

KEY "A"

KEY "B"

KEY "C"

KEY "D"

SECTION A - A

SECTION B - B

TPA IN PRE-LOCK POSITION

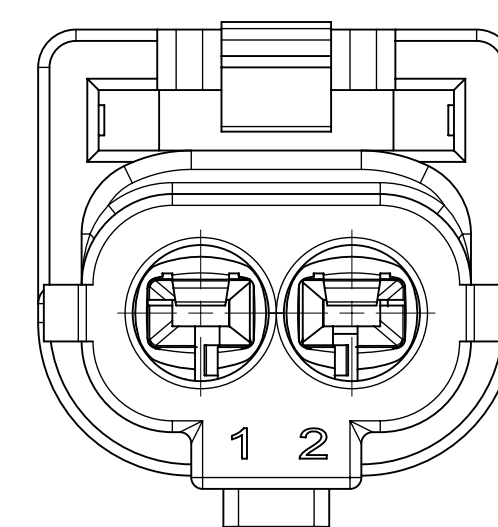
TPA IN FINAL-LOCK POSITION

Technical drawing of a shaft with the following dimensions and features:

- Section C-C is indicated.
- Dimensions: 1.6 ± 0.03 , 1 (MAX), $2X R5$, $2X 1.8$, $2X 3$.

SCALE 2:1

CONNECTOR BRACKET



ACCEPTABLE TERMINAL			
PART NUMBER	PLATED	GAGE	WIRE SIZE (mm ²)
33219166	TIN	20,22	0.3-0.5
33219167		16,18	0.8-1.25
33219168	Ag	20,22	0.3-0.5
33219169		16,18	0.8-1.25
33219170	Au	20,22	0.3-0.5
33219171		16,18	0.8-1.25

CABLE SEAL						
TYPE	PART NUMBER	MVL PART NUMBER	WIRE SIZE (mm ²)	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	SILICONE RUBBER	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	-	-	-	SILICONE RUBBER	WHITE
	35020635	-	-	-		DARK GRAY
SHORT	33318278	-	0.3 - 0.35	1.2 - 1.6	SILICONE RUBBER	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

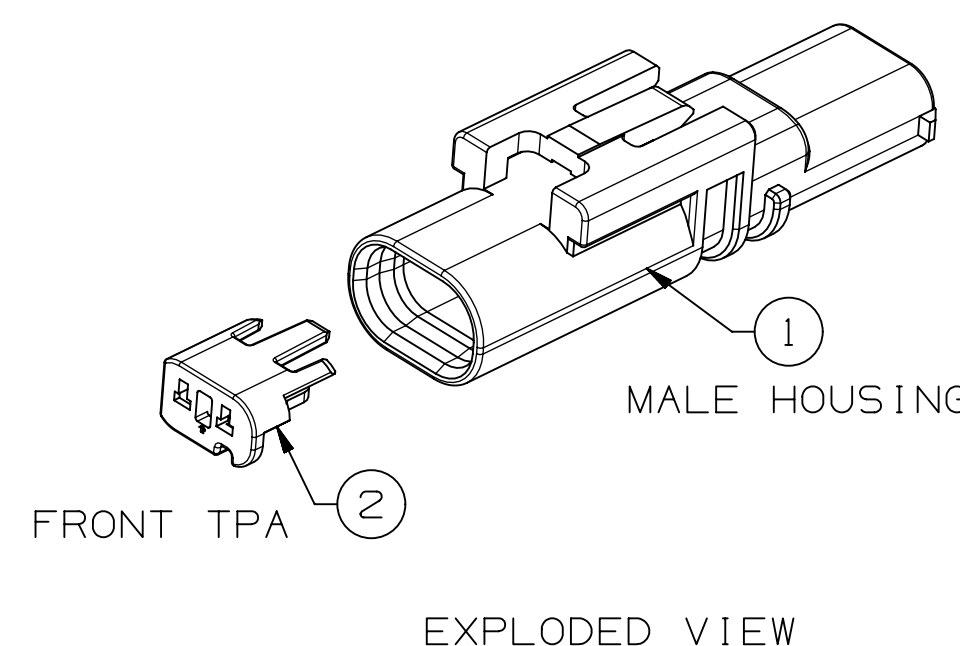
[illegible]

 PROCESS SENSITIVE DIMENSION																																																	
DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">DIMENSIONAL RANGE (MM)</th> <th colspan="8">CHART</th> </tr> <tr> <th>FROM</th> <th>TO</th> <th>> 0 20</th> <th>> 0 30</th> <th>> 0 70</th> <th>> 0 100</th> <th>> 150 150</th> <th>> 250 250</th> <th>> 300 300</th> <th>> 400 400</th> </tr> </thead> <tbody> <tr> <td colspan="10" style="text-align: center;">TOLERANCE UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td colspan="2"></td> <td>+0.15</td> <td>+0.2</td> <td>+0.3</td> <td>+0.4</td> <td>+0.5</td> <td>+0.6</td> <td>+0.8</td> <td>+1</td> </tr> </tbody> </table>										DIMENSIONAL RANGE (MM)		CHART								FROM	TO	> 0 20	> 0 30	> 0 70	> 0 100	> 150 150	> 250 250	> 300 300	> 400 400	TOLERANCE UNLESS OTHERWISE SPECIFIED												+0.15	+0.2	+0.3	+0.4	+0.5	+0.6	+0.8	+1
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PROCESS SENSITIVE DIMENSION

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

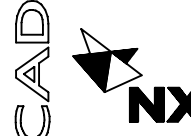
S	3					2		1			
	DWG STATUS					ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
	DATE	STG	REV	N/P	CHG						
	25FE15	-	01	-	-	-	INITIAL RELEASE	-	YJH	PJH	LMY
	01DE15	-	02	-	-	C3	ADD CODING & PART NUMBER		PSY	KBK	PJH
	12JL16	-	03	-	-	C3 D3	CHANGED HOUSING/TPA CODING B&C COLOR ADDED CLIP PART NUMBER		SYK	JJY	PJH
	15DE16	R	03	AA	-		UPDATE CABLE SEAL TABLE		LJS	JJY	PJH



NOTES:

1. TOLERANCE MUST MEET DIN ISO 2768 (M)
2. TEST SPECIFICATION PER: ES91500-00
3. ALLOWED WIRE RANGE:
0.3 mm2 to 1.25mm2 (JASO WIRE)
4. APPLICABLE TERMINAL: APEX1.2 MALE TERMINAL
5. CONNECTOR CLIP : DELPHI 101517-00 / 33258694
6. MATERIAL : PA66 GF25

ASSEMBLY	CODING TYPE	HOUSING		TPA	
		P/NO	COLOR	P/NO	COLOR
33219402	A	33219400	BLACK	33219401	BLUE
33301302	B	33301295	BROWN	33301299	LIGHT GRAY
33301303	C	33301296	LIGHT GRAY	33301300	BROWN
33301304	D	33301298	DARK GREY	33301301	RED

IF 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 RETAIL SALES TO ASSURE AVAILABILITY OF PARTS.	
DWG TYPE	
PART DRAWING	
STYLE	
VOLUME (CM³)	DISTR CODE D
UNLESS OTHERWISE SPECIFIED THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE OM LOCAL DIMENSIONS AND TOLERANCING ADDENDUM-2001. SEPARATE PATTERNS OF FEATURES MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCE.	
ALL DIMENSIONS ARE IN MILLIMETERS	
REFERENCE	
THIRD ANGLE PROJECTION 	DO NOT SCALE USE MATH DATA 

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								DATE	
DR									
APVD1 YOON, JAE-HUN								25FE15	
APVD2 PARK, JOO-HYUN								25FE15	
APVD3 LEE, MIN-YOUNG								25FE15	
APVD4									
APVD5									
SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001									
MATERIAL									
SEE TABLE									
DRAWING NAME									
APEX1.2 2WAY MALE CONNECTOR									
DRAWING NUMBER									
33219402									
SIZE	SCALE	FRAME	NO	SHEET	NO	STG	REV	NO	NO
A1	1:1	1	OF 1	1	OF 1	B	03		