
|                |                  |                     |                     |
|----------------|------------------|---------------------|---------------------|
| ISOMETRIC VIEW |                  |                     |                     |
|                |                  | CODE A<br>SCALE 1:1 | CODE A<br>SCALE 1:1 |
| OPTION         |                  | WITH CPA            | WITHOUT CPA         |
| DELPHI         | PART<br>NUMBER   | 33218537            | 33218553            |
|                | PART<br>REVISION | 01                  | 01                  |



SECTION A-A



C.P.A & T.P.A IN FINAL LOCK POSITION



SECTION B-B

|                                                                                                                                                 |  |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|
| SYMBOL DEFINITION                                                                                                                               |  | MISSING SYMBOLS            |
| A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL  OR  DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.     |  | NO MISSING SYMBOL NUMBER   |
| INDICATES THE DIMENSION IS SHOWN ON THE PART DRAWING AND THE TOOL MUST BE QUALIFIED AT 80% OF THE TOLERANCE SHOWN UNLESS SUPERSEDED BY A "TBT". |  | LAST NO. USED              |
|                                                                                                                                                 |  | 6                          |
|                                                                                                                                                 |  | 6                          |
|                                                                                                                                                 |  | EXPLODED VIEW<br>SCALE 2:1 |

|        |  |     |     |     |     |      |                                                                    |  |      |     |      |
|--------|--|-----|-----|-----|-----|------|--------------------------------------------------------------------|--|------|-----|------|
| DATE   |  | STG | REV | N/P | CHG | ZONE | REVISION HISTORY                                                   |  | AUTH | DR  | APVD |
| 050C16 |  | R   | 01  | -   | -   | -    | CONVERTED DRAWING FROM PRO-E TO NX<br>ADDED CABLE SEAL PART NUMBER |  |      | STK | JYJ  |
| 12DE16 |  | R   | 02  | -   | -   | -    | ADDED DUMMY SEAL (DARK GRAY)                                       |  |      | STK | JYJ  |

NOTES:

- TOLERANCE MUST MEET DIN ISO 2768(m)
- TEST SPECIFICATION PER : ES91500-00
- ALLOWED WIRE RANGE :  
0.3mm<sup>2</sup> TO 1.25mm<sup>2</sup> (JASO WIRE)
- APPLICABLE TERMINAL : APEX1.2 FEMALE TERMINAL

| CABLE SEAL |             |                 |                              |                |                 |            |
|------------|-------------|-----------------|------------------------------|----------------|-----------------|------------|
| TYPE       | PART NUMBER | MVL PART NUMBER | WIRE SIZE (mm <sup>2</sup> ) | INSULATION (Ø) | MATERIAL        | COLOR      |
| LONG       | 33513680    | F310400         | 0.3~0.35                     | 1.2~1.5        | SILICONE RUBBER | RED        |
|            | 33268526    | -               | 0.3~0.35                     | 1.2~1.5        | FLUORO SILICONE | BLUE       |
|            | 33511838    | F410400         | 0.5~0.85                     | 1.6~1.9        |                 | GRAY       |
|            | 33513681    | F599700         | 1.0~1.5                      | 2.0~2.4        |                 | YELLOW     |
|            | 33318273    | -               | 0.3~0.35                     | 1.2~1.6        |                 | BLACK      |
| DUMMY SEAL | 33318274    | -               | 0.5~0.85                     | 1.6~1.9        |                 | GRAY       |
|            | 33402443    | -               | -                            | -              | SILICONE RUBBER | WHITE      |
|            | 35020635    | -               | -                            | -              |                 | DARK GRAY  |
| SHORT      | 33318278    | -               | 0.3~0.35                     | 1.2~1.6        |                 | GRAY       |
|            | 33318279    | -               | 0.5~0.85                     | 1.6~1.9        |                 | LIGHT GRAY |
|            | 33318275    | -               | 1.0~1.5                      | 1.9~2.4        |                 | BLACK      |
|            | 33366680    | -               | 0.3~0.35                     | 1.2~1.6        |                 | BLUE       |
|            | 33366681    | -               | 0.5~0.85                     | 1.6~1.9        | FLUORO SILICONE | GREEN      |
|            | 33366679    | -               | 1.0~1.5                      | 1.9~2.4        |                 | BROWN      |

| DIN ISO 2768                                                                                                  |  | Tolerance Class Fine (m)                                                                        |                  |                   |                    |                     |                      |                       |
|---------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|------------------|-------------------|--------------------|---------------------|----------------------|-----------------------|
| Linear Dimensions except for broken edges                                                                     |  | Permissible deviations for basic size range (mm)                                                |                  |                   |                    |                     |                      |                       |
|                                                                                                               |  | 0.5 *1 up to 3                                                                                  | over 3 up to 6   | over 6 up to 30   | over 30 up to 120  | over 120 up to 400  | over 400 up to 1000  | over 1000 up to 2000  |
|                                                                                                               |  | ±0.1                                                                                            | ±0.1             | ±0.2              | ±0.3               | ±0.5                | ±0.8                 | ±1.2                  |
| Broken edges (radii, chamfers)                                                                                |  | Permissible deviations for basic size range (mm)                                                |                  |                   |                    |                     |                      |                       |
|                                                                                                               |  | 0.5 *1 up to 3                                                                                  | over 3 up to 6   | over 6 up to 10   | over 10 up to 50   | over 50 up to 120   | over 120 up to 400   | over 400 up to 1000   |
|                                                                                                               |  | ±0.2                                                                                            | ±0.2             | ±0.5              | ±0.5               | ±0.5                | ±0.5                 | ±1                    |
| Angular dimensions                                                                                            |  | Permissible deviations for ranges of lengths, in mm, of the shorter side of the angle concerned |                  |                   |                    |                     |                      |                       |
|                                                                                                               |  | up to 10                                                                                        | over 10 up to 50 | over 50 up to 120 | over 120 up to 400 | over 400 up to 1000 | over 1000 up to 2000 | over 2000 up to 10000 |
|                                                                                                               |  | ±1°                                                                                             | ±0° 30'          | ±0° 20'           | ±0° 10'            | ±0° 5'              | ±0° 5'               | ±0° 5'                |
| *1) For nominal sizes below 0.5mm, the deviations shall be indicated adjacent to the relevant nominal sizes!. |  |                                                                                                 |                  |                   |                    |                     |                      |                       |

| FEMALE TERMINAL |                     | PART NUMBER | WIRE SIZE (mm <sup>2</sup> ) | TYP (AWG) | CRIMP SPECIFICATIONS (FOR REFERENCE ONLY) |      |             |      |      |
|-----------------|---------------------|-------------|------------------------------|-----------|-------------------------------------------|------|-------------|------|------|
|                 |                     |             |                              |           | CONDUCTOR                                 |      | INSULATION  |      |      |
|                 |                     |             |                              |           | C.W                                       | C.H  | CRIMP STYLE | C.W  | C.H  |
| APEX 1.2        | TIN                 | 54001864    | 0.75 ~ 1.25                  | 16        | 2.45                                      | 1.15 | "B"         | 3.35 | 3.40 |
|                 |                     |             |                              | 18        | 2.05                                      | 1.20 | "B"         | 3.35 | 3.10 |
|                 | SILVER STRIPE, SPOT | 54002006    | 0.3 ~ 0.5                    | 20        | 1.65                                      | 1.05 | "B"         | 3.00 | 2.85 |
|                 |                     |             |                              | 22        | 1.65                                      | 0.95 | "B"         | 3.00 | 2.75 |
|                 | SILVER STRIPE, SPOT | F731400     | 0.75 ~ 1.25                  | 16        | 2.45                                      | 1.15 | "B"         | 3.35 | 3.40 |
|                 |                     |             |                              | 18        | 2.05                                      | 1.20 | "B"         | 3.35 | 3.10 |
|                 | SILVER STRIPE, SPOT | F931400     | 0.3 ~ 0.5                    | 20        | 1.65                                      | 1.05 | "B"         | 3.00 | 2.85 |
|                 |                     |             |                              | 22        | 1.65                                      | 0.95 | "B"         | 3.00 | 2.75 |
|                 | GOLD STRIPE, SPOT   | 54001863    | 0.75 ~ 1.25                  | 16        | 2.45                                      | 1.15 | "B"         | 3.35 | 3.40 |
|                 |                     |             |                              | 18        | 2.05                                      | 1.20 | "B"         | 3.35 | 3.10 |
|                 | TIN SILVER          | 54002005    | 0.3 ~ 0.5                    | 20        | 1.65                                      | 1.05 | "B"         | 3.00 | 2.85 |
|                 |                     |             |                              | 22        | 1.65                                      | 0.95 | "B"         | 3.00 | 2.75 |
|                 | TIN SILVER          | 54001866    | 0.75 ~ 1.25                  | 16        | 2.45                                      | 1.15 | "B"         | 3.35 | 3.40 |
|                 |                     |             |                              | 18        | 2.05                                      | 1.20 | "B"         | 3.35 | 3.10 |
|                 | TIN SILVER          | 54002007    | 0.3 ~ 0.5                    | 20        | 1.65                                      | 1.05 | "B"         | 3.00 | 2.85 |
|                 |                     |             |                              | 22        | 1.65                                      | 0.95 | "B"         | 3.00 | 2.75 |

| TYPE        | ASSEMBLY | CODING TYPE | HOUSING (BLACK) | TPA      |            | INTERFACE SEAL (RED) | CPA (OPTIONAL) (GRAY) |
|-------------|----------|-------------|-----------------|----------|------------|----------------------|-----------------------|
|             |          |             |                 | P/N/O    | COLOR      |                      |                       |
| WITH CPA    | 33218537 | A           | 33400476        | 33400477 | ROYAL BLUE | 33400478             | 33219398              |
|             | 33218539 | B           | 33401043        | 33401044 | BROWN      |                      |                       |
|             | 33218538 | C           | 33401045        | 33401046 | LIGHT GRAY |                      |                       |
|             | 33218541 | D           | 33401047        | 33401048 | RED        |                      |                       |
| WITHOUT CPA | 33218553 | A           | 33400476        | 33400477 | ROYAL BLUE | 33400478             | -                     |
|             | 33218549 | B           | 33401043        | 33401044 | BROWN      |                      |                       |
|             | 33218547 | C           | 33401045        | 33401046 | LIGHT GRAY |                      |                       |
|             | 33218551 | D           | 33401047        | 33401048 | RED        |                      |                       |

|                                                                                                                                                                                                                          |  |              |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|
| LINE DRAWN THROUGH A PART NUMBER                                                                                                                                                                                         |  | PART NUMBER  |  |
| INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING.                                                                                                                                                            |  | PART NUMBER  |  |
| PART NUMBERS THAT DO NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING.                                                                                                                    |  | PART NUMBER  |  |
| CONTACT DELPHI SALES TO ASSURE AVAILABILITY OF PARTS.                                                                                                                                                                    |  | PART NUMBER  |  |
| DWG TYPE                                                                                                                                                                                                                 |  | PART DRAWING |  |
| STYLE                                                                                                                                                                                                                    |  | PART DRAWING |  |
| VOLUME (CM <sup>3</sup> )                                                                                                                                                                                                |  | DISTR CODE   |  |
| UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                               |  | PART NUMBER  |  |
| THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE 2018 GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM (2018). SEPARATE PATTERNING OF FEATURES MAY BE SHOWN SEPARATELY REGARDLESS OF DATUM REFERENCES. |  | PART NUMBER  |  |
| ALL DIMENSIONS ARE IN MILLIMETERS                                                                                                                                                                                        |  | PART NUMBER  |  |
| REFERENCE                                                                                                                                                                                                                |  | PCC0820218   |  |
| THIRD ANGLE PROJECTION                                                                                                                                                                                                   |  | PART NUMBER  |  |
| DO NOT SCALE                                                                                                                                                                                                             |  | PART NUMBER  |  |
| USE MATH DATA                                                                                                                                                                                                            |  | PART NUMBER  |  |

|                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| DELPHI                                                                                                                                                                                                                                                                                     |  | DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE                                                                                                                                                                                                                                          |  |
| Copyright 2016 Delphi Corporation and/or its affiliates. All rights reserved.                                                                                                                                                                                                              |  | Copyright 2016 Delphi Corporation and/or its affiliates. All rights reserved.                                                                                                                                                                                                              |  |
| THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION AND CONTAINS DELPHI CONFIDENTIAL INFORMATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED CAD DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION, IS PROHIBITED. |  | THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION AND CONTAINS DELPHI CONFIDENTIAL INFORMATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED CAD DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION, IS PROHIBITED. |  |
| DRAWING NAME                                                                                                                                                                                                                                                                               |  | APEX1.2 4WAY FEMALE CONNECTOR ASSY                                                                                                                                                                                                                                                         |  |
| DRAWING NUMBER                                                                                                                                                                                                                                                                             |  | 35012431                                                                                                                                                                                                                                                                                   |  |
| SIZE                                                                                                                                                                                                                                                                                       |  | SCALE                                                                                                                                                                                                                                                                                      |  |
| A0                                                                                                                                                                                                                                                                                         |  | 5:1                                                                                                                                                                                                                                                                                        |  |
| FRAME NO                                                                                                                                                                                                                                                                                   |  | SHEET NO                                                                                                                                                                                                                                                                                   |  |
| 1 OF 1                                                                                                                                                                                                                                                                                     |  | 1 OF 1                                                                                                                                                                                                                                                                                     |  |
| STG                                                                                                                                                                                                                                                                                        |  | REV                                                                                                                                                                                                                                                                                        |  |
| R                                                                                                                                                                                                                                                                                          |  | 02                                                                                                                                                                                                                                                                                         |  |