



- NOTES
- UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.
 - CONNECTION SYSTEM IS VALIDATED ON APTIV M4488 HV SHIELDED CABLE AND MEETS THE PERFORMANCE REQUIREMENTS OF SAE/USCAR-2 R6.2013, SAE/USCAR-37 AUGUST 2008 AND GMW-3191 JUNE 2012 FOR THE FOLLOWING CLASSIFICATIONS:
TEMPERATURE CLASS 3 (-40° C TO 125° C)
VIBRATION CLASS ON BODY OR CHASSIS
SEALING CLASS 3 (SEALED PLUS HIGH PRESSURE SPRAY)
MATING CLASS 2 (50 CYCLES)
 - CONNECTOR DESIGNS PROVIDE THE FOLLOWING MINIMUM CREEPAGE DISTANCES WHEN MATED, AS ASSESSED PER IEC60664 WITH POLLUTION DEGREE = 2 OR 3:
-CAVITIES A TO SHIELD OR B TO SHIELD = 6.755 mm
-CAVITIES A TO B (WITHOUT MATING PART) = 13.51 mm
 - HARNES MANUFACTURER IS RESPONSIBLE FOR VALIDATING THE CONNECTION AS APPLIED ON CABLE TO THE REQUIREMENTS OF SPECIFIC APPLICATIONS.
 - FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.
 - CONNECTION MEETS DIELECTRIC WITHSTAND VOLTAGE RATING OF 600 VOLTS USING SAE/USCAR-37 AUGUST 2008 PARAGRAPH 5.5.2 TEST METHOD.
 - SEALING APPLICATION AND MARKING REQUIRED PER ES-A-755.
 - ELECTRIC VEHICLE CHARGING AND OTHER HIGH DUTY CYCLE APPLICATIONS CARRYING 25A REQUIRE THE FOLLOWING:
-MIN 5.0 MM COPPER CONDUCTORS.
-TERMINAL TO CONDUCTOR INTERFACE RESISTANCE ≤ 0.2 mΩms, SOLDERED CRIMPS ARE RECOMMENDED.
-TERMINAL TEMPERATURES NEED TO BE MEASURED IN THE VEHICLE APPLICATION TO INSURE 1-RISE OVER AMBIENT IS <35 °C AT MAXIMUM CONTINUOUS CURRENT.
 - FOR ADDITIONAL CABLE AND COMPONENTS INFORMATION SEE SHT 2.
 - PARTS MUST BE FREE OF DUST, DIRT, CARBON FIBER, LOOSE METAL SLIVERS OR ANY PARTICULATE THAT MAY CAUSE FIT OR FUNCTION CONCERNS.
 - SEALING CODE 4 - DESIGN WILL MEET REQUIREMENTS OF SAE/USCAR-2 CONNECTOR SYSTEM ENVIRONMENTAL TEST FLOWCHART (PRESSURE/VACUUM AND SUBMERSION).
 - FOR ASSEMBLY MANUAL REFER TO P/N 35328287.

PART NO	REV	N/P	TYPE	OUTER HOUSING	SEAL RETAINER	SEAL	INNER CONNECTOR	SHIELD (2 PLCS)	CPA
35228588	01	AF	105	33353306	33339161	35102769	35028838	35149967	33125204
35028842	01	AF	104	33353305	33339161	35102769	35028838	35149967	33125204
35028841	01	AF	103	33353304	33339161	35102769	35028838	35149967	33125204
35028840	01	AF	102	33353303	33339161	35102769	35028838	35149967	33125204
35028839	01	AF	101	33339160	33339161	35102769	35028838	35149967	33125204

SYMBOL DEFINITION		MISSING SYMBOLS	
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	32	
LAST NO. USED	32		

DWG STATUS				REVISION HISTORY				AUTH		DR	
DATE	STO	REV	N/P	CHG	ZONE	REVISED PART DRAWING	443096	ES	ES	MM	MM
20SE18	R	01	-	-	-	RELEASED PART DRAWING	443096	DAV	JAA	MM	MM
30OC18	R	02	-	-	-	ALL PARTS - ADDED "DIELECTRIC WITHSTAND METHOD", "ELECTRIC VEHICLE CHARGING", "SEALING APPLICATION", "ADDITIONAL ASSEMBLY INFO" NOTES & SHT 1 OF 2 AND MOVED TERMINAL CONFIG SET DATA TO SHT 2	442038	DAV	JAA	MM	MM
09JA18	R	03	-	-	-	ALL PARTS - REVISED "ELECTRIC VEHICLE CHARGING" NOTE	442278	COB	COB	MM	MM
13FE19	R	04	-	-	-	ALL PARTS - ADDED NOTES #10 AND #11	550764	JGO	JAA	MM	MM
06JA20	R	05	-	-	-	ALL PARTS - ADDED PROCESS SENSITIVE DIMENSION	551762	JGO	JAA	MM	MM
16JA20	R	06	-	-	-	ALL PARTS - UPDATED PART AVAILABILITY	553290	DAV	JAA	MM	MM
25JA21	R	07	-	-	-	ALL PARTS - "APTIV M4488 CABLE" IN NOTE #2 WAS "DELPHI M4488 CABLE" AND ADDED "ASSEMBLY MANUAL" NOTE					

APPTIV		CONNECTION SYSTEMS	
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DATE	20SE18	DATE	20SE18
DR	E. SHASTEEN	DR	E. SHASTEEN
APPROV	E. SHASTEEN	APPROV	E. SHASTEEN
APPROV	MIQUEL NINO	APPROV	MIQUEL NINO
APPROV		APPROV	
SUBSTANCES OF CONCERN AND RECYCLED CONTENT (P/N: APPTIV 10049000)			
SEE CHART			
DRAWING NAME			
TAXI1 ASM CONN 2 F CTS 630 SLD MODULAR			
DRAWING NUMBER			
35028844			
SIZE	A1x3	SCALE	5:1
SHEET NO		1 OF 1	
REV		07	

44885023

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