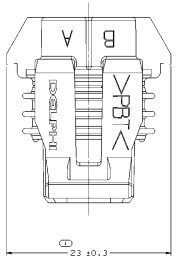
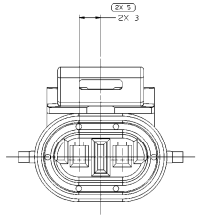
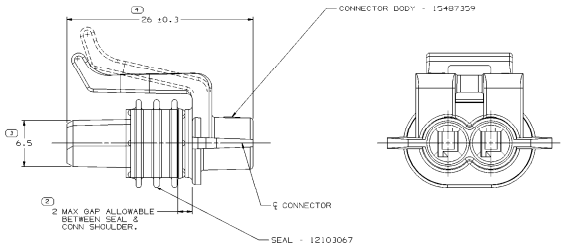
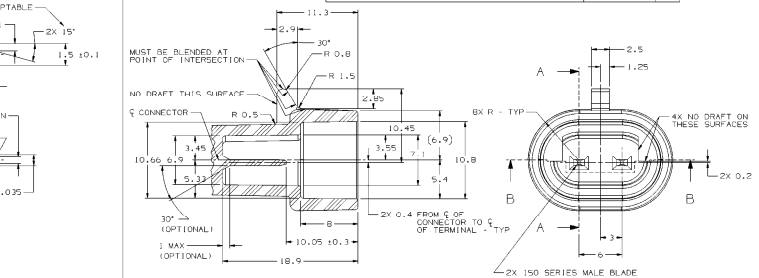
SYMBOL DEFINITION		MISSING SYMBOLS
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ( ) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED: 6	NO MISSING SYMBOL NUMBER
	LAST NO. USED: 5	

DWG STATUS					ZONE	REVISION HISTORY	AUTH	DR	APVD	APVD
	DATE	STR	REV	M/P	CHG				1	2
0	MR04	R	01	-	-	NO MISSING SYMBOL NUMBER				
1	90004	R	01	AA	-	WAS PE123979 AND RELEASED	252295	ADK	ADK	CF
						DRAWING NAME WAS "ASM CONN 2 F M/P 150 BLK"	2N0298	TLD	TLD	CF









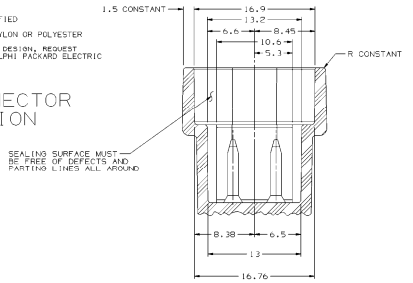
NOTE- TERMINALS ARE IDENTICAL.

MATERIAL- RECOMMENDED MATERIAL IS P-1546 (CDA 2101 - EXTRA SPRING TEMPER - TIN PLATED BRASS.
PLATING THICKNESS: 0.0025 - 0.0076 MM
TENSILE STRENGTH: 430 - 480 MPA
(MATERIAL SHOULD HAVE AN ELECTRICAL CONDUCTIVITY ≥ 20% IACS AT 68° F. USE OF MATERIAL WITH CONDUCTIVITY < 20% IACS SHOULD BE APPROVED BY DELPHI PACKARD ELECTRIC.)

MATING TERMINAL INFORMATION

NOTES
1. ALL RADII 0.4, UNLESS OTHERWISE SPECIFIED
2. RECOMMENDED MATERIAL - GLASS FILLED NYLON OR POLYESTER
3. WHEN USING THIS INFORMATION FOR A NEW DESIGN, REQUEST THE LATEST COPY OF THIS PRINT FROM DELPHI PACKARD ELECTRIC

MATING CONNECTOR INFORMATION



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. MATING COMPONENTS OR EQUIVALENT:
   CAVITIES TO ACCEPT TERMINAL - 12048074
   CABLE SEAL - 12048086
   SECONDARY LOCK - 15487369
3. THIS CONNECTOR IS TO MATE WITH KNOCK SENSOR OR EQUIVALENT.
4. MAXIMUM CABLE DIAMETER - 2.8 MM
5. 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.
6. SEALING CODE 3 - DESIGN WILL PASS SALT FOG AND IMMERSION TEST AFTER CONDITIONING AS SPECIFIED IN ESA-644 (WEATHER-PACK), ESA-710 (METRI-PACK), ESA-650 (UNDERHOOD MICRO-PACK), C-4006 (WORLD CONNECTOR), ETC WHEN MATED TO MATING PART OR EQUIVALENT

NAME TYPE	PART DRAWING
STYLE	
VOLUME (CUFT)	DATA CODE: D

UNLESS OTHERWISE SPECIFIED
THIS DOCUMENT IS IN ACCORDANCE WITH ANSI Y14.5M-1994
THIS DRAWING IS THE PROPRIETARY PROPERTY OF DELPHI PACKARD ELECTRIC SYSTEMS AND IS NOT TO BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION OF DELPHI. ANY USE WHICH IS NOT EXPRESSLY AUTHORIZED IS WITHOUT REFERENCE.

ALL DIMENSIONS ARE IN MILLIMETERS

4 PROCESS SENSITIVE DIMENSION

REFERENCE

DIMENSIONS ARE IN MILLIMETERS AND ARE INCLUSIVE OF PLATING UNLESS OTHERWISE SPECIFIED

DIMENSIONAL RANGE (MM)										CHART ID
FROM	0.5	3.15	6.31	10.01	31.51	100.01	200.01	400.01	1000.01	1500.01
TO	3.15	6.30	10.00	31.50	100.00	200.00	400.00	1000.00	1500.00	2000.00
ALLOWANCE (MM)										
	±0.15	±0.20	±0.25	±0.30	±0.40	±0.50	±0.75	±1.00	±1.25	±1.50

MACHINE TO DRAWING NO.

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

DELPHI
DELPHI PACKARD ELECTRIC SYSTEMS
WARREN, OH

DR		DATE
APVD1	J. RAINEY	24SEP03
APVD2	J. RAINEY	24SEP03
APVD3	CAROL FITCH	25SEP03
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10PM008

MATERIAL
SEE NOTES

DRAWING NAME
ASM CONN 2 F M/P 150

DRAWING NUMBER
15487358

SIZE	SCALE	FRAME NO	SHEET NO	STR	REV	M/P
A0	5:1	1 OF 1	1 OF 5	R	01	AA