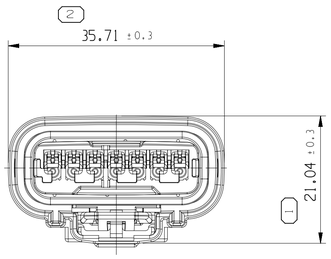
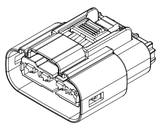
| SYMBOL DEFINITION | | |
|---|---|---|
| A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL (2) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING. | TOTAL NO OF INSPECTIONS REQUIRED | 5 |
| | LAST NO. USED | 5 |

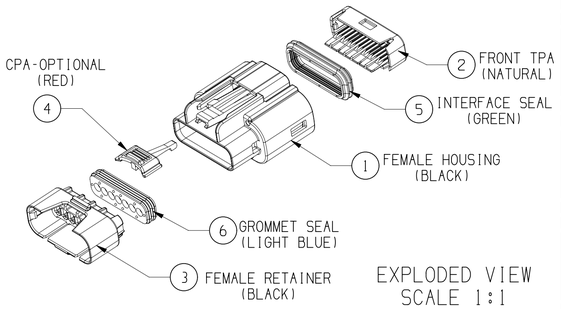
MISSING SYMBOLS
NO MISSING SYMBOL NUMBER

| DWG STATUS | | | | | ZONE | REVISION HISTORY | AUTH | DR | APVD 1 | APVD 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE | STG | REV | N/P | CHG | | | | | | |
| 23AP18 | R | 01 | - | - | | REDRAWN IN NX | | KDH | SJW | PJH |

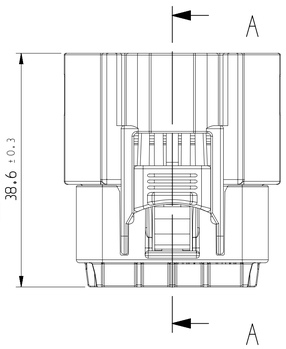


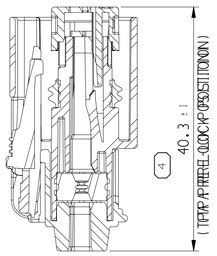



ISOMETRIC VIEW
SCALE 1:1



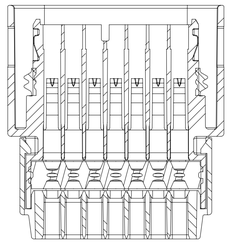

EXPLODED VIEW
SCALE 1:1



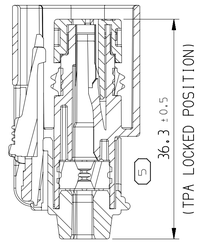

SECTION A-A

CPA & TPA IN PRE-LOCK POSITION

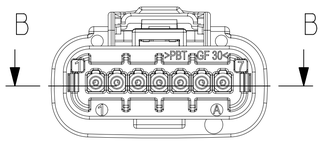


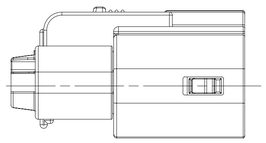
SECTION B-B

CPA & TPA IN FINAL POSITION




DETAIL C



NOTES:

1. MAXIMUM TEMPERATURE CLASS: CLASS I I I (125° C)
2. TEST METHOD PER: ES91500-00 Rev L,
3. ALLOWED WIRE SIZE RANGE: 0.3mm² to 1.25mm² (JASO WIRE)
4. CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS:
   DELPHI APEX 150WITH WIRE SIZES DEFINED IN NOTE 3:
5. ANNUAL QUALITY REQUIREMENTS:
   IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE
   PER DELPHI SPECIFICATION.
6. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.

| TYPE | ASSEMBLY P/NO | | 1 FEMALE HOUSING (BLACK) | | | 2 FEMALE TPA (NATURAL) | | | 3 FEMALE RETAINER (BLACK) | | | 4 FEMALE CPA - OPTIONAL (RED) | | | 5 INTERFACE SEAL (GREEN) | | | 6 GROMMET SEAL (LIGHT BLUE) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | P/NO | | MATERIAL | P/NO | | MATERIAL | P/NO | | MATERIAL | P/NO | | MATERIAL | P/NO | | MATERIAL | P/NO | | MATERIAL |
| | MVL | DELPHI | MVL | DELPHI | | MVL | DELPHI | | MVL | DELPHI | | MVL | DELPHI | | MVL | DELPHI | | MVL | DELPHI | |
| W/O CPA | F754000 | 13947887 | S309100 | 33522892 | PBT GF 30 | S409100 | 33522325 | PBT GF 30 | S509100 | 33522326 | PBT GF 30 | - | - | PA66 GF35 | C609100 | 33522650 | SILICONE RUBBER | C709100 | 33522729 | SILICONE RUBBER |
| WITH CPA | TBD | TBD | | | | | | | | | | 54241679 | 33511970 | | | | | | | |

| ASSOCIATED PARTS | | | | | | | |
|---|---|---|---|---|---|---|---|
| FEMALE TERMINALS | | PART NUMBER | WIRE SIZE (mm²) | TYPE | PART NUMBER | WIRE SIZE (mm²) | TYPE |
| Apex150 | Tin plating | 54002000 | 0.3 - 0.5 | 0.8 X 1.5 | - | 0.3 - 0.5 | 0.8 X 1.5 |
| | Gold plating | 54002002 | | | - | | |
| | Tin plating | 54001625 | 0.75 - 1.25 | 0.8 X 1.5 | - | 0.75 - 1.25 | 0.8 X 1.5 |
| | Gold plating | 54001627 | | | - | | |
| CAVITY PLUG FOR Apex150 | | 54241629 | CAVITY PLUG (0.3 - 1.25 SQmm) | | - | - | |
| DESCRIPTION | | DELPHI PART NUMBER | | | CUSTOMER PART NUMBER | | |

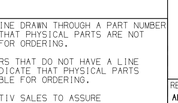
| DIN ISO 2768 | Tolerance Class medium (m) | | | | |
|---|---|---|---|---|---|
| Linear Dimensions except for broken edges | Permissible deviations for basic size range (mm) | | | | |
| | 0.5 *) up to 3 | over 3 up to 6 | over 6 up to 30 | over 30 up to 120 | over 400 up to 1000 |
| | ±0.1 | ±0.1 | ±0.2 | ±0.3 | ±0.8 |
| Broken edges (radii, chamfers) | Permissible deviations for basic size range (mm) | | | | |
| | 0.5 *) up to 3 | | over 3 up to 6 | | over 6 |
| | ±0.2 | | ±0.5 | | ±1 |
| | Permissible deviations for ranges of lengths, in mm, of the shorter side of the angle concerned | | | | |
| Angular dimensions | up to 10 | over 10 up to 50 | over 50 up to 120 | | |
| | ±1° | ±0° 30' | ±0° 20' | | |

*) For nominal sizes below 0.5mm, the deviations shall be indicated adjacent to the relevant nominal size(s).

A ---- LINE DRAWN THROUGH A PART NUMBER INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING.

PART NUMBERS THAT DO NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING.

CONTACT APTIV SALES TO ASSURE AVAILABILITY OF PARTS.




SHARP CORNER TOLERANCE

| DIM TO CHECK | DIMENSIONAL RANGE (MM) | | | | | | | | | | CHART E1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ( ) DIM FOR HELP | FROM | > 0 | >20 | > 30 | > 70 | >100 | >150 | >200 | >250 | >300 | |
| | TO | 20 | 30 | 70 | 100 | 150 | 200 | 250 | 300 | 400 | |
| THEORETIC DIM | TOLERANCE UNLESS OTHERWISE SPECIFIED | | | | | | | | | | |
| | ±0.15 | ±0.2 | ±0.3 | ±0.4 | ±0.5 | ±0.6 | ±0.8 | ±1 | ±1.2 | | |
| | ANGULAR TOLERANCE ±2° | | | | | | | | | | |

DWG TYP
PART DRAWING

WEIGHT (GR)
VOLUME (CM³)
ROUTING

DISTR CODE
D

UNLESS OTHERWISE SPECIFIED

GENERAL TOLERANCES ACCORDING TO:

GD&T ACCORDING TO:

REFERENCE
ALL DIMENSIONS ARE IN MILLIMETERS

FIRST ANGLE PROJECTION

DO NOT SCALE
USE MATH DATA
CAD NX

•APTIV•

CONNECTION SYSTEMS
Chennai, India
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| | NAME | DATE |
|---|---|---|
| DR | KIM, DO-HYEOUNG | 23AP18 |
| APVD1 | SEO, JU-WON | 23AP18 |
| APVD2 | PARK, JOO-HYUN | 23AP18 |
| APVD3 | | |
| APVD4 | | |
| APVD5 | | |

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER APTIV 1094900!

MATERIAL
SEE NOTES

DRAWING NAME
APEX150 7WAY FEMALE SEALED CONNECTOR

DRAWING NUMBER
35208531

| SIZE | SCALE | FRAME NO | SHEET NO | STG | REV | N/P |
|---|---|---|---|---|---|---|
| A1 | 5:1 | 1 OF 1 | 1 OF 1 | R | 01 | - |

User: sadlj
Path: 35208531-CUS01-SOL(0).sldprt
Date: 22-May-20 Time: 13:33:48