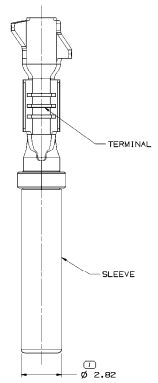
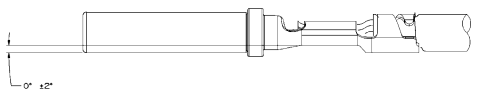
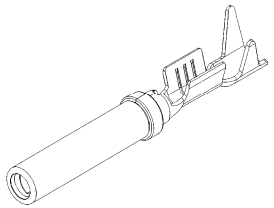
| SYMBOL DEFINITION | | | MISSING SYMBOLS |
|---|---|---|---|
| A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL [ ] DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING. | TOTAL NO OF INSPECTIONS REQUIRED | 4 | NO MISSING SYMBOL NUMBER |
| | LAST NO. USED | 4 | |

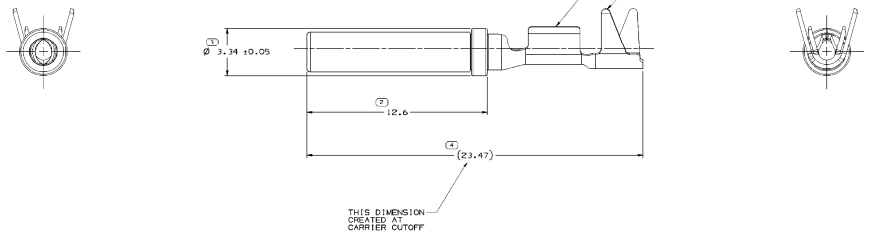
| DWG STATUS DATE | STS | REV | N/P | CHG | ZONE | REVISION HISTORY | AUTH | DR | APVD/APVD 1 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 21AUG8 | R | 01 | - | - | | 13637118, 13637119, 13637120, 13690839, 13690837, 13697414, 13697415, 13697416, 13697417, 13697418 & 13697419 RELEASED | 410819 | END | END | RP |
| 10AU09 | R | 02 | - | - | | ALL PARTS - DIM Ø 3.34 ±0.05 WAS Ø 3.34 ±0.15/-0 | 418568 | ECS | AUG | PRO |
| 18AU09 | R | 03 | - | - | | ALL PARTS - REVISED NOTE #3 | 418674 | ECS | AUG | PRO |
| 27OCT9 | R | 04 | - | - | | ALL PARTS - ADDED LUBRICATION NOTE #4 | 419315 | JTZ | FKY | PRO |
| 02JL10 | R | 05 | - | - | | ALL PARTS - UPDATED PDM ATTRIBUTES | 411272 | ESC | ESC | PRO |
| 10DE10 | R | 06 | - | - | | 13697414 & 13697417 - CABLE DIA 1.4-2.15 WAS 1.8-1.87 | 412956 | CBD | CBD | PRO |
| 07MR11 | R | 07 | - | - | | ALL PARTS - ADDED TERMINAL NOTES | 413478 | MIC | AMC | PRO |
| 27MY11 | R | 08 | - | - | | ALL PARTS - ADDED ASSEMBLY NOTE | 414410 | JTZ | JTZ | PRO |
| 03JN11 | R | 09 | - | - | | ALL PARTS - UPDATED PDM ATTRIBUTES | 414463 | JCF | JAA | PRO |
| 09SE11 | R | 10 | - | - | | ALL PARTS - REMOVED "MAX CURRENT CAPACITY" & "INSULATION CRIMP" NOTES | 415284 | KJF | JWM | PRO |
| 14OC11 | R | 11 | - | - | | ALL PARTS - ADDED TERMINAL APPLICATION INFORMATION NOTE | 415778 | JCF | JWM | PRO |
| 01FE12 | R | 12 | - | - | | ALL PARTS - UPDATED PDM ATTRIBUTES | 421280 | CER | CER | PRO |




CRIMPED TERMINAL AND CABLE ALIGNMENT






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. TERMINAL MUST BE MADE BY APPLYING NYE 1489 LUBE OIL OR EQUIVALENT (PREFERRED WITH A FLUORESCENT TRACE ADDED), AFTER STAMPING (OR FINAL PROCESS PRIOR TO SHIPPING). NYE 1489 MUST BE PRESENT ON THE MATING INTERFACE AREA AND ON THE OUTSIDE SURFACE OF THE CORE CRIMP WINGS. THE RECOMMENDED APPLICATION METHOD RATE UTILIZES A QUANTITY OF 0.75 GALLONS MINIMUM PER 1 MILLION TERMINALS. ANY OTHER LUBRICANT MUST BE APPROVED BY DELPHI CONNECTION SYSTEMS PRODUCT ENGINEERING. THE NYE 1489 OIL CAN ALSO BE APPLIED DURING THE STAMPING OPERATION AT A RATE OF 50% NYE 1489 AND 50% FIN LUBE 177 (SUPPLIED BY PPG).

3. TERMINAL CAN BE USED IN ANY 1.0 MM (SIZE 16 MIL 39029) INDUSTRY STANDARD CAVITY EXAMPLES - DEUTSCH DT, AMPSEAL 16

4. TERMINAL IS DIRECT REPLACEMENT FOR (EQUIVALENT TO) THE DEUTSCH 1062-16-XXXX FAMILY OF STAMPED AND FORMED CONTACTS

5. REFER TO DRAWING NUMBER 13922721 FOR TERMINAL APPLICATION INFORMATION (CURRENT CARRYING CAPABILITY, CABLE CRIMP RANGE, ETC.)

MATERIAL NOTES :

TERMINAL: COPPER ALLOY - 0.30 THK
SLEEVE: STAINLESS STEEL - 0.13 THK

ASSEMBLY NOTE:

1. SLEEVE MUST WITHSTAND PULL-OFF FORCE IN DIRECTION PARALLEL TO CENTER OF TERMINAL OF 60 NEWTONS MIN.

| PART NO | REV | N/P | STATUS | CONTACT PLATING | SIZE (MM²) | ID | DIA | MATING TERM |
|---|---|---|---|---|---|---|---|---|
| 13697419 | 01 | AK | - | GOLD | 2-3 | 13T | 2.4-3.31 | 13697413 |
| 13697418 | 01 | AK | - | GOLD | 1-1.5 | 15T | 1.8-2.45 | 13697412 |
| 13697417 | 01 | AL | - | GOLD | 0.5-0.8 | 19T | 1.4-2.15 | 13697411 |
| 13697416 | 01 | AK | - | NICKEL | 2-3 | 13T | 2.4-3.31 | 13697410 |
| 13697415 | 01 | AK | - | NICKEL | 1-1.5 | 15T | 1.8-2.45 | 13697409 |
| 13697414 | 01 | AL | - | NICKEL | 0.5-0.8 | 19T | 1.4-2.15 | 13697408 |
| 13690837 | 01 | AK | - | GOLD | 2-3 | 13 | 2.89-3.67 | 13690840 |
| 13690836 | 01 | AK | - | GOLD | 1-1.5 | 15 | 2.4-3 | 13690839 |
| 13690835 | 01 | AK | - | GOLD | 0.5-0.8 | 19 | 2-2.78 | 13690838 |
| 13663720 | 01 | AK | - | NICKEL | 2-3 | 13 | 2.89-3.67 | 13663717 |
| 13663719 | 01 | AK | - | NICKEL | 1-1.5 | 15 | 2.4-3 | 13663716 |
| 13663718 | 01 | AK | - | NICKEL | 0.5-0.8 | 19 | 2-2.78 | 13663715 |
| TERMINAL & SLEEVE ASSEMBLY | | | | | CABLE | | | |

THE DRAWN HEREBY PART NUMBER (IF LISTED) MAY PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING

PART NUMBERS THAT OR 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): DENSITY (GM/CM³):

UNLESS OTHERWISE SPECIFIED

DATA ZZZZZZZZ IS TO BE INTERPRETED WITH ZERO, ONE OR TWO DECIMAL PLACES AS SHOWN IN THE TOLERANCE BLOCK. ALL DIMENSIONS AND TOLERANCES ARE RELATED BEFORE APPLY APPL. TABLE IS INTENDED FORM AT THE TIME OF ORIGINAL RELEASE. DELPHI RESERVES THE RIGHT TO CHANGE DATA AT ANY TIME WITHOUT NOTICE. DELPHI MAKES NO EXPRESS OR IMPLIED WARRANTY, INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR AGAINST INFRINGEMENT. ALL WARRANTIES ARE IN MILLIMETERS

REFERENCE:

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

PROCESS INSPECTION STANDARDS

DIMENSIONS ENCLOSED BY [ ] INDICATE CHARACTERISTICS WHICH ARE TO BE CONTROLLED WITHIN THE STATISTICAL LIMITS ARE ESTABLISHED.

| DIMENSIONAL RANGE (MM) | SYSTEM C |
|---|---|
| FROM 0 | >12 |
| TO 12 | |

TOLERANCE LIMITS FOR DIMENSIONS SPECIFIED ARE: ±0.127 (.005) UNLESS TOLERANCE (C)

DELPHI

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE

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| DR | | DATE |
|---|---|---|
| APVD1 | E.NEAL DUNHAM | 21AUG8 |
| APVD2 | E.NEAL DUNHAM | 21AUG8 |
| APVD3 | R. POLNICK | 21AUG8 |
| APVD4 | | |
| APVD5 | | |

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI SPECIFICATION

SUPPLIER: SEE MATERIAL NOTES

DRAWING NAME: TAXI ASM TERM F HES 1.6

DRAWING NUMBER: 13654419

| SIZE | SCALE | TRANS NO | SHEET NO | STS | REV | N/P |
|---|---|---|---|---|---|---|
| A0 | 10:1 | 1 OF 1 | 1 OF 1 | R | 12 | - |