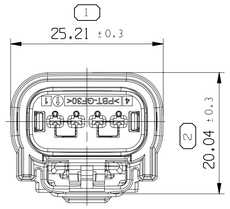
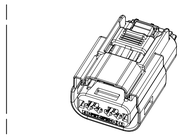
SYMBOL DEFINITION		
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ( ) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED	5
	LAST NO. USED	5

MISSING SYMBOLS

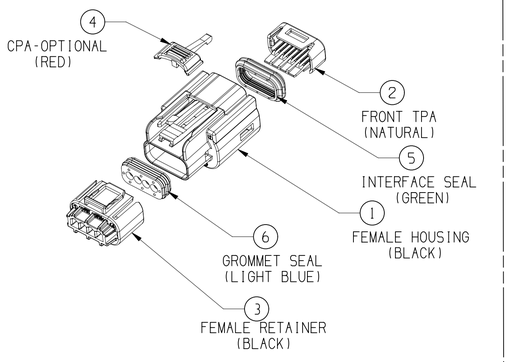
NO MISSING SYMBOL NUMBER

REVISION HISTORY										
DWG STATUS					ZONE		AUTH	DR	APVD 1	APVD 2
DATE	STG	REV	N/P	CHG						
23AP18	R	01	-	-	-	REDRAWN IN NX	443469	KDH	SJW	PJH

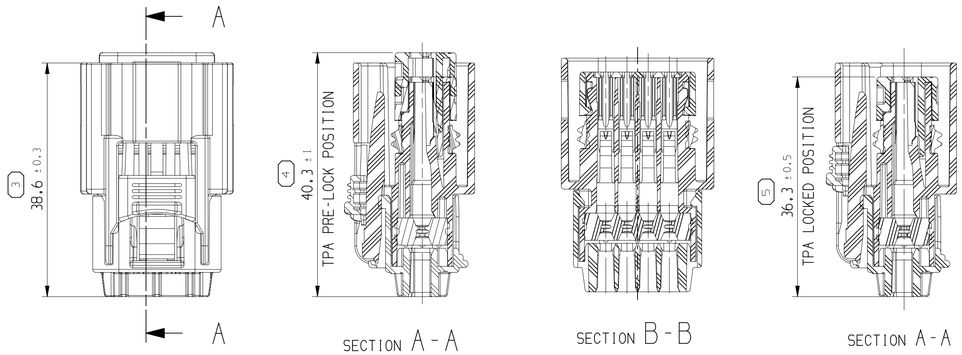




ISOMETRIC VIEW



EXPLODED VIEW
SCALE 1:1



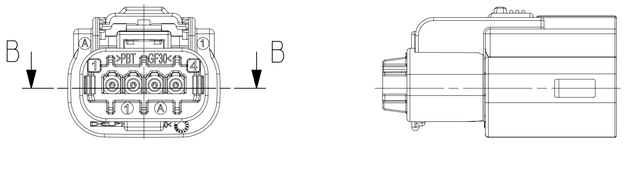
SECTION A-A

SECTION B-B

SECTION A-A

CPA & TPA PRE-LOCK POSITION

CPA & TPA LOCKED POSITION



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 0.85mm2 (JASO WIRE)
4. CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS:
   DELPHI APEX 150 WITH 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	FEMALE TPA		MATERIAL	FEMALE TPA		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	F904500	13978716	S965500	33512566	PBT GF30	S075500	33512478	PBT GF30	S175500	33512515	PBT GF30	-	-	PA66 GF35	C275500	33516117	SILICONE RUBBER	C375500	33516120	SILICONE RUBBER
WITH CPA	F465500	33515494										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	0.8X1.5	-	0.3-0.5	0.8X1.5
	Gold plating	54002002			-		
	Tin plating	54001625	0.75-0.85	0.8X1.5	-	0.75-0.85	0.8X1.5
	Gold plating	54001627			-		
CAVITY PLUG FOR Apex150		54241629	CAVITY PLUG (0.3-1.0 mm²)		-	-	
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 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 *) 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		over 120 up to 400	over 400	
	±1°	±0° 30'	±0° 20'		±0° 10'	±0° 5'	

*) 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 ET
( ) DIM FOR HELP	FROM TO	> 0 20	> 20 30	> 30 70	> 70 100	>100 150	>150 200	>200 250	>250 300	>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: SEE CHART

GD&T ACCORDING TO:

REFERENCE
ALL DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA CAD NX

•APTIV•

CONNECTION SYSTEMS
Chennai, India

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		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 10949001

MATERIAL
SEE TABLE

DRAWING NAME
APEX150 4WAY FEMALE SEALED CONNECTOR

DRAWING NUMBER
33355729

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	2:1	1 OF 1	1 OF 1	R	01	-

User: radlpj
Path: 33355729-CUS01-S01/01 Date: 25-Jun-19 Time: 18:25:09
radlpj,06252019,14153,150pass.nor