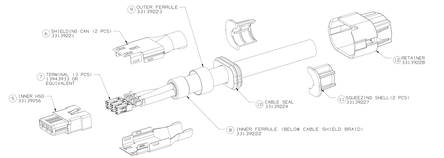
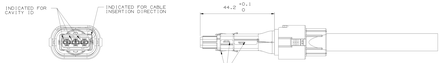
ADDITIONAL ASSEMBLY INFORMATION

THE ASSEMBLY SHOWN ON THIS DRAWING REQUIRE THE USE OF MULTICORE CABLE. FERRULES MUST BE LOCATED AS SHOWN WHEN CRIMPED WITH RESPECT TO THE TERMINAL.



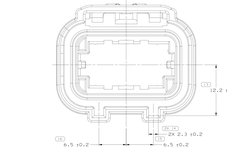
EXPLODED VIEW FOR CABLE ASSEMBLY

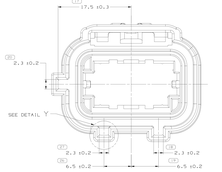


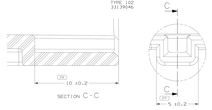
12	1	RETAINER	PBT GF20	ORANGE	331 39228	-
11	2	SQUEEZING SHELL	PBT GF20	ORANGE	331 39227	-
10	1	CABLE SEAL	SILICONE	BLUE	331 39224	-
9	1	OUTER FERRULE	BRASS ALLOY	-	331 39223	-
8	1	INNER FERRULE	COPPER ALLOY	-	331 39222	-
7	3	CTS 2.8 FEMALE TERMINAL	COPPER ALLOY	1 394 293 (1) (Sn) 1 3888231 (1) (g)		-
6	2	SHIELDING CAN	BRASS ALLOY	-	331 39221	-
5	1	INNER HOUSING	PBT GF20	ORANGE	331 39056	-
REF.	QTY	DESCRIPTION	MATERIAL	COLOR	COMPONENT P/N	REMARK

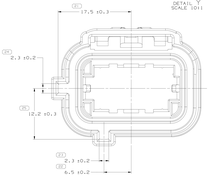
CRIMPING INFORMATION

CAVITY NAME	TERMINAL	CABLE SIZE	CONDUCTOR CRIMP HEIGHT	CONDUCTOR CRIMP WIDTH	INSULATION CRIMP HEIGHT	INSULATION CRIMP HEIGHT
1-3	1 394 293 (1) OR EQUIVALENT	3 MM²	2.1±0.05	3.1±0.1	4±0.08	4.2±0.08

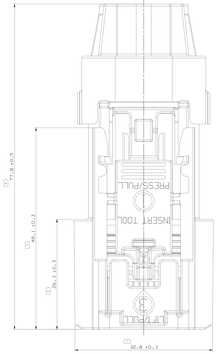


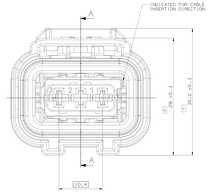




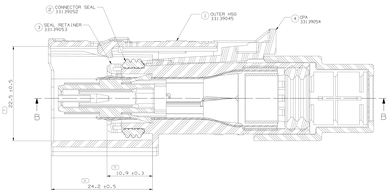


CODING OPTIONS

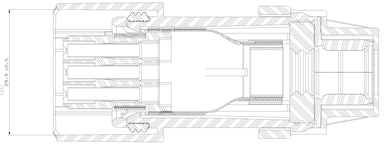




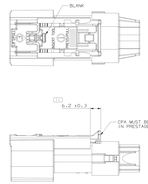
TYPE 101
331 39045



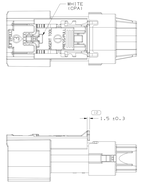
SECTION A - A



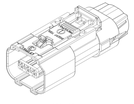
SECTION B - B



CPA PRE-LOCK CONDITION



CPA FINAL-LOCK CONDITION



ISO VIEW

							331 51880	TYPE 1 (3) (INACTIVE)
							331 39046	TYPE 102 (GPU ACTIVE)
							331 39045	TYPE 101 (EOP ACTIVE)
12	1	1	1	RETAINER	PBT GF20	ORANGE	331 39228	-
11	2	2	2	SQUEEZING SHELL	PBT GF20	ORANGE	331 39227	-
10	1	1	1	CABLE SEAL	SILICONE	BLUE	331 39224	-
9	1	1	1	OUTER FERRULE	BRASS ALLOY	-	331 39223	-
8	1	1	1	INNER FERRULE	COPPER ALLOY	-	331 39222	-
7	3	3	3	CTS 2.8 FEMALE TERMINAL	COPPER ALLOY	-	1 394 293 (1) (Sn) 1 3888231 (1) (g)	-
6	2	2	2	SHIELDING CAN	BRASS ALLOY	-	331 39221	-
5	1	1	1	INNER HOUSING	PBT GF20	ORANGE	331 39056	-
4	1	1	1	CPA	PBT GF20	NATURAL		
3	1	1	1	SEAL RETAINER	PBT GF20	NATURAL		
2	1	1	1	CONN. SEAL	SILICONE	DARK GRAY	331 62592 (TYPE 103) 331 62591 (TYPE 102) 331 62590 (TYPE 101)	-
		1	-	OUTER HOUSING TYPE 103				
1		-	1	OUTER HOUSING TYPE 102	PBT GF20	ORANGE		
		-	-	1	OUTER HOUSING TYPE 101			
REF.		QTY		DESCRIPTION	MATERIAL	COLOR	COMPONENT/ASSEMBLY P/N	REMARK

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
   DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL). DO NOT ADD DIMENSIONS TO THIS DRAWING. USE MATH MODEL FOR PRECISE TOOL PATH DATA, BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.
2. THIS PART HAS BEEN DESIGNATED AS AN "APPEARANCE ITEM" AND REQUIRES AN "APPEARANCE APPROVAL REPORT" FOR APPAR.
3. FOR APPLICATION DATA SEE THE APPLICATION DRAWING.
4. "()" LATEST REVISION SYMBOL. (3x).
5. THIS PART MUST MEET MS941-03.

SYMBOL DEFINITION

A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL (SEE 3D) DOES NOT REQUIRE INSPECTION. IT WAS CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.

INDICATES THE DIMENSION IS SHOWN ON THE PART DRAWING AND THE TOOL MUST BE DUPLICATE AT BOTH THE TOLERANCE SHOWN UNLESS SUPERSEDED BY A "TBT".

TOTAL NO. OF INSPECTIONS REQUIRED	0
LAST NO. USED	29

MISSING SYMBOLS
NO MISSING SYMBOL NUMBER

REV	DATE			REVISION HISTORY	ACN	DR	PCN	APP
BAFW	8	11		INITIAL RELEASE		LJC	FJH	LAF
DBEW	8	12		REVISED BOM, ADDED CAVITY ID, ADDED CAVITY ID, ADD NOTE 4		LJH	FJH	LAF
DBEW	8	12		REVISED BOM, REVISED CAVITY ID, ADD NOTE 5		LJH	FJH	LAF
DBEW	8	12	06	ADD REV 2 PN		LJH	FJH	LAF
BJAC	8	14		REVISED BOM, REVISED CAVITY ID, ADD REV 3 PN		LJH	FJH	LAF

PART DRAWING		
SIZE	CODE IDENT NO.	
D		
SCALE: NONE	SHEET 1 OF 1	
GENERAL TOLERANCES PER: ASME Y14.5M-1994		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS ARE FOR PLATED PARTS. ADD 0.05 TO PLATED PARTS.		
FINISH		
THIRD ANGLE PROJECTION		
6 PLACE DECIMAL ± 0.000	3 PLACE DECIMAL ± 0.000	2 PLACE DECIMAL ± 0.00
ANGLES ± 0° 30'		
CHAMFER TOLERANCE		
ALL RIGHTS RESERVED. THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION. REPRODUCTION OR DISCLOSURE TO THIRD PARTIES IS PROHIBITED WITHOUT THE EXPRESS WRITTEN PERMISSION OF APTIV SERVICES US, LLC.		
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REF COMMT		
CODE IDENT NO.		
KSM CONN 280		
DRAWING NO.		
33139047		

APTIV
CONNECTION SYSTEMS
Aptiv Services US, LLC
ADVANCED ENGINEERING, 2000 HOLLYWOOD BLVD. HOLLYWOOD, FL 33020 USA
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