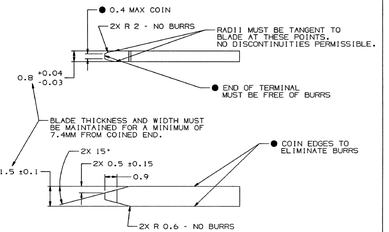


● THESE DIMENSIONS ARE CRITICAL TO THE MECHANICAL AND ELECTRICAL PERFORMANCE OF THE CONNECTION SYSTEM.

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

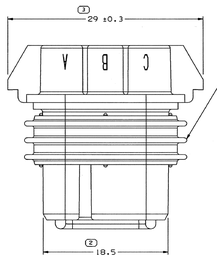
ELECTRICAL CONDUCTIVITY - ≥28% IACS AT 20 °C. USE OF A MATERIAL WITH CONDUCTIVITY <28% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGINEERING.

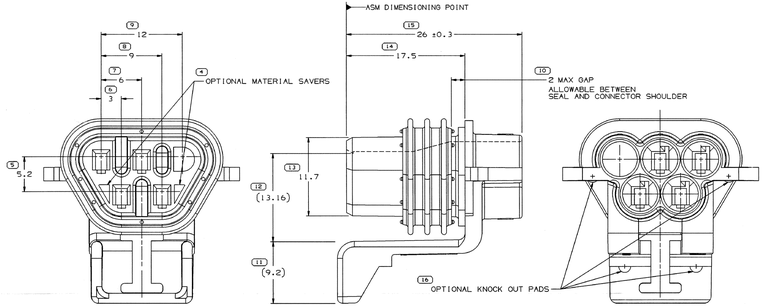
TENSILE STRENGTH - 430 - 480 MPa

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.

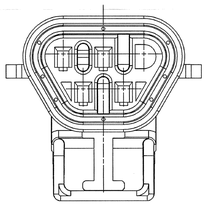
PROCESSING LUBRICANT - ANY PROCESSING LUBRICANT REMAINING ON TERMINALS MUST NOT VARNISH OR DEGRADE THE ELECTRICAL PERFORMANCE OF THE CONNECTION UP TO A MAXIMUM TEMPERATURE OF 150°C. PROCESSING LUBRICANTS MUST BE APPROVED BY DELPHI PACKARD ELECTRIC SYSTEMS ENGINEERING.

MATING BLADE INFORMATION

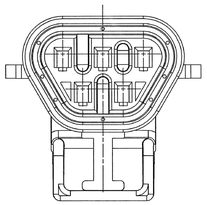




TYPE 101



TYPE 102
SAME AS TYPE 101
EXCEPT AS SHOWN



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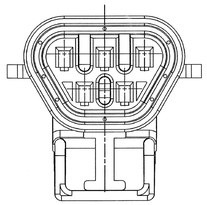
EXCEPT AS SHOWN



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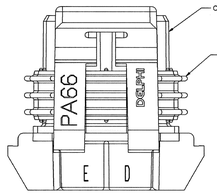
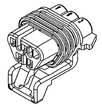
EXCEPT AS SHOWN





VIEW SCALE DOES NOT REFLECT ACTUAL PART SIZE

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. 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 FOREIGN MATTER.

3. 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

4. THIS PART ACCEPTS THE FOLLOWING COMPONENTS OR EQUIVALENT:

   CAVITIES TO ACCEPT 12048074 TERMINAL OR EQUIVALENT
   CAVITIES TO ACCEPT 12048086 CABLE SEAL OR EQUIVALENT
   SECONDARY TERMINAL LOCK 12092844
   T-LOCK (CPA) 12020833

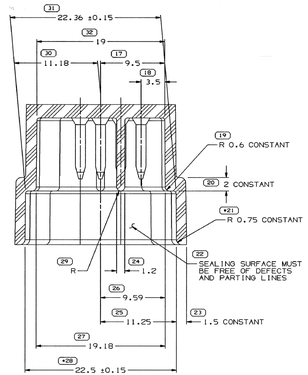
5. MAXIMUM CABLE DIAMETER 2.8 MM.

12146047	A1	-		C	101	12146044 NYLON 66 BLACK	12092843	12092839 30% G.F. POLYESTER BLACK	
12146046	A1	-		C	102	12146043 NYLON 66 MED. GRAY	12092843	12092840 30% G.F. POLYESTER MED. GRAY	
12146045	A1	-		NONE	104	12146042 NYLON 66 NAT	12092843	12103974 30% G.F. POLYESTER NAT	
12124032	B	-	OBSOLETE	NONE	103	12103967 NYLON 6 BLUE	12092843	12103919 30% G.F. POLYESTER DK BLUE	12146045
12124031	B	-	OBSOLETE	NONE	104	12103973 NYLON 6 NAT	12092843	12103974 30% G.F. POLYESTER NAT	12146045
12092842	C	-	OBSOLETE	C	102	12092838 NYLON 6 MED GRAY	12092843	12092840 30% G.F. POLYESTER MED GRAY	12146046
12092841	C	-	OBSOLETE	C	101	12092837 NYLON 6 BLACK	12092843	12092839 30% G.F. POLYESTER BLACK	12146047
PART NO	REV	N/P	STATUS	CAVITY BLOCKED	TYPE	CONNECTOR	SEAL	TYPICAL MATING CONNECTOR	REPLACEMENT P/N

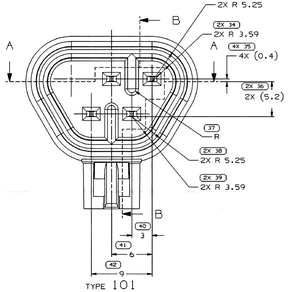
CRM

AZ

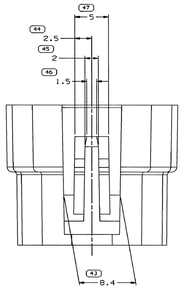
DRAWING NUMBER 12092848 | SIZE A1x3 | SCALE 5:1 | SHEET NO 2 OF 2 | FRAME NO I R 01 | REV - | N/P -



SECTION A-A



TYPE 101



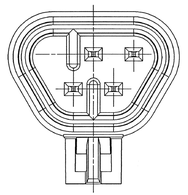
MATING CONNECTOR INFORMATION

DIMENSION NUMBER	TOOL BUILD TOLERANCE
78	±0.24
72	±0.12
65	±0.12
63	±0.12
29	±0.12
21	±0.12

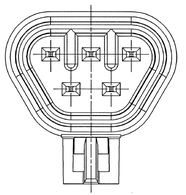
SYMBOL DEFINITION		MISSING SYMBOLS
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ☐ DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED: 89	NO MISSING SYMBOL NUMBER
	LAST NO. USED: 80	

DRD STATUS				ZONE	REVISION HISTORY	AUTH	DR	APVD	APVD
DATE	STS	REV	N/P	CHG					
17JN05	R	01	-	-	CLEARED REVISION COLUMN, REDRAWN TO PD AND UPDATED PDM ATTRIBUTES	269025	ECS	AUS	BOO

Temporary Production Print
C/N 270609
Approval Eric Tracey Date 7/27/05
Approval [signature] Date 7/27/05



TYPE 102
SAME AS TYPE 101
EXCEPT AS SHOWN



TYPE 104
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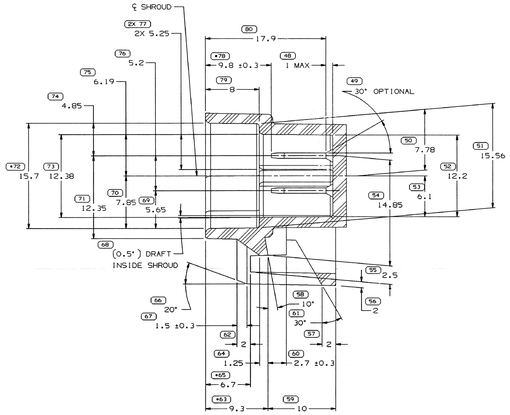
EXCEPT AS SHOWN



NOTES

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   ALL RADII 0.4
   DRAFT IS 1° MAX ON ALL OUTSIDE SURFACES
   TERMINALS ARE IDENTICAL
   INDEX RIBS ARE IDENTICAL

2. WHEN USING THIS INFORMATION FOR A NEW DESIGN, REQUEST THE LATEST COPY OF THIS PRINT FROM PACKARD ELECTRIC.

RECOMMENDED MATERIAL: GLASS REINFORCED NYLON OR POLYESTER.

DWG TYPE: PART DRAWING
STYLE:
VOLUME (CM³):
SYSTEM CODE: D

UNLESS OTHERWISE SPECIFIED THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 TOLERANCING PER ISO 8015. DIMENSIONS IN INCHES. TOLERANCES ON DECIMALS: TWO PLACE ±.01, THREE PLACE ±.005. FEATURES MAY BE HIGHER DEPARTLY REVEALED BY DATUM REFERENCE.

ALL DIMENSIONS ARE IN MILLIMETERS

	DATE
DR: DAVE STEELE	02AUG9
APVD: R.H. PARKHURST	04AUG9
APVD2 R.H. PARKHURST	04APR0
APVD3 R.E. DAUM	04APR0
APVD4	
APVD5	

SUBSTANCES OF CONCERN AND RECYCLED CONTENT: NOT DELPHI (05FP90)

MATERIAL: SEE DRAWING

DRAWING NAME: TAXI ASM CONN 5 F W/P 150 SLD

DRAWING NUMBER: 12092848

SIZE A1x3 | SCALE 5:1 | SHEET NO 1 OF 2 | FRAME NO I R 01 | REV - | N/P -

(15) PROCESS SENSITIVE DIMENSION
DIMENSIONS ENCLOSED IN ( ) ARE FOR REFERENCE ONLY AND DO NOT HAVE TOLERANCE

NUMBER OF CAVITIES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
DIMENSION (METRIC)	(20)	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800
DIMENSION (INCH)	(.80)	1.60	2.40	3.20	4.00	4.80	5.60	6.40	7.20	8.00	8.80	9.60	10.40	11.20	12.00	12.80	13.60	14.40	15.20	16.00	16.80	17.60	18.40	19.20	20.00	20.80	21.60	22.40	23.20	24.00	24.80	25.60	26.40	27.20	28.00	28.80	29.60	30.40	31.20	32.00

THIRD ANGLE PROJECTION | DO NOT SCALE | USE MATH DATA

CONFIDENTIAL

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