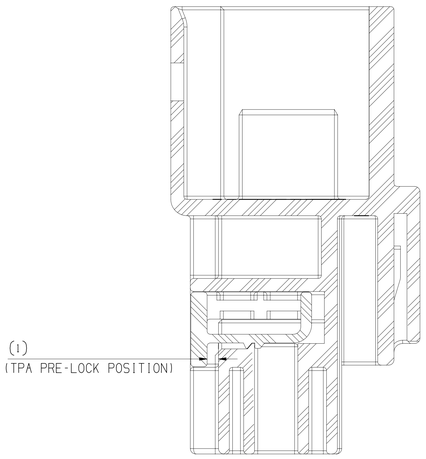
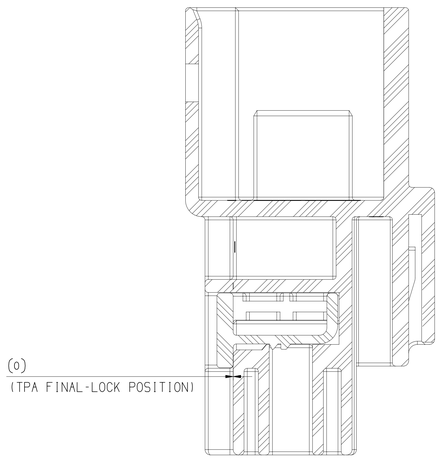


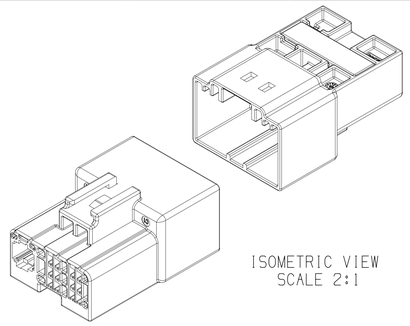
SECTION A - A

TPA IN PRE-LOCK POSITION
DELIVERY CONDITION FROM DELPHI
TO HARNESS MAKER

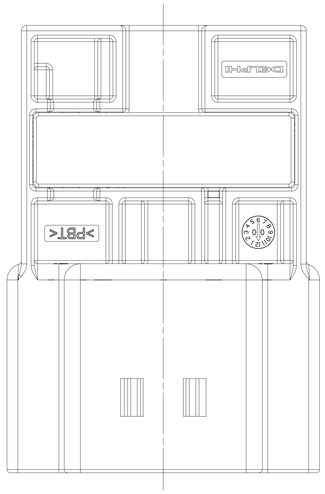


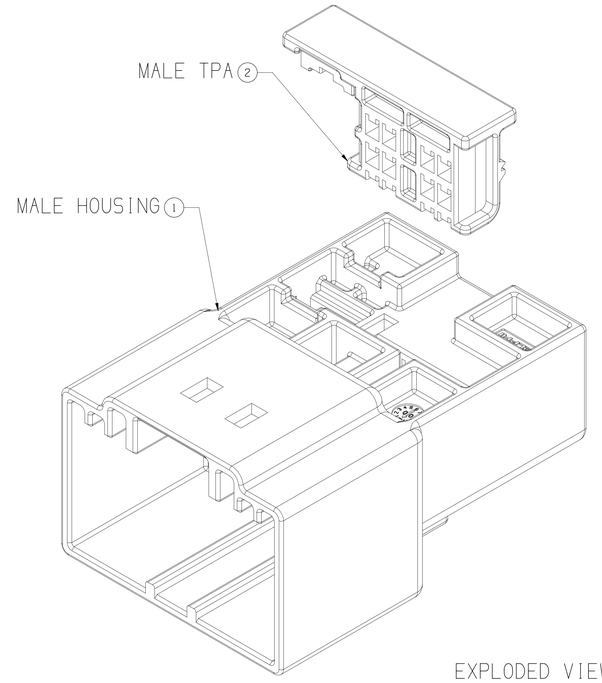
SECTION A - A

TPA IN FINAL-LOCK POSITION



ISOMETRIC VIEW
SCALE 2:1





EXPLODED VIEW

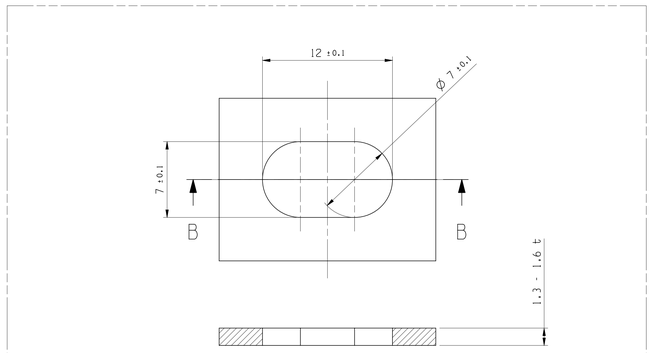
SYMBOL DEFINITION

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	7
	LAST NO. USED	7

MISSING SYMBOLS

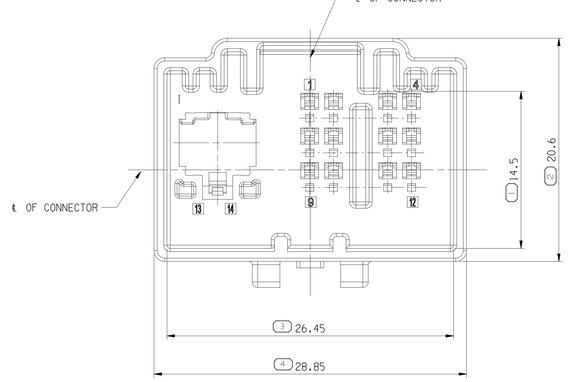
NO MISSING SYMBOL NUMBER

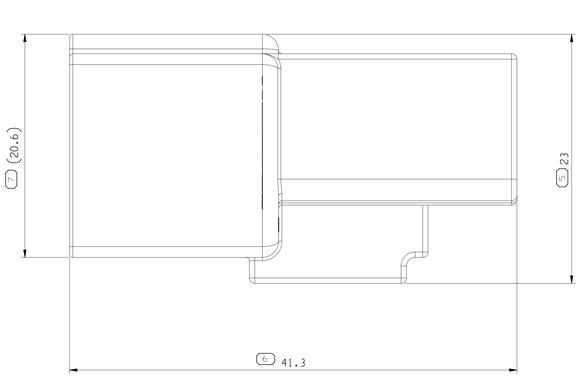
DWG STATUS					ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
DATE	STG	REV	N/P	CHG						
21NO18	R	01	-	-	-	INITIAL RELEASE	440883	YIK	SJW	PJH
19JU19	R	02	-	-	-	DIMENSION REALIZATION	-	YIK	SJW	PJH
18JL19	R	03	-	-	-	MODIFY DRAWING NAME	-	YIK	SJW	PJH

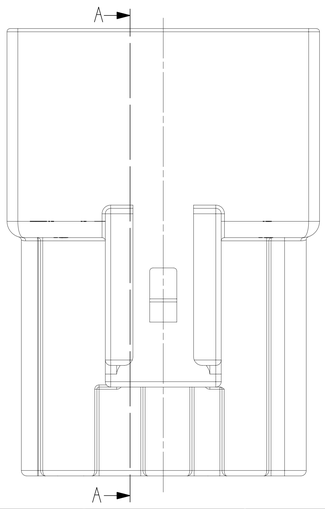


SECTION B - B

RECOMMENDED BRACKET PART DIMENSION
COMPATIBLE WITH SEALED CLIP (GC150-00021)







ASSOCIATED PARTS				
DESCRIPTION		PART NUMBER	WIRE SIZE(mm²)	AWG
AMEC MALE MODULE	MALE INSERT	35283750	-	-
	MALE SECONDARY LOCK	35283751	-	-
	CTS MALE 0.5 TERMINAL	35195966	-	-
MMCII MALE TERMINAL	Sn PLATING	TK192-00100	AVSS 0.3-0.5	20-22
		TK192-00400	○CHFUS 0.22	24-25

ASSEMBLY P/NO	REV	(1)MALE HOUSING			(2)MALE TPA			COUNT P/NO
		P/NO	MATERIAL	COLOR	P/NO	MATERIAL	COLOR	
35164712	01	35164713	PBT	NATURAL	35164715	PBT-GF30	BLACK	35164711

DIN ISO 2768 Tolerance Class medium (m)								
	Permissible deviations for basic size range (mm)							
Linear Dimensions except for broken edges	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	
	Permissible deviations for basic size range (mm)							
Broken edges (radii, chamfers)	0.5 •1 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"	

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

NOTES:

1. ALL UNSPECIFIED RADIUS TO BE 0.3
2. NON SPECIFIED TOLERANCE : ISO 2768(m)
3. MUST BE FREE OF CRACK, FLOW MARK, FLASH, BURR ETC THAT AFFECT FUNCTION OF PRODUCT
4. MUST MEET HMC SPEC ES91500-00 UNLESS OTHERWISE SPECIFIED TO VENDOR SPECIFICATION.
5. APPLICABLE FEMALE CONNECTOR DRAWING NO : 35164711
6. BRACKET PART IS COMPATIBLE WITH SEALED CLIP (GC150-00021)

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.

DWG TYPE: PART DRAWING

STYLE

VOLUME (CM³): -

DISTR CODE

UNLESS OTHERWISE SPECIFIED
THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-2001. SEPARATE PATTERNS OF FEATURES MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETERS

REFERENCE

( ) PROCESS SENSITIVE DIMENSION

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED

DIMENSIONAL RANGE (MM)									
FROM	> 0	>6	> 30	>70	>100	>150	>200	>250	>300
TO	6	30	70	100	150	200	250	300	400
TOLERANCE UNLESS OTHERWISE SPECIFIED (CHART 5-1)	±0.15	±0.2	±0.3	±0.4	±0.5	±0.6	±0.8	±1	±1.2
ANGULAR TOLERANCE ±2°									

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

CAD NX

DELPHI
CONNECTION SYSTEMS
Namyang, Korea
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	NAME	DATE
DR		
APVD1	YUN, IN-KI	21NO18
APVD2	SEO, JU-WON	21NO18
APVD3	PARK, JOO-HYUN	21NO18
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL: SEE TABLE

DRAWING NAME: ○025 ETHERNET 14WAY UNSEALED MALE ASSEMBLY

DRAWING NUMBER: 35164712

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A0	5:1	1 OF 1	1 OF 1	R	03	-