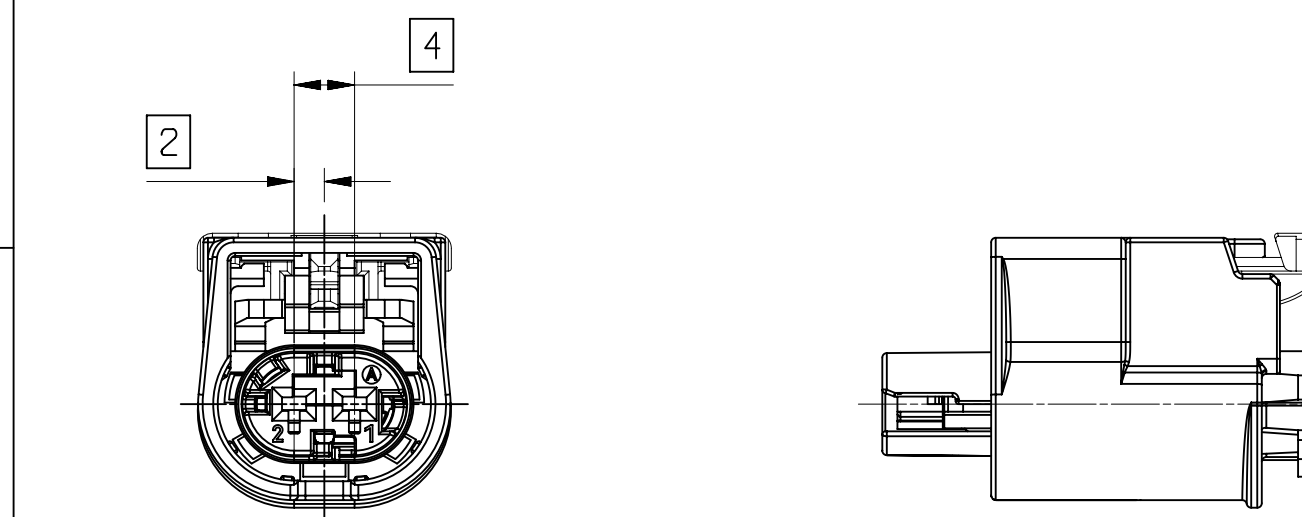
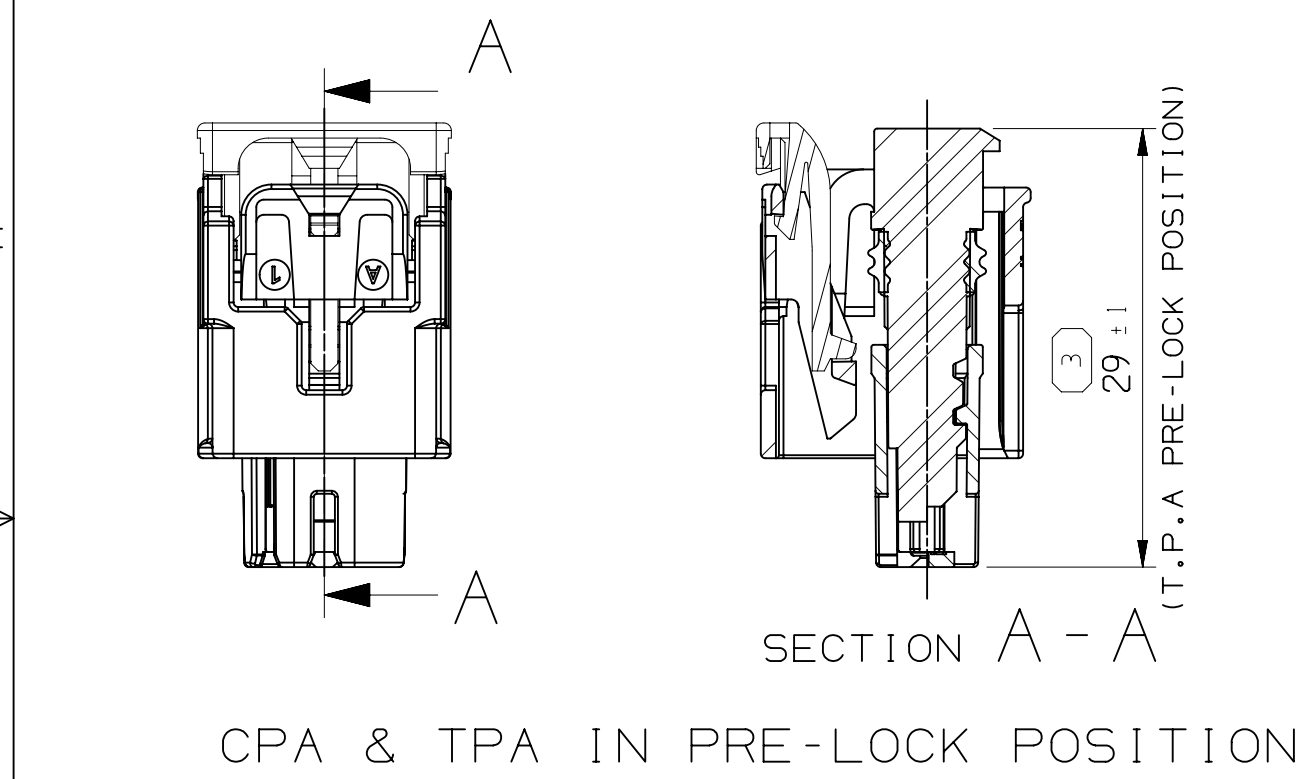
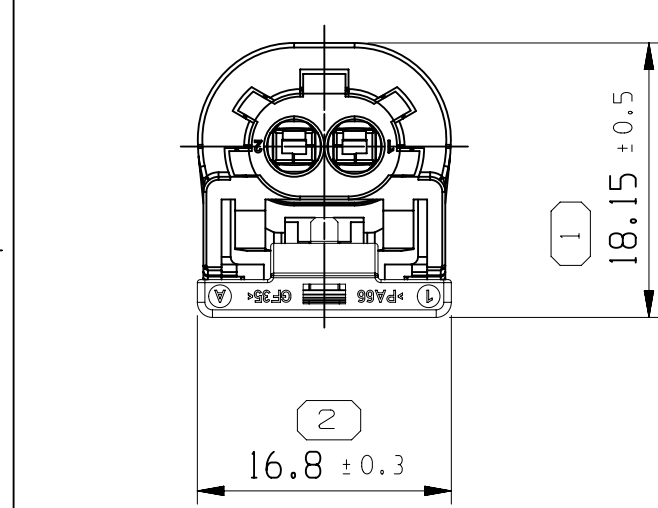


ASSOCIATED PARTS			
FEMALE TERMINAL		PART NUMBER	WIRE SIZE (mm ²)
APEX 1.2	TIN	54001864	0.75 ~ 1.25
		54002006	0.5
	SILVER STRIPE, SPOT	F731400	0.75 ~ 1.25
		F931400	0.5
	GOLD STRIPE, SPOT	54001863	0.75 ~ 1.25
		54002005	0.5
	TIN SILVER	54001866	0.75 ~ 1.25
		54002007	0.5



4	1	FEMALE CPA	PA66 GF35%	GRAY	33523848	S002510	OPTIONAL
3	1	INTERFACE SEAL	SILICONE RUBBER	RED	33522891	C102510	-
2	1	TPA CODE A	PA66 GF 35%	ROYAL BLUE	33523850	S991510	-
1	1	FEMALE HOUSING	PA66 GF 30%	BLACK	33523849	S902510	-
REP	QTY	DESCRIPTION	MATERIAL	COLOR	PART NUMBER	MVL PART NUMBER	REMARKS

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).							

CABLE SEAL						
TYPE	PART NUMBER	MVL PART NUMBER	WIRE SIZE (mm ²)	INSULATION Ø	COLOR	REMARKS
LONG	33513680	F301400	0.3 - 0.35	1.2 - 1.5	RED	
	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	
	33318274		0.5 - 0.85	1.6 - 1.9	GRAY	
DUMMY SEAL	33402443		-	-	WHITE	
SHORT	35020635		-	-	GRAY	
	60993913		0.35 - 0.5	1.2 - 1.6	RED	
	60993928		0.5 - 0.75	1.6 - 1.9	GRAY	
	60993934		1.0 - 1.5	1.9 - 2.4	YELLOW	
	33318278		0.3 - 0.35	1.2 - 1.5	GRAY	
	33318279		0.5 - 0.85	1.6 - 1.9	LIGHT GRAY	OPTIONAL
	33318275		1.0 - 1.5	2.0 - 2.4	BLACK	
HIGH TEMPERATURE	35342853		0.5 - 0.85	1.6 - 1.9	BLUE	FLUORO SILICONE
	35269088		0.3 - 0.35	1.2 - 1.9	BROWN	SILICONE RUBBER (3580)
	35269087		0.5 - 0.85	1.6 - 1.9	BLUE	
	35269086		1.0 - 1.5	1.9 - 2.4	GREEN	

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

4

LAST NO. USED

4

MISSING SYMBOLS

NO MISSING SYMBOL NUMBER

EXPLODED VIEW SCALE 2:1

ISOMETRIC VIEW		C.P.A. (OPTIONAL)
	(SCALE 2:1)	(SCALE 2:1)
	OPTION	WITHOUT CPA
	MVL P/N	F144510
	DELPHI P/N	33524096
		33523287

DWG STATUS				REVISION HISTORY		AUTH	DR	APVD 1	APVD 2
DATE	STG	REV	N/P/CHG	ZONE					
21JA15	R	01	-	-	CAVITY SHAPE REVISED AND CPA COLOUR CHANGED		YJH	PJH	LMY
05FE15	R	02	-	-	INTERFACE SEAL RIB CHANGED		YJH	PJH	LMY
14MY20	R	03	-	-	TEAM CENTER DRAWING RELEASE		JJY	SJW	PJH

DWG TYP
PART DRAWING

WEIGHT (GR)

VOLUME (CM³)

ROUTING

UNLESS OTHERWISE SPECIFIED

GENERAL TOLERANCES ACCORDING TO: SEE CHART

GD&T ACCORDING TO: ASME Y14.5M-1994

ALL DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

•APTIV•

CONNECTION SYSTEMS
Chennai, India
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DR JUNG, JAE YUP
APVD1 SEO, JU WON
APVD2 PARK, JOO HYUN
APVD3
APVD4
APVD5

DRAWING NAME
ASM CONN 2 F APEX 1.2 BLK SLD

DRAWING NUMBER
33521909

DATE
19MY20

19MY20

19MY20

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER APTIV 10949001

SEE CHART

SIZE A1
SCALE 2:1
FRAME NO 1 OF 1
SHEET NO 1 OF 1
STG R
REV 03
N/P -

- NOTES:
1. TOLERANCE MUST MEET DIN ISO 2768(m)

2. MAXIMUM TEMPERATURE CLASS: CLASS IV (150° C)

3. TEST METHOD PER: ES91500-00 Rev Q,

4. ALLOWED WIRE SIZE RANGE 0.5mm² to 1.25mm² (JASO WIRE),

5. CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS : APEX1.2

6. ANNUAL QUALITY REQUIREMENTS: IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER DELPHI SPECIFICATION

DIM TO CHECK	DIMENSIONAL RANGE (MM)	CHART - E1
FROM TO	> 0 20 30 70 100 150 200 250 300 400	> 0 20 30 70 100 150 200 250 300 400
THEORETIC DIM	±0.15 ±0.2 ±0.3 ±0.4 ±0.5 ±0.6 ±0.8 ±1 ±1.2	±0.15 ±0.2 ±0.3 ±0.4 ±0.5 ±0.6 ±0.8 ±1 ±1.2