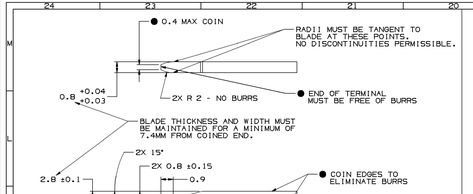



● THESE DIMENSIONS ARE CRITICAL TO THE MECHANICAL AND ELECTRICAL PERFORMANCE OF THE CONNECTION SYSTEM.

## MATERIAL SPECIFICATIONS

RECOMMENDED

BASE METAL - CDA-210, EXTRA SPRING TEMPER

- TIN PLATING (WHERE APPLICABLE TO 125°C MAX CONTINUOUS USAGE): 0.0050±0.0025 MM (200±100 µIN) ELECTROPLATED TIN.
- USAGE OF PLATING TYPES OTHER THAN RECOMMENDED MUST BE APPROVED BY DELPHI PACKARD ELECTRIC SYSTEMS ENGINEERING.

MINIMUMS

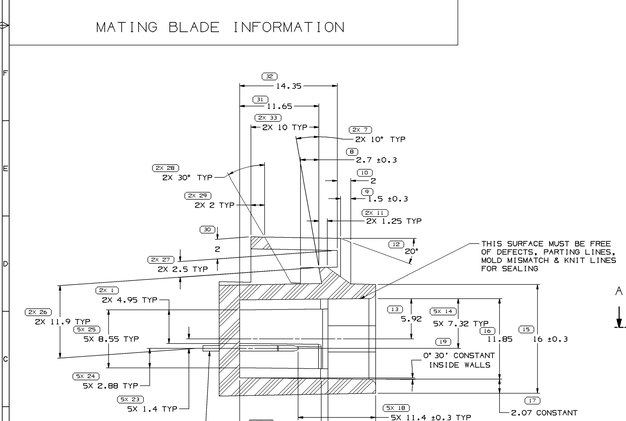
ELECTRICAL CONDUCTIVITY - ≥ 28% IACS AT 20°C. USE OF A MATERIAL WITH CONDUCTIVITY < 28% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGINEERING.

TENSILE STRENGTH - 420 - 475 MPa

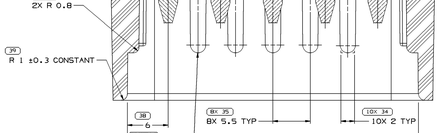
UNDERPLATING FOR TIN PLATING - FOR BASE MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.0025 MM (100 µIN) MINIMUM THICK IS REQUIRED.

PROCESSING LUBRICANT - ANY PROCESSING LUBRICANT REMAINING ON TERMINALS MUST NOT VARNISH OR DEGRADE THE ELECTRICAL PERFORMANCE OF THE CONNECTION UP TO A MAXIMUM TEMPERATURE OF 150°C. PROCESSING LUBRICANTS MUST BE APPROVED BY DELPHI PACKARD ELECTRIC SYSTEMS ENGINEERING.

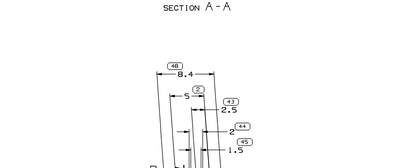
## MATING BLADE INFORMATION




SECTION B-B




SECTION A-A

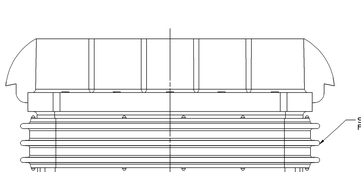



## MATING DEVICE DETAIL

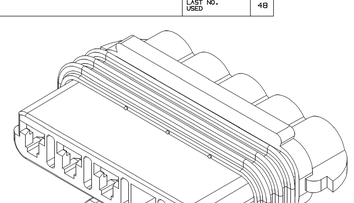
INSPECTION SYMBOLS SHOWN IN THESE VIEWS ARE FOR REFERENCE ONLY

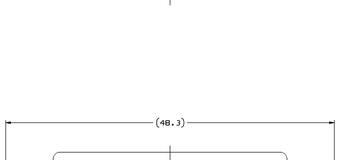
| SYMBOL DEFINITION | | MISSING SYMBOLS |
|---|---|---|
| A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL (▭) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING. | TOTAL NO OF INSPECTIONS REQUIRED: 117 | NO MISSING SYMBOL NUMBER |
| | LAST NO. USED: 48 | |

| DWG STATUS | | | | | ZONE | REVISION HISTORY | AUTH | DR | APVD | APVD |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE | STS | REV | ENG | CHG | | | | | | |
| 09AU06 | R | 01 | - | - | | CLEARED REV COL. ALL PARTS - REDRAWN TO ML. UPDATED MATING BLADE INFO. REMOVED TERMINAL 12015823, ADDED TPA 15324857 & CPA 12020833 TO NOTE 3, REMOVED ESA 644, ESA 650 & C-4006 FROM SEALING NOTE 5 | 283204 | EFS | TRG | WTM |
| 25OC06 | R | 02 | - | - | | ALL PARTS - REVISED CONNECTORS 12084890 AND 12065861 | 285825 | MM | MM | WTM |

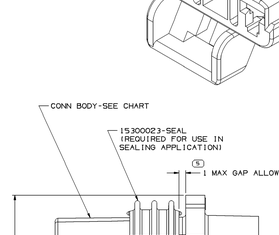


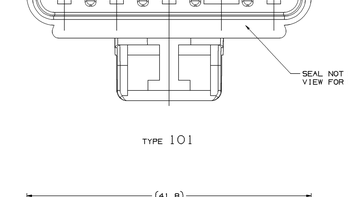
SEALING RIBS MUST BE FREE OF DEFECTS

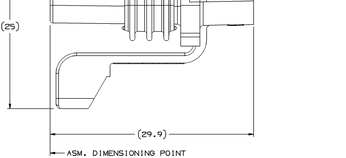





TYPE 101




TYPE 102
SAME AS TYPE 101 EXCEPT AS SHOWN

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. REFERENCE MATING COMPONENTS OR EQUIVALENT:
   FISHER-GUIDE TAIL LAMP MODULE OR EQUIVALENT.
3. THIS PART ACCEPTS THE FOLLOWING COMPONENTS OR EQUIVALENT:
   USE FEMALE TERMINAL 12077412 OR EQUIVALENT.
   USE CABLE SEAL 12015323 OR EQUIVALENT.
   USE TERMINAL POSITION ASSURANCE 15324857 OR EQUIVALENT.
   USE CONNECTOR POSITION ASSURANCE 12020833 OR EQUIVALENT.
4. 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.
5. DESIGN WILL PASS SALT FOG AND IMMERSION TEST AFTER CONDITIONING AS SPECIFIED IN ESA-710 - WHEN MATED TO MATING PART OR EQUIVALENT

| PART NO | REV | TYPE | | | CONN PART NO. | COLOR |
|---|---|---|---|---|---|---|
| 12084891 | A2 | 102 | | - | 12084890 | MED GRAY |
| 12065862 | A2 | 101 | BLOCKED CAVITY | D | 12065861 | BLACK |

N/A = PROCESS SENSITIVE DIMENSION

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS, AND AS TOLERANCE LIMITS ARE ESTABLISHED.

| ANGULAR: MACH ± | BEND ± |
|---|---|
| .XX ± .02 | 2° |
| .XXX ± .005 | 1° |

UNLESS OTHERWISE SPECIFIED

| LINEAR | .XX | .XXX | .XXXX |
|---|---|---|---|
| MACH ± | .02 | .005 | .0005 |
| BEND ± | .05 | .010 | .0010 |

| DIMENSIONAL RANGE (MM) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| OVER | 0 | 6 | 30 | 100 | 150 | 200 | 250 | 300 |
| THRU | 6 | 30 | 100 | 150 | 200 | 250 | 300 | 600 |
| MACH ± | .05 | .10 | .15 | .20 | .25 | .30 | .35 | .40 |
| BEND ± | .10 | .15 | .20 | .25 | .30 | .35 | .40 | .45 |

UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

DELPHI

DELPHI PACKARD ELECTRIC SYSTEMS WARREN, OH

| APP | | DATE |
|---|---|---|
| APVD1 | JAY NEFF | 12MY88 |
| APVD2 | F. HESION | 14MY88 |
| APVD3 | J. SEAGLE | 18MY88 |
| APVD4 | A. WINYARD | 18MY88 |
| APVD5 | | |

ALL DIMENSIONS ARE IN MILLIMETERS

REFERENCE

SUBSTANCES OF CONCERN NOT RECYCLED CONTENT PER DELPHI (DPM50).

SEE DRAWING

DRAWING NAME: TAXI ASM CONN F M/P 280 SLD

DRAWING NUMBER: 12084898

| SIZE | SCALE | IMAGE SET | SHEET SET | TYPE | REV | EXP |
|---|---|---|---|---|---|---|
| A1x3 | 5:1 | 1 OF 1 | 1 OF 1 | R | 02 | - |

DRAWING NUMBER: 12084898

| SIZE | SCALE | IMAGE SET | SHEET SET | TYPE | REV | EXP |
|---|---|---|---|---|---|---|
| A1x3 | 5:1 | 2 OF 1 | 1 OF 1 | R | 02 | - |

12084898

Date: 07-NOV-06 Time: 07:40