



32 31 30 29 28 27

type 102 same as type 101 except as shown









TYPE 103 SAME AS TYPE 101 EXCEPT AS SHOWN



32 31 30



type 104 same as type 101 except as shown



















27 26 25 A 24 23 20 19

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	1	4		13		12	1 1	10		9	\wedge	8		7	6	5	4	3	2		1
	PART NO	REV	N/P TYPE	HEADER HOUSING	SHIELD	FACE SEAL	COMPRESSION LIMITER	DRY FILM REFER CONTROL TO PLAN	MATING CONFIG							TOLERANCE UNLES ±0.15 ±0.2 ±0.3 ±0 ANGULAR	S OTHERWISE SPECIFIED .4 ±0.5 ±0.6 ±0.8 ±1 ±1.2 TOLERANCE ±2°		SIZE SCAL Alx4 2:1	FRAME NO SHEET NO 1 0F 2 1 0F 1	STG REV N/P
	33300632	01 /	AE 101	33299819	33299805	3 3 2 9 9 8 2 2	33211751	M6504001	35016238							$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	PROJECTION DO NOT C		330063	7
	33300633	01 /	AD 102	33300625	33299805	33299822	33211751	M6504001	35016239								LIMITS ARE ESTABLISHED		DRAWING NUMBER		
	35050067	01 /	AD 103	35012445	33299805	33299822	33211751	M6504001	35016242								DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE		I TAXI ASM CC	INN MHZVULTAGEM	IXED SLD
Γ	35050068	01 /	AD 104	35012446	33299805	33299822	33211751	M6504001	35016243								N/A PROCESS SENSITIVE DIMENSION	REFERENCE	DRAWING NAME		
																		ALL DIMENSIONS ARE IN MILLIMETERS			





22 21 20 19 18 17	16 15 14 13 12 11 1	10 9 8 7 6	<u>j</u> 4 <u>3</u> <u>2</u> <u>1</u>
		SYMBOL DEFINITION A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING. HAST NO	MISSING SYMBOLS MUSSING SYMBOLS DWG STATUS REVISION HISTORY AUTH DR APVD APVD 2 OF ONS NO MISSING SYMBOL NUMBER DATE STG REV N/P CHG ZONE RELEASED PART DRAWING 435588 RAK RAK TM 0F ONS 55 16JL18 R 02 - - 33300632 UPDATED PART AVAILABILITY 440192 LVD JAA TM 090C18 R 03 - - ALL PARTS - (0.9) WAS 0.9 ± 0.2, ADDED 441208 LVD JAA TM
$(4 \times 18) (30.5) (2 \times 17)$		LAST NO. USED	35 VALIDATION DATA NOTES, DRY FILM COLUMN INFO TO CHART & DIM #35 AND REMOVED 35034197 FROM PART ACCEPTANCE NOTE; 33300633 - UPDATED PART AVAILABILITY 15N018 R 04 - - ALL PARTS - ADDED "SLOT IN SHIELD POSITION ACCEPTANCE" LABEL 441606 LVD JAA TM
			15FE19R05ALL PARTS - UPDATED ISOMETRIC VIEW442399JLLJAATM27AU19R06ALL PARTS - UPDATED VALIDATION DATA NOTE444310JGMJGMTM
(2×25)	<u>30</u> (53.9)		
2X (37) - IT IS ACCEL FADEL FOR THE SECT IN SHIELD P/N 33299805 TO BE ORIENTED 180° OPPOSITE OF THE POSITION SHOWN ON THIS PRINT.	(29) (41.9) (12) (1.5) (1.5)	NOTES	
		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.	
$(48) \qquad \qquad$		 2. REFERENCE MATING COMPONENTS OR EQUIVALENT: CONNECTOR ASSEMBLIES SHOWN ON TAXI 33300639 AND 33314149 3. THIS PART ACCEPTS THE FOLLOWING COMPONENTS OR EQUIVALENT: 	
A A A A A A A A		CONNECTOR ASSEMBLIES SHOWN ON TAXI 33311168 & 33314144 4. FOR DEVICE CASE MATING CONFIGURATION REQUIREMENTS: SEE TAXI 35016237	
MM. ED 4MM.	ALL AROUND SEE NOTE # 9	MULTIPLE ASSEMBLIES. THE HEADER COMPONENT IS A MODOLAR COMPONENT USED IN MULTIPLE ASSEMBLIES. THE HEADER COMPONENT IS ALSO AVAILABLE IN VO MATERIAL. HEADER INDEXING MUST BE VERIFIED WHEN MULTIPLE HEADERS WITHIN THIS CONNECTOR FAMILY ARE USED. SEE ASSEMBLY 35028306 AND TAXI 35161786 FOR SHARED INDEXING. 6. THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM, MINOR	
TYPE I O I		IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR BLEMISHES, GATE VESTIGE, AND SOFT FLASH THAT DO NOT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER EANP_4-3_CS_01_EN. 7. RECOMMENDED FASTENER TIGHTENING TORQUE IS 2.5N. OVER TORQUE TESTING AND TORQUE TO FAILURE MUST BE PERFORMED BY DEVICE CASE OR TIER ONE SUPPLIER.	
		 8. THIS ASSEMBLY MUST BE LEAK TESTED PER ES-A-755. 9. SEAL MAY BECOME DISLODGED DURING SHIPPING AND HANDLING. BEFORE ATTACHING TO THE MATING DEVICE OR COVER, THE OPERATOR MUST MAKE SURE THE SEAL IS INTACT AND PROPERLY ASSEMBLED AS SHOWN. 10. HARNESS MANUEACTURER IS RESPONSIBLE FOR VALUEATING THE CONNECTION AS 	
	HEADER SHROUD (SEE CHART) SHIELD - (SEE CHART)	APPLIED ON CABLE TO THE REQUIREMENT OF SPECIFIC APPLICATION. 11. CONNECTOR DESIGNS PROVIDE THE FOLLOWING MINIMUM CREEPAGE DISTANCE WHEN MATED, AS PER IEC 60664 WITH POLLUTION DEGREE = 2 OR 3; SEE THE SPECIFIC INNER CONNECTOR PRINTS THAT WILL BE ASSEMBLED INTO THIS HEADER FOR DISTANCES.	
(8) M6504001 MUST BE DUSDEDSED EVENILY	5X (6.1) TYP	 12. ELECTRIC VEHICLE CHARGING AND OTHER HIGH DUTY CYCLE APPLICATIONS CARRYING > 25A REQUIRE THE FOLLOWING MIN 5.0 MM² COPPER CONDUCTORS. TERMINAL TO CONDUCTOR INTERFACE RESISTANCES ∠ 0.2 MILLIOHMS. SOLDERED CRIMPS ARE RECOMMENDED. TERMINAL TEMPERATURES NEED TO BE MEASURED IN THE VEHICLE APPLICATION TO 	
ACROSS THE ENTIRE INSIDE SURFACE OF THE SHROUD TO THE SPECIFIED DEPTH SHOWN. (SEE NOTES #14 & #17)	PRESS FIT INSERT-4PLACES (SEE CHART)	13. PARTS MUST BE PACKAGED IN COMPARTMENTAL CONTAINERS OR TRAYS AND BE PACKED IN PLASTIC BAGS OR THE SHIPPING CONTAINER MUST BE LINED WITH PLASTIC LINERS. BAG OR LINERS MUST BE SEALED TO AVOID FORIEGN MATTER.	
	FACE SEAL = (SEE CHAPT)	PARTICULATE THEY MAY CAUSE FIT OR FUNCTION CONCERNS. 15. REFERENCE MANUAL 33357995 FOR ASSEMBLY/DISASSEMBLY INFORMATION. 16. WHEN MATED WITH AN INNER CONNECTOR, THE HEADER/INNER CONNECTOR ASSEMBLIES MUST WITHSTAND AN ELECTRICAL HI-POT TEST OF 3000 VOLT(AC) FOR 10 SECONDS	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
	SECTION A - A	 DETWEEN THE MALE TERMINALS AND SHIELD. 17. M6504001 MUST BE APPLIED EVENLY ACROSS THE SEALING SURFACE. DRY-FILM APPLICATION MUST BE INSPECTED PER THE MEASUREMENT METHOD DEFINED IN THE CONTROL PLAN AND APPROVED BY THE PRODUCT ENGINEERING PORTFOLIO MANAGER. 18. ALL LISTED ASSEMBLIES VALIDATED TO SAE/USCAR-2 R6: 2013-02; 	THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING. WARKEN, UH CONTACT APTIV SALES TO ASSURE AVAILABILITY COPYRIGHT 2017 APTIV. ALL RIGHTS RESERVED. DWG TYPE THIS DRAWING IS THE PROPERTY OF APTIV AND CONTAINS APTIV DWG TYPE PART DRAWING STYLE DATE
		SAE/USUAR-3/; ΖΟΟΥ-ΟΥ ΑΟΘ ΖΟΟΥ (Ι3, VI, S3)	VOLUME (CM ³) DISTR CODE APVD1 ABHAYA KISHORE 08DE17 APVD2 ABHAYA KISHORE 08DE17 APVD3 T. MORGAN 08DE17 APVD4 APVD4 APVD5 SUBSTANCES OF CONCERN AND RECYCLED
	35050068 01 AD 104 35012446 33299805 33299822 33211751 M6504001 35050067 01 AD 103 35012445 33200005 33200022 33211751 M6504001	35016243	Indlemanding addendum-2001. Separate patterns of features may be gaged separately regardless of datum references. Indlemanding addendum-2001. Separate patterns of content per aptiv 10949001 Material Material N/A PROCEss sensitive dimension References Reference Dimensions enclosed in () indicate Reference

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