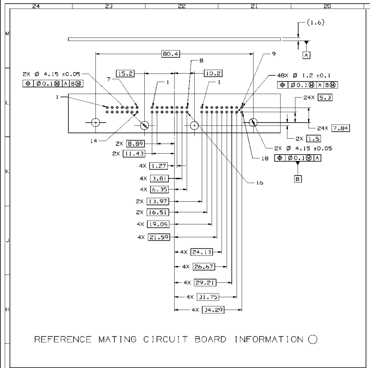
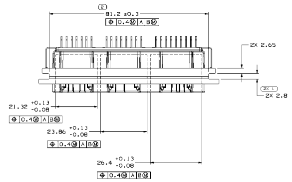
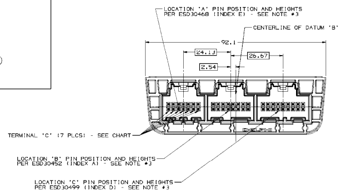
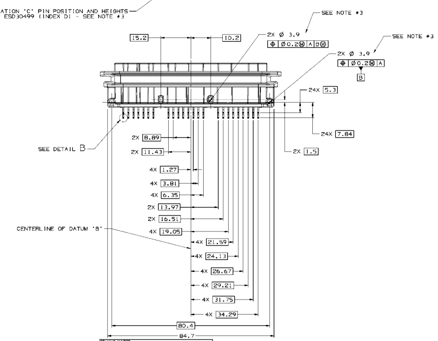
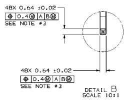
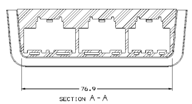


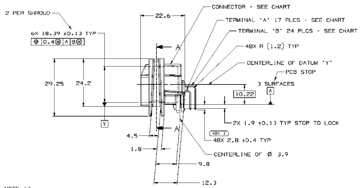


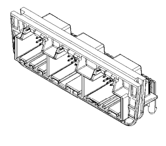


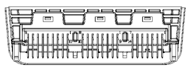












SYMBOL DEFINITION			MISSING SYMBOLS
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ( ) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED	51	NO MISSING SYMBOL NUMBER
	LAST NO. USED	3	

DWG STATUS DATE	STG	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
11MY09	R	01	-	-		PART DRAWING CREATED	407947	JTV	AUG	BDH
16OC09	R	01	AA	-		REVISED LABEL OF PCB WAS MATING CIRCUIT BOARD	409242	FKV	FKV	BDH

QUALITY CUSTOMER INTERFACE (QCI)

DIMENSIONS LISTED BELOW (BY INSPECTION SYMBOL NUMBER) MUST BE INCLUDED IN THE PROCESS CONTROL PLAN FOR THIS PART

INSPECTION SYMBOL	ZONE
1	15K
2	17L

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:

   CONNECTOR LOCATION "A' 15491263 (YAZAKI 7283-9068-90) OR DELPHI PE102043
   CONNECTOR LOCATION 'B' 15491285 (YAZAKI 7283-9076-30) OR DELPHI 15486792
   CONNECTOR LOCATION 'C' 13548561 (YAZAKI 7283-4548-60) OR DELPHI PE166832
   CUSTOMER PART HOUSING & CIRCUIT BOARD

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

4. TERMINAL TYPES 'A' AND 'B' HAVE TIN PLATED CONNECTOR-SIDE PIN TIPS. TERMINAL TYPE 'C' HAS GOLD PLATED CONNECTOR-SIDE PIN TIPS. ONLY TIN PLATED FEMALE TERMINALS SHOULD BE USED WHEN MATING TO TIN PLATED MALE PINS. ONLY FEMALE TERMINALS WITH GOLD PLATING IN THE INTERFACE SHOULD BE USED WHEN MATING TO GOLD PLATED MALE PINS.

5. THE FOLLOWING REQUIREMENTS APPLY TO THE CONNECTOR:
   - MAXIMUM FLASH AT GATE LOCATION NOT TO EXCEED 0.25 MM.
   - SURFACE MISMATCH ACROSS PARTING LINE NOT TO EXCEED 0.13 MM.
   - MATERIAL TO BE AMODEL AS-4133 33% GLASS-FILLED OR EQUIVALENT.

6. PARTS MUST BE FREE OF DUST, DIRT, CARDBOARD FIBERS AND LOOSE METAL SLIVERS.

7. PARTS MUST BE FREE OF OILS, LUBRICANTS, PROCESSING CHEMICALS, AND RESIDUES.

8. PARTS MUST BE PACKAGED IN TRAYS, ENCLOSED IN CLEAN POLYETHYLENE BAGS.

9. THE CIRCUIT BOARD END OF THE TERMINALS UP TO DATUM "A" MUST MEET THE SOLDERABILITY REQUIREMENT OF ESO-1518.

10. PARTS MUST CONFORM TO DELPHI SPECIFICATIONS:

    C-9024: QUALIFICATION OF LEAD FREE COMPONENT PLATING FINISH MATERIALS

    C-9012 CONDITION N: LEAD FREE SOLDER HIGH TEMP WAVE SOLDERING

11. 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.

28115974	13765443	13601514	13601515	13765444
PART NO	CONNECTOR	TERMINAL TYPE A	TERMINAL TYPE B	TERMINAL TYPE C

DWG TYPE: PART DRAWING

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

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

DELPHI

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
WARREN, OH

		DATE
DR		
APVD1	JOSE LUIS TAPIA	11MY09
APVD2	A. UGALDE	11MY09
APVD3	BRIAN D. HAMILL	12MY09
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL: SEE DRAWING

DRAWING NAME: ASM CONN 48 M MICRO 64 HEADER

DRAWING NUMBER: 28115974

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1x3	2:1	1 OF 2	1 OF 1	R	01	AA