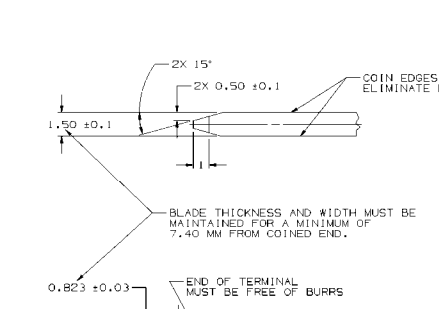



## MATERIAL SPECIFICATIONS

RECOMMENDED

BASE METAL - CDA-210, EXTRA SPRING TEMPER

PLATING - 0.005±0.0025 MM THICK TIN

MINIMUMS

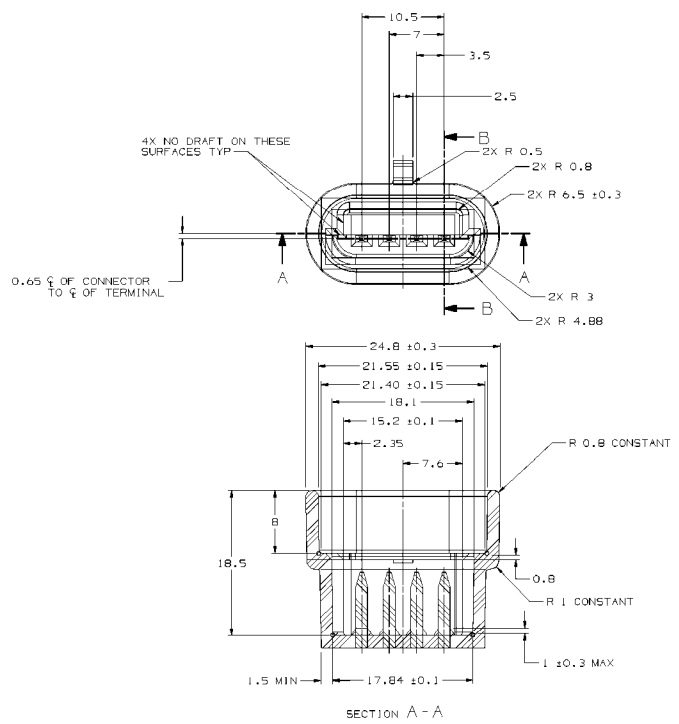
ELECTRICAL CONDUCTIVITY - ≥ 20% IACS AT 20°C. USE OF A MATERIAL WITH CONDUCTIVITY < 20% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGINEERING.

TENSILE STRENGTH - 407 MPa

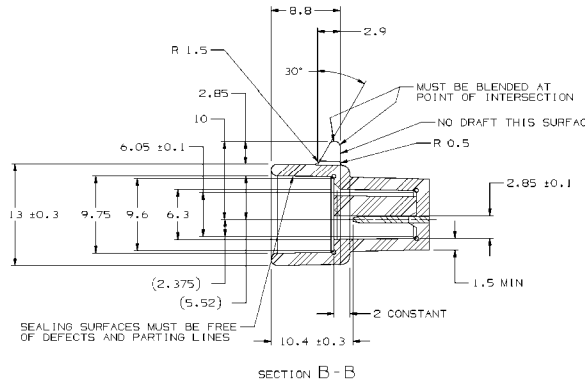
PLATING - FOR LOW ENERGY (≤5v) AND NON-PASSENGER COMPARTMENT POWER CIRCUITS, 0.005±0.0025 MM THICK TIN. FOR MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.005±0.0025 MM THICK IS REQUIRED.

## MATING BLADE INFORMATION

SCALE 8:1




SECTION A-A

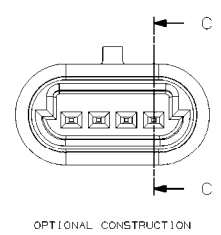



SECTION B-B

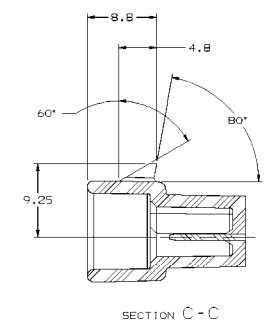
NOTES:

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 DIMENSION)
   FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.
   ALL RADII 0.40
   DRAFT IS 1° ON ALL OUTSIDE SURFACES
2. RECOMMENDED MATERIAL: GLASS REINFORCED NYLON OR POLYESTER

## MATING CONNECTOR INFORMATION




OPTIONAL CONSTRUCTION



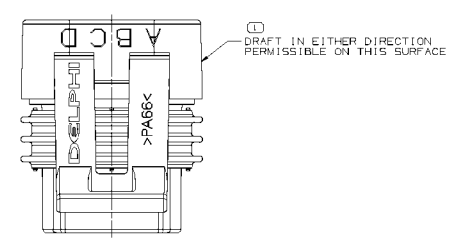

SECTION C-C

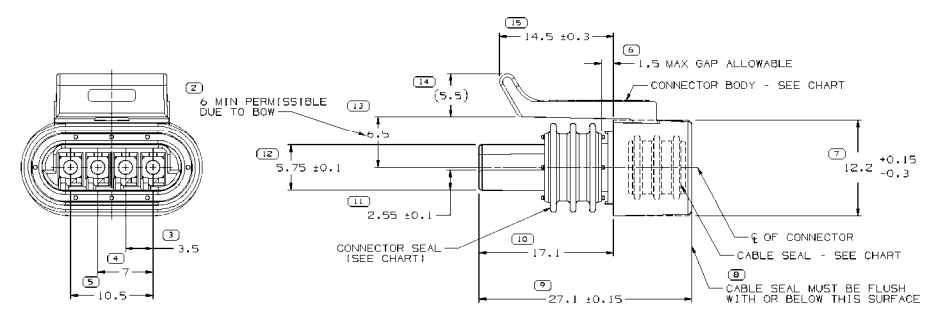
OPTIONAL CONSTRUCTION

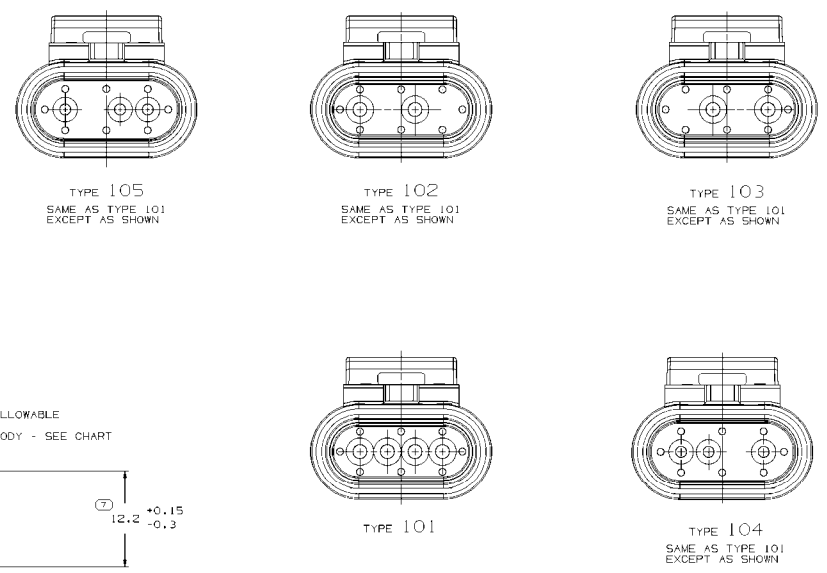
| SYMBOL DEFINITION | | |
|---|---|---|
| A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ⬭ DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING. | TOTAL NO OF INSPECTIONS REQUIRED | 15 |
| | LAST NO. USED | 15 |

| MISSING SYMBOLS |
|---|
| NO MISSING SYMBOL NUMBER |

| DATE | STD | REV | N/P | CHG | ZONE | REVISION HISTORY | AUTH | DR | APVD 1 | APVD 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 02MR99 | R | 001 | - | - | | CLEARED REV COLUMN; 15324665 - RELEASED | 990005 | GEG | GMC | JR |
| 12OC00 | R | 002 | - | - | | 15394088 - RELEASED | 000005 | EGR | GEG | JR |
| 05MR01 | R | 003 | - | - | | 15405971 - RELEASED | 206080 | EGR | RCH | JR |
| 12AP01 | R | 004 | - | - | | ADDED OPTIONAL CONSTRUCTION | 208531 | CJC | CJC | JM |
| 18AP02 | R | 005 | - | - | | 15405971 - CABLE SEAL WAS 15394067 - GRA LT | 221103 | LEG | GEG | JR |
| 11AP03 | R | 06 | - | - | | 12186695 & 12186829 - OBSOLETE | 238040 | RCH | RCH | JR |
| 13OC03 | R | 07 | - | - | | CORRECTED P/N 12162188 REVISION LEVEL FROM C TO B1 | 247271 | LWB | LWB | BG |
| 03JA14 | R | 08 | - | - | | ALL ACTIVE PARTS - ADDED LUBEWELL LUBRICANT NOTE | 424998 | JVR | JVM | KRM |
| 21FE17 | R | 09 | - | - | | 15324384-85 - UPDATED PART AVAILABILITY | 435768 | JTV | JTV | AC |



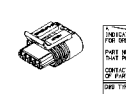




NOTES:

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 DIMENSION)
   FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.
2. WHEN PARTS ARE SHIPPED, THEY MUST BE PACKED IN PLASTIC BAGS OR SHIPPING CONTAINERS MUST BE LINED WITH PLASTIC LINERS. BAGS OR LINERS MUST BE SEALED TO AVOID ENTRY OF FOREIGN MATTER
3. FOR LEAD LENGTH CALCULATIONS, DISTANCE FROM MATING END OF CONNECTOR TO FRONT OF CABLE CORE IS 10.15/7.05
4. SEALING CODE 3
   DESIGN WILL PASS SALT FOG AND INMERSION TEST AFTER CONDITIONING AS SPECIFIED IN ESA-664 (WEATHER-PACK), ESA-710 (METRI-PACK), ESA-650 (UNDERHOOD MICRO-PACK), C-4006 (WORLD CONNECTOR), ETC. - WHEN MATED TO MATING PART OR EQUIVALENT
5. FOR PARTS NUMBERS WITH ADHESIVE, USE PM003510 OR ADHESIVE APPROVED BY MATERIALS ENGINEERING TO GLUE CONNECTOR SEAL TO CONNECTOR
6. S-60-T LUBEWELL LUBRICANT CAN BE USED AS AN AUXILIARY SUPPORT ON THE CABLE INSTALLATION PROCESS.
7. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.

| P/N WITH ADHESIVE | REV | N/P | P/N WITHOUT ADHESIVE | REV | N/P | TYPE | BLOCKED CAVITIES | CONNECTOR | CONNECTOR SEAL | CABLE SEAL & COLOR |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15405971 | 02 | AA | 105 | B | 12162187 | 12040756 | 15422575 - PURPLE |
| | | | 15394088 | 01 | AA | 104 | C | 12162187 | 12040756 | 15394067 - GRA LT |
| | | | 15324665 | 01 | AA | 101 | NONE | 15324666 | 12040756 | 12040757 - GREEN |
| | | | ~~15324385~~ | A2 | - | 103 | A, C | 12162187 | 12040756 | 15324383 - DK RED |
| | | | ~~15324384~~ | A2 | - | 102 | B, D | 12162187 | 12040756 | 15324383 - DK RED |
| ~~12186695~~ | B2 | | ~~12186829~~ | A2 | - | 101 | NONE | 12162187 | 12186823 | 12110186 - ORANGE |
| | | | 12186395 | A1 | - | 103 | A, C | 12186391 | 12040756 | 12186296 - PURPLE |
| | | | 12186394 | A1 | - | 102 | B, D | 12162187 | 12040756 | 12186296 - PURPLE |
| | | | 12162191 | B1 | - | 101 | NONE | 12162187 | 12040756 | 12124886 - BLUE |
| | | | 12162190 | B1 | - | 101 | NONE | 12162187 | 12040756 | 12110186 - ORANGE |
| | | | 12162189 | B1 | - | 101 | NONE | 12162187 | 12040756 | 12078081 - TAN |
| | | | 12162188 | B2 | - | 101 | NONE | 12162187 | 12040756 | 12040757 - GREEN |

| DRAWING NUMBER | | | | | | |
|---|---|---|---|---|---|---|
| 12162268 | | | | | | |
| SIZE | SCALE | FRAME NO | SHEET NO | STD | REV | N/P |
| A1x3 | 4:1 | 2 OF 2 | 1 OF 1 | R | 09 | - |



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 - 1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS. RULE #1(PERFECT FORM AT MMC) DOES NOT APPLY WHEN RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE BASED SEPARATELY, REGARDLESS OF DATUM REFERENCE. 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 | EI |
|---|---|---|---|---|---|---|---|---|---|---|
| FROM / TO | >0 / 20 | >20 / 30 | >30 / 70 | >70 / 100 | >100 / 150 | >150 / 200 | >200 / 250 | >250 / 300 | >300 / 400 | |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | ±0.15 | ±0.2 | ±0.3 | ±0.4 | ±0.5 | ±0.6 | ±0.8 | ±1 | ±1.2 | |
| ANGULAR TOLERANCE ±2° | | | | | | | | | | |

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

CAD NX

**DELPHI**

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TROY, MI 48098
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| | | DATE |
|---|---|---|
| DR | | |
| APVD1 | BRIAN K. DEW | 03FE94 |
| APVD2 | BRIAN K. DEW | 03FE94 |
| APVD3 | S. J. VUKMER | 08FE94 |
| APVD4 | | |
| APVD5 | | |

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI-A 10949001

MATERIAL: SEE DWG

DRAWING NAME: TAXI ASM CONN F M/P 150.2 SLD

| DRAWING NUMBER | | | | | | |
|---|---|---|---|---|---|---|
| 12162268 | | | | | | |
| SIZE | SCALE | FRAME NO | SHEET NO | STD | REV | N/P |
| A1x3 | 4:1 | 1 OF 2 | 1 OF 1 | R | 09 | - |

15195598