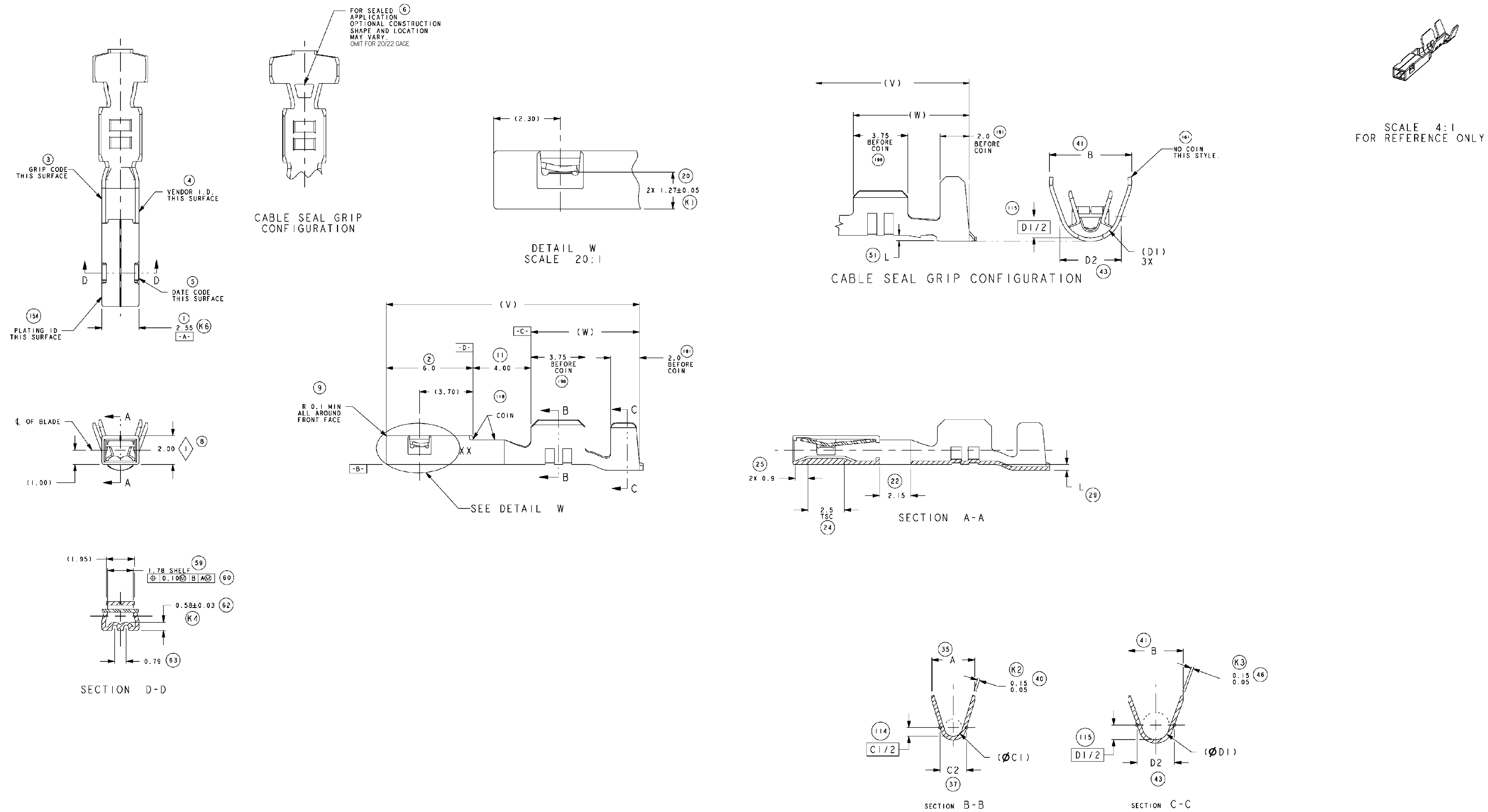



| DWG STATUS DATE | STG | REV | N/P | CHG | ZONE | REVISION HISTORY | AUTH | DR | APVD 1 | APVD 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 05MR12 | R | 01 | - | - | | INITIAL DRAWING RELEASED | - | AKA | RDE | PKU |
| 12AP13 | R | 02 | - | - | | 15521507,15521509,15521511,15504561 AND 15540783 - RELEASED; ALL PARTS - UPDATED MVL PASTE UP DWG TO REV E AND ADDED INSPECTION SYMBOLS/BALLOONS | 421194 | CGD | JAA | DAB |
| 08JA14 | R | 03 | - | - | | 33517385 - RELEASED | 425131 | CGD | CGD | DAB |
| 08AP14 | R | 04 | - | - | | ALL PARTS - ADDED LABEL ON CABLE SEAL GRIP VIEW, METRIC WIRE RANGE, CONDUCTOR & INSULATION WING CHART INFO ON DWG AND REMOVED CHARTED CABLE SEAL ON DWG; 15521509,15504561,33517385 - AWG WIRE GAGE WAS 22,24 | 426002 | CGD | JAA | DAB |
| 30JN14 | R | 05 | - | - | | 15548858 - RELEASED | 426903 | JAA | JAA | MAA |

GENERAL NOTES:

◇ QUALITY ASSURANCE REQUIREMENTS SPC DATA REQUIRED :1

(K) INDICATES IN-PROCESS INSPECTION FOR MANUFACTURING DIMENSION(S) OR SPECIFICATION(S) :5 (K5 NOT USED)

(112A) MATERIAL TYPE (1) (112)
(112B) TERMINAL: 0.254 ±.008 C19210 TO ASTM B465
100% ELECTRO MATTE TIN PLATED
0.00127/0.00254 THICK (112C)
(112D) TENSILE STRENGTH: 414-483Mpa
YIELD STRENGTH: 414Mpa MIN. (112F)
(112E) ELONGATION IN 51mm: 2% MIN.

(111A) MATERIAL TYPE (2) (111)
(111B) SPRING: 0.203 ±.008 C17200 TO ASTM B194
100% ELECTRO MATTE TIN PLATED
0.00127/0.00254 THICK (111C)
(111D) TENSILE STRENGTH: 1070-1207Mpa
YIELD STRENGTH: 930Mpa MIN. (111F)
(111E) ELONGATION IN 51mm: 4 MIN.

(110A) MATERIAL TYPE (3) (110)
(110B) TERMINAL: 0.254 ±.008 C19210 TO ASTM B465
BARE FOR GOLD PLATED PRE-FORMED PARTS.
(110D) TENSILE STRENGTH: 414-483Mpa (110C)
YIELD STRENGTH: 414Mpa MIN.
(110E) ELONGATION IN 51mm: 2% MIN. (110F)

MATERIAL TYPE (4)
NOT USED AT THIS TIME

(160A) MATERIAL TYPE (5) (160)
(160B) SPRING: 0.203 ±.008 C17200 TO ASTM B194
100% SULFAMATE DUCTILE NICKEL
TO ASTM B689 TYPE 2 (160C)
0.00127/0.00254 THICK
(160D) TENSILE STRENGTH: 1070-1207Mpa
YIELD STRENGTH: 930Mpa MIN. (160F)
(160E) ELONGATION IN 51mm: 4 MIN.

APEX 1.5mm TERMINAL IS SYMMETRICAL ABOUT CENTERLINE AND CAN BE INSERTED 180°

(154)

| PART NUMBERS Z | PART NUMBERS GS | AWG WIRE GAGE | METRIC WIRE GAGE | GRIP CODE | CABLE SEAL | UNSEALED/ END SEAL | A | B | (ØC1) | C2 | (ØD1) | D2 | L | V | W | CONDUCTOR WING BLANK | INSULATION WING BLANK | METRIC WIRE RANGE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54002214 | 54002226 | 22 | ---- | 22 | YES | NO | 2.6 | 4.3 | 0.8 | 1.37 | 2.6 | 3.25 | 0.75 | 18.0 | 8.00 | (5.35) | (8.90) | 0.35/0.50 |
| 54001826 | 54001837 | 18,20 | ---- | 18 | YES | NO | 3.0 | 4.7 | 1.2 | 1.81 | 3.0 | 3.6 | 0.85 | 18.0 | 8.00 | (6.70) | (10.20) | 0.75/1.25 |
| 54001417 | 54001428 | 14,16 | ---- | 14 | YES | NO | 3.8 | 5.7 | 1.4 | 2.03 | 3.6 | 4.32 | 1.05 | 18.0 | 8.00 | (8.90) | (11.90) | 1.50/2.50 |
| 54002215 | 54002220 | 22 | .35,.50 | 22 | NO | YES | 2.6 | 3.0 | 0.8 | 1.37 | 1.4 | 2.03 | 0.40 | 17.5 | 7.50 | (5.35) | ---- | 0.35/0.50 |
| 54001823 | 54001831 | 18,20 | .75,1.0,1.25 | 18 | NO | YES | 3.0 | 3.8 | 1.2 | 1.81 | 1.8 | 2.36 | 0.40 | 17.5 | 7.50 | (6.70) | (7.50) | 0.75/1.25 |
| 54001414 | 54001422 | 14,16 | 1.5,2.5 | 14 | NO | YES | 3.8 | 4.7 | 1.4 | 2.03 | 2.5 | 2.92 | 0.40 | 17.5 | 7.50 | (8.90) | (9.40) | 1.50/2.50 |

ID STAMP: Z = ELECTRO TIN; GS = GOLD SPOT, STRIPE (PLATING TYPE). GRIP TYPE: CABLE SEAL / UNSEALED/END SEAL. GRIP DIMENSIONS: A through METRIC WIRE RANGE.

| ECN-NO. | ZONE | REVISION | DATE | CHANGE DESCRIPTION |
|---|---|---|---|---|
| 11907 | ALL | E | 04/05/11 | ACTIVATED GOLD SPOT PLATING, OPENED TOLERANCES ON PLATING THICKNESS REVISED CRIMP NOTES ON SHEET 2, ELIMINATED STRIPE GOLD STAMP "X" REPLACED LCS SEAL LSR-3115 WITH DSR SEAL A-0419 |
| 11693 | ALL | D | 10/12/10 | UPDATE DRAWING TO AGREE WITH 1.2 CUST DRAWING, UPDATE TO ADD METRIC WIRE, GOLD PLATING I.D. X WAS Y IN ERROR. |
| 10428 | ALL | C | 5/29/08 | REDRAWN IN PRO/E ON NEW FCI TITLE BLOCK, SEE REV B1 FOR PREVIOUS CHANGES DELETED P/N'S FOR GOLD OPTION 1 & 2 DIMENSION R0.17 CHANGED TO REFERENCE UPDATED SPOT GOLD PLATING DETAILS UPDATED WINDING DIRECTION NOTE UPDATED CRIMP SPECIFICATIONS & CHART UPDATED DIRECT CONNECT BLADE DIMENSIONS PER USCAR EWCAP001 |

PRODUCT SPEC: APEX 1.5MM | PACKAGING SPEC: N/A | APPLICATION SPEC: N/A | THIS DRAWING AND ALL OTHER INFORMATION CONTAINED THEREIN IS PROPRIETARY AND THE PROPERTY OF FCI. This drawing may not be copied, reproduced or disclosed to any third party without the expressed written permission of FCI. FCI April©1999
COMMON PART N.: C18002-CUST | MATERIAL: (SEE NOTES) | SURFACE FINISH: (SEE NOTES) | COLOUR: N/A | TOOL NO.: D-524 | ECO loc. Code: AN | CAD SYSTEM: pro / eng. | DWG SIZE: A0
TITLE: CHARTED - 1.5mm APEX FEMALE TERMINAL | DRAWING NUMBER: C18001-1.5MM-CUST | REV.: E | PART NUMBER: SEE TABLE | SHEET 1 of 2 | SCALE 10:1
CREATED BY 01-06-04 J.LAURIN | MODIFIED BY 8-06-08 VINAYAK | CHECKED BY 8-06-08 VINAYAK | APPROVED BY 8-06-08 SUCHA SINN | ESR NO. AM 030 093 | FILE NAME C18001_1.5_CUST

| MVL PART NUMBER | REV | DELPHI PART NUMBER | REV | N/P | BASE MAT'L SPEC OR MADE FROM PART NUMBER | SPRING MAT'L SPEC | PLATED PARTIALLY NOTCHED, FORMED RIBS PART NUMBER | REV | N/P | PLATED PARTIALLY NOTCHED, FORMED RIBS MAT'L SPEC | PARTIALLY NOTCHED, FORMED RIBS MAT'L SPEC | UNPLATED MAT'L SPEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~54001422~~ | E | ~~15548858~~ | 01 | | M6591AX0 | M6570H86 | 15540783 | 01 | AA | M6591AX0 | M6588AB0 | M6572H91 |
| 54001414 | E | 15521507 | 01 | AA | M6573H91 | M6569H86 | - | - | - | - | - | - |
| 54001823 | E | 13679770 | 01 | AC | M6573H91 | M6569H86 | - | - | - | - | - | - |
| 54002215 | E | 15521509 | 01 | AA | M6573H91 | M6569H86 | - | - | - | - | - | - |
| 54001831 | E | 13568783 | 01 | AC | M6591AX0 | M6570H86 | 15540783 | 01 | AA | M6591AX0 | M6588AB0 | M6572H91 |
| 54001831RWC | E | 15521511 | 01 | AA | 13568783 | - | - | - | - | - | - | - |
| 54002220 | E | 15504561 | 01 | AA | M6591AX0 | M6570H86 | 15540783 | 01 | AA | M6591AX0 | M6588AB0 | M6572H91 |
| 54002220RWA | E | 33517385 | 01 | AA | 15504561 | - | - | - | - | - | - | - |

PREPROCESS PLATING INFORMATION

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. SEE 13589458 FOR 1.2 TERMINAL.

TOLERANCE UNLESS OTHERWISE SPECIFIED:
DECIMAL: ANGULAR ±2°
TWO PLACE : SEE DRAWING
THREE PLACE : SEE DRAWING

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 (CM³):
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

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 | A. KALINSKA | 05MR12 |
| APVD2 | R. DEKA | 05MR12 |
| APVD3 | P. KUTRYBALA | 05MR12 |
| APVD4 | | |
| APVD5 | | |

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL: SEE CHART

DRAWING NAME: TAXI ASM TERM F 1.5

DRAWING NUMBER: 13949867

| SIZE | SCALE | FRAME NO | SHEET NO | STG | REV | N/P |
|---|---|---|---|---|---|---|
| A0 | NONE | 1 OF 2 | 1 OF 2 | R | 05 | - |

User: wz027c
Part: 13949867-CUS01-S01 Date: 30-Jun-14 Time: 07:41
Message:

# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## APTIV:

12047936 12089040 15514807 33118031 33517516 12065287 15326640 15422510 15436200 12129557
15327863 15396712 15356825 15457847 33342277 10866616 12047785 12191811 13534591 54200608
30200701 12158098 13737699 15335987 15432233 15304730 211A567007 211PC042S4021 15324525
15493001