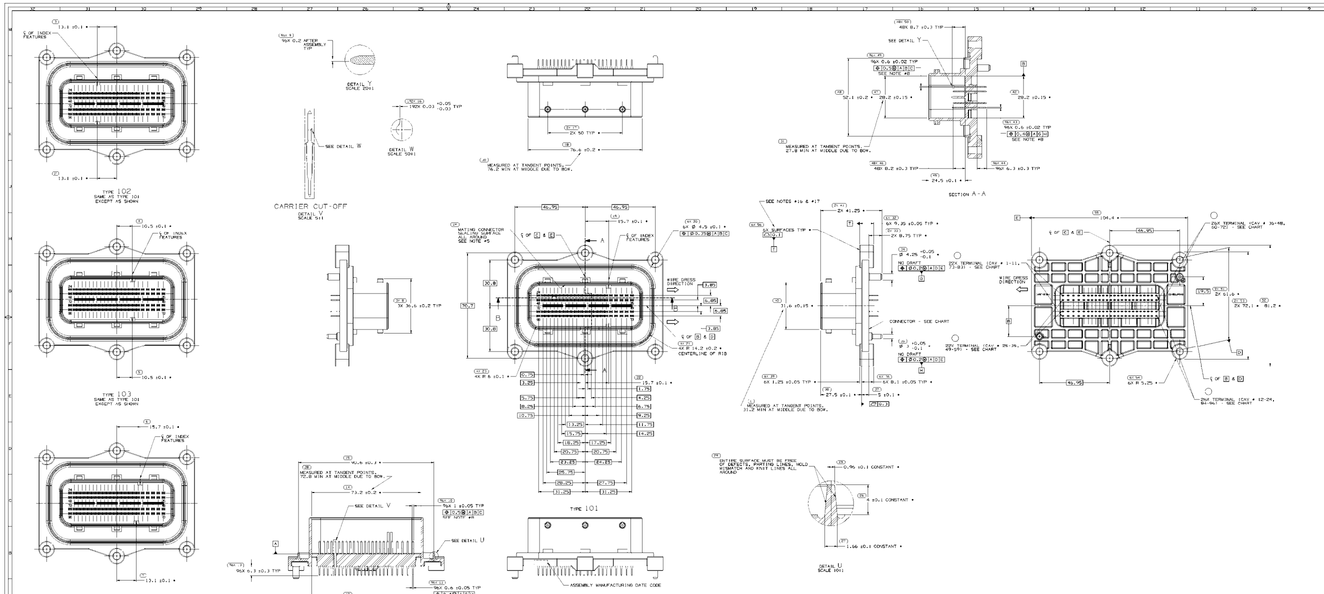
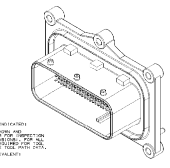



| SYMBOL DEFINITION | | |
|---|---|---|
| A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ( ) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING. | TOTAL NO OF INSPECTIONS REQUIRED | 1049 |
| | LAST NO. USED | 56 |

MISSING SYMBOLS

NO MISSING SYMBOL NUMBER

| DWG STATUS DATE | STG | REV | N/P | CHB | ZONE | REVISION HISTORY | AUTH | DR | APVD 1 | APVD 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 21JL10 | R | 01 | - | - | | ALL PARTS - RELEASED | 411402 | JEG | JAA | BDH |
| 12OC10 | R | 02 | - | - | | ALL PARTS - ADDED DATUMS G, H, T & NOTES, DIM #33 WAS 2X 7.95 AND DIM #41 WAS 2X 40.45 | 412219 | JTZ | JTZ | BDH |
| 08MR12 | R | 03 | - | - | | ALL PARTS - DRAWING NAME WAS ASM CONN 96 M MICRO NVT 1.2 SLD HEADER | 417378 | JEG | JEG | JRV |
| 04DE13 | R | 04 | - | - | | ALL PARTS - ADDED CAV-TERMINAL IN COLUMN (2 PLCS) & UPDATED CAV-TERMINAL FROM COLUMN (2 PLCS) AND LABELS (4 PLCS) | 424835 | IMF | JVM | JOP |



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:

   MATING CONN ASM - SEE CHART

3. THIS PART ACCEPTS THE FOLLOWING COMPONENTS OR EQUIVALENT:

   CAVITIES 1-96 TO ACCEPT - SEE CHART

4. ASSEMBLY TO BE CLEAN AND FREE OF ANY MANUFACTURING DEBRIS, OILS, LUBRICATANTS PROCESSING CHEMICALS OR RESIDUES. CLEANINESS SHALL BE SUCH THAT THE ADHESION AND CURE OF WACKER A95 RTV IS NOT ADVERSELY AFFECTED.
   THE COMPONENT SHALL EXHIBIT LESS THAN 10% DISTRIBUTED ADHESIVE FAILURE AFTER THE ADHESIVE IS APPLIED AND CURED ONTO THE SEALING TRACK.
   ADHESIVE FAILURE IS DEFINED AS WHEN ATTACHMENT OF THE ADHESIVE FAILS AT THE BOND SURFACE DURING A DESTRUCTIVE PEEL TEST. TEST METHOD TO BE APPROVED BY DELPHI.

5. SEALING SURFACES TO BE FREE OF DEFECTS, PARTING LINES MOLD MISMATCH AND KNIT LINES.

6. FOR SOLDERABILITY REQUIREMENTS REFER TO ES-D-1518.

7. ALL NON ASSEMBLY DIMENSIONS MARKED WITH "*" TO BE REFERENCED BACK TO PART DRAWING OF INDIVIDUAL PARTS.

8. MATING INTERFACE AND PRINTED CIRCUIT BOARD INTERFACE ARE VERIFIED BY APPROVED GAGES FOR FUNCTIONAL FIT PER CONTROL PLAN.

9. THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM, MINOR IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR BLEMISHES, GATE VESTIGE, AND SOFT FLASH THAT DO NOT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER DPNP-4.7-CS-01.

10. FLASH SHALL NOT EXCEED 0.3 MM AT PARTING LINE OR 0.15 MM ANYWHERE ELSE ON THE CONNECTOR. EJECTOR PIN MARKS SHALL BE 0.13 MM ABOVE FLUSH TO 0.4 MM BELOW FLUSH.

11. NUMBERS MOLDED INTO CONNECTOR TO IDENTIFY THE PIN NUMBER IN THE HEADER WHEN VIEWED FROM THE MATING HARNESS CONNECTOR END.

12. CONNECTOR TO BE MARKED WITH MANUFACTURER NAME, YEAR AND JULIAN DATE CODE, MOLD CAVITY NUMBER, AND MATERIAL DESCRIPTION.

13. BURRS ON SOLDER TAIL AREA OF PINS SHALL NOT EXCEED A MAXIMUM OF 0.07 MM.

14. MAXIMUM CURRENT CAPACITY IS 10 AMPS FOR THE 1 MM WIDE SIGNAL BLADES.

15. REFERANCE PCB INFORMATION: 1.397 MM DIA. PTH'S AND 1.2 MM BOARD THICKNESS

16. TO ESTABLISH DATUM T, FIRST MEASURE THE HIGHEST POINT ON EACH OF THE SIX SURFACES. USE THE THREE HIGHEST POINTS MEASURED TO FORM DATUM T. ONE OF THE THREE POINTS MEASURED MUST BE ON THE OPPOSITE SIDE OF THE PART FROM THE OTHER TWO POINTS.

17. DATUM T AND DIMENSION #32 ARE VERIFIED FOR FUNCTIONAL FIT PER THE CONTROL PLAN.

18. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.

PACKAGING NOTES

1. ASSEMBLIES TO BE PACKAGED INTO PLASTIC TRAYS.
2. ALL TRAYS AND PARTS PLACED IN A PLASTIC LINED CORRUGATED CARDBOARD BOX.

ASM NOTES

1. BLADE PRESENCE TO BE VERIFIED ON EACH ASSEMBLY.
2. ASSEMBLY MANUFACTURING DATE CODE TO BE APPLIED AS SHOWN CONSISTING OF TWO DIGIT YEAR FOLLOWED BY THREE DIGIT JULIAN DATE CODE.

MATERIAL NOTES

1. BLADE MATERIAL AND PLATING:

   BASE MATERIAL FOR ALL BLADES - M1546 C21000 (CuZnS) EXTRA SPRING.

   PLATING FOR ALL BLADES:
   UNDERPLATE - NICKEL 50 MICRO INCHES MINIMUM.
   TOP PLATE MATING END - SILVER 100 MICRO INCHES MINIMUM.
   TOP PLATE PCB END - LEAD FREE REFLOW TIN 80 MICRO INCHES MINIMUM AVERAGE.

2. HEADER CONNECTOR MATERIAL:

   M5931 PBT GF30 MS IM (CRASTIN HR5330HF).

| PART NO | REV | N/P | TYPE | MODULE TYPE | CONNECTOR TYPE | INDEX CODE | COLOR | DIM B | CONNECTOR P/N | TERMINAL (CAV # 36-48, 60-72) | TERMINAL (CAV # 12-24, 84-96) | TERMINAL (CAV # 25-35, 49-59) | TERMINAL (CAV # 1-11, 73-83) | MATING CONNECTOR ASSEMBLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13784965 | 03 | - | 104 | CHRYSLER MODULE B | OEM J-2 | CODE G | GREEN | 15.5 | 13784960 | 13836644 | 13836645 | 33128111 | 33128112 | 13839474 |
| 13784964 | 03 | - | 103 | CHRYSLER MODULE B | ENGINE J-1 | CODE C | BLUE | 20.5 | 13784959 | 13836644 | 13836645 | 33128111 | 33128112 | 13839472 |
| 13784963 | 03 | - | 102 | CUMMINS MODULE A | OEM J-2 | CODE E | BROWN | 15.5 | 13784958 | 13836644 | 13836645 | 33128111 | 33128112 | 13839473 |
| 13784962 | 03 | - | 101 | CUMMINS MODULE A | ENGINE J-1 | CODE A | GRAY | 20.5 | 13784957 | 13836644 | 13836645 | 33128111 | 33128112 | 13839471 |

13 PROCESS SENSITIVE DIMENSION

DWG TYPE: PART DRAWING

DRAFT CODE: D

UNLESS OTHERWISE SPECIFIED

ALL DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

DELPHI

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE

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| APVD | NAME | DATE |
|---|---|---|
| APVD1 | JAVIER ESQUIVEL | 21JL10 |
| APVD2 | J.S. ALVARADO | 21JL10 |
| APVD3 | BRIAN D. HAMILL | 21JL10 |

MATERIAL: SEE CHART

DRAWING NAME: TAXI ASM CONN 96 M OCS 1.2 SLD HEADER

DRAWING NUMBER: 13784966

| SIZE | SCALE | FRAME NO | SHEET NO | STG | REV | N/P |
|---|---|---|---|---|---|---|
| A1x4 | 2:1 | 1 OF 2 | 1 OF 1 | R | 04 | - |

13784966