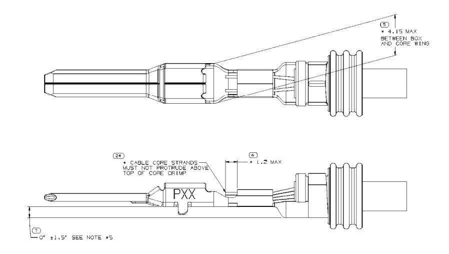
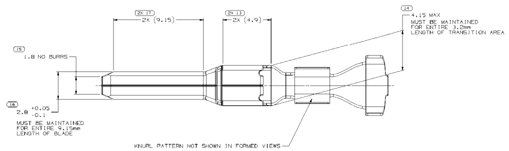
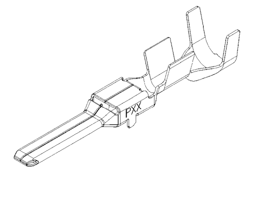
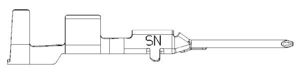
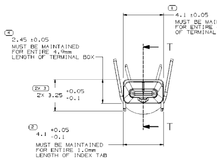


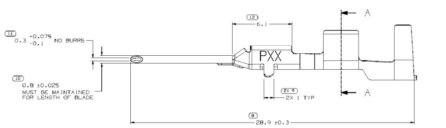
TERMINAL, CABLE ALIGNMENT & POSITION

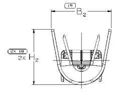


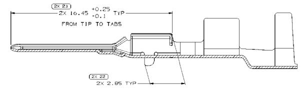




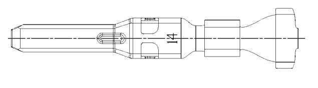


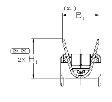






SECTION T - T





SECTION A - A

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	NO MISSING SYMBOL NUMBER
	LAST NO. USED	24	

DWG STATUS DATE	STG	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
26FE14	R	01	-	-		13964777 - WAS PE247704 AND RELEASED; 13964776 - WAS PE247705 AND RELEASED; 13964775 - WAS PE247706 AND RELEASED; 13964774 - WAS PE247707 AND RELEASED	425586	APB	EVV	RJB
29AP14	R	02	-	-		ALL PARTS - 2X 3.25 +0.05/-0.1 WAS 2X 3.25 ±0.05 & 2X (9.15) WAS 2X (9.45), ADDED DIM #24, REMOVED LABEL FROM DIM #17, SEAL OD COLUMN IN CHART AND REVISED NOTE #1 & LABELS FOR DIMS #1, #2, #4, #10 & #16	426415	APB	EVV	RJB
01DE14	R	03	-	-		ALL PARTS - 2X (4.9) WAS 2X 4.9 & 2X 16.45 +0.25/-0.1 WAS 2X 16.45 +0.2/-0.1, ADDED MATING COMPONENTS & CUT-OFF NOTES AND REVISED PERFORMANCE REQUIREMENT RATING NOTE; 13964774, 13964776 - REVISED CABLE DIAMETER COLUMN	428273	APB	APB	RJB
02MR15	R	04	-	-		ALL PARTS - 0.3 +0.075/-0.1 WAS 0.3 ±0.075 AND REVISED CURRENT CAPACITY NOTE	428985	APB	APB	RJB
02MR15	R	05	-	-		ALL PARTS - UPDATED PART AVAILABILITY	429248	APB	APB	RJB
04AU15	R	06	-	-		ALL PARTS - REVISED MAX CRIMP NOTE	430331	APB	APB	RDL

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 FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.

2. MAXIMUM INSULATION CRIMP WIDTH OF 5.5mm AND HEIGHT 4.9mm FOR CABLE SIZE UP TO 3.0mm O.D. WHEN USED WITH 6.1mm O.D. ROUND CAVITY, MAXIMUM CORE CRIMP WIDTH OF 4.4mm.

   WHEN USED WITH 6.4mm HEIGHT AND 5mm WIDTH OVAL CAVITY, MAXIMUM INSULATION CRIMP WIDTH OF 4.85mm AND HEIGHT 5.05mm FOR CABLE SIZE UP TO 3.0mm O.D.

3. MAXIMUM CURRENT CAPACITY AS DEFINED BY USCAR-2 R5 SECTION 5.3.3 IS 25 AMPS WITH 2.5mm² COPPER CABLE

4. PLATING TYPE:

   I. REFLOW TIN 1.9 - 3.3 MICROMETERS THICK OVER NICKEL UNDERPLATE 0.13 - 0.5 MICROMETERS THICK.

   PLATING TYPE INFORMATION SHOWN ABOVE IS REFERENCE ONLY. PLATING REQUIREMENTS ARE CONTAINED IN APPLICABLE MATERIAL SPECIFICATION.

5. PLUS ANGLE IS WING BOTTOM SURFACE ROTATED COUNTERCLOCKWISE AGAINST THE BOX BOTTOM SURFACE.

6. PARTS MEET THE PERFORMANCE REQUIREMENTS OF GMW3191 DEC2007 AND SAE/USCAR-2 R5 REVISIONS FOR THE FOLLOWING CLASSIFICATIONS:

   TEMPERATURE CLASS 3 (-40°C TO 125°C)
   VIBRATION CLASS 1 (ON BODY OR CHASSIS)
   VIBRATION CLASS 2 (ON ENGINE) FOR SAE/USCAR-2 ONLY
   SEALING CLASS 2 OR 3 (SEALED - CONNECTOR & CABLE SEAL DEPENDENT)

7. REFERENCE MATING COMPONENTS OR EQUIVALENTS:
   TERMINAL 13919139

8. * DENOTES DIMENSIONS MADE AT CUT-OFF AND CRIMP DIE

PART NUMBER	REV	N/P	MATERIAL DESCRIPTION	MATERIAL THICKNESS	CONTACT AREA PLATING TYPE (SEE NOTE 4)	CRIMP AREA PLATING TYPE (SEE NOTE 4)	CONTACT PLATING I.D.	CABLE I.D.	COPPER CABLE SIZE (mm²)	COPPER CABLE DIAMETER	B_1 ±0.15	B_2 ±0.25	(H_1)	(H_2)	TYPICAL CABLE SEAL
13964774	01	AE	NI/SN PLATED COPPER ALLOY	0.25	I	I	SN	21	0.35 - 0.5	1.2 - 1.83	2.1	4.5	2.2	4.3	13834633
13964775	01	AE	NI/SN PLATED COPPER ALLOY	0.25	I	I	SN	17	0.75 - 1.0	1.7 - 2.3	2.7	5.05	2.9	4.9	13834634
13964776	01	AE	NI/SN PLATED COPPER ALLOY	0.25	I	I	SN	15	1.25 - 1.5	1.8 - 2.4	3.25	6.1	3.25	5.6	13834635
13964777	01	AE	NI/SN PLATED COPPER ALLOY	0.25	I	I	SN	14	2.0 - 2.5	2.3 - 3.0	3.7	6.1	4	5.6	13834635

DRAWING NUMBER 13954068 — SIZE A1x3 — SCALE 10:1 — FRAME NO 2 OF 11 — SHEET NO 1 OF 1 — REV 06

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 DELPHI SALES TO ASSURE AVAILABILITY OF PARTS.

DWG TYPE: PART DRAWING

STYLE

VOLUME (CAP) — DISTR CODE: D

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) — CHART D — FROM 0 — >12 — UNLESS OTHERWISE SPECIFIED ±0.1 ±0.2 — ANGULAR TOLERANCE ±2°

THIRD ANGLE PROJECTION

DO NOT SCALE — USE MATH DATA — CAD — NX

DELPHI

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
WARREN, OH

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		DATE
DR		
APVD1	ALAIN PREVOST	26FE14
APVD2	ELIAS VAZQUEZ V.	26FE14
APVD3	RAYMOND J. BLASKO	27FE14
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL: SEE CHART

DRAWING NAME: TAXI TERM M OCS 2.8 SN SEALED

DRAWING NUMBER: 13954068

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1x3	10:1	1 OF 1	1 OF 1	R	06	-

13954068