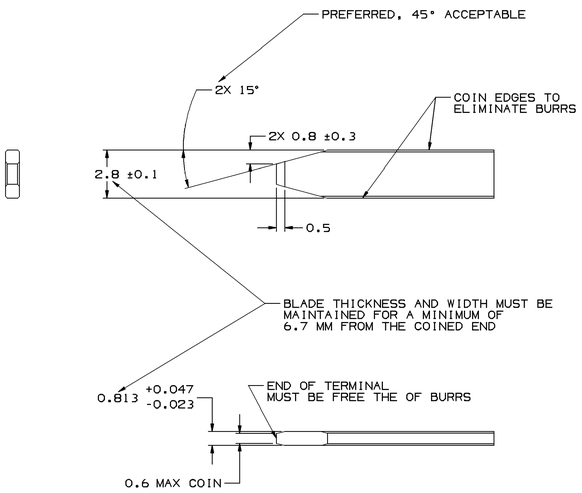


MATERIAL SPECIFICATIONS

RECOMMENDED

BASE METAL - CDA-210, GILDING, EXTRA SPRING TEMPER
PLATING - 0.0050 ±0.0025 MM THICK TIN

MINIMUMS

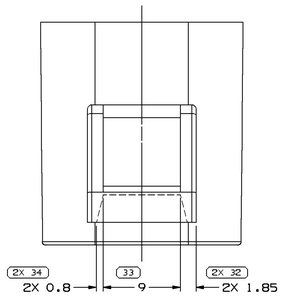
ELECTRICAL CONDUCTIVITY - ≥ 20% IACS AT 20°C. USE OF A MATERIAL WITH CONDUCTIVITY < 20% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGENEERING

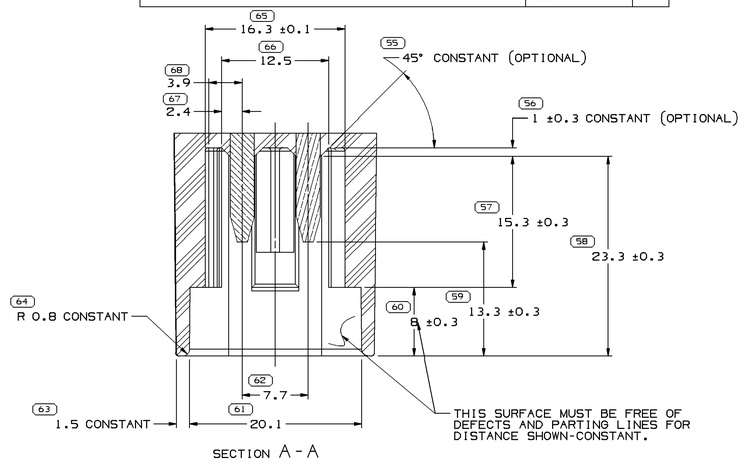
TENSILE STRENGTH - 407 MPa

PLATING - FOR LOW ENERGY (≤ 5v) AND NON-PASSENGER COMPARTMENT POWER CIRCUITS, 0.0050 ±0.0025 MM THICK TIN. FOR MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.0050 ±0.0025 MM THICK IS REQUIRED.

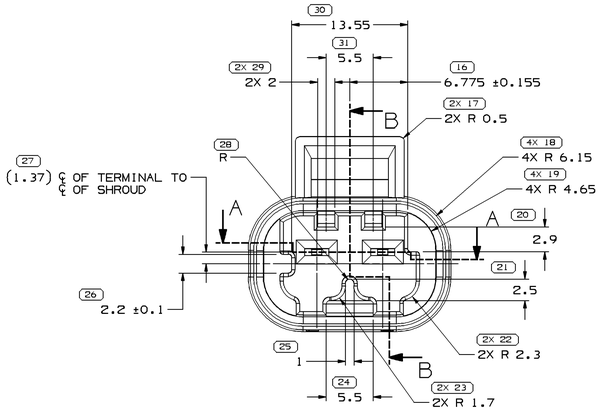
MATING BLADE INFORMATION

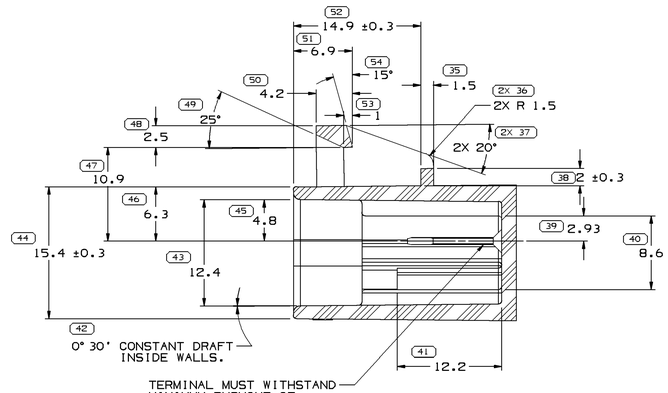
SCALE 8:1



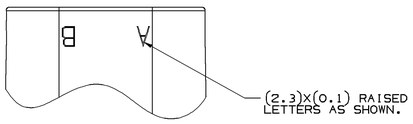


SECTION A - A





SECTION B - B



NOTES

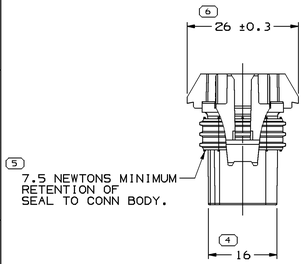
1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:

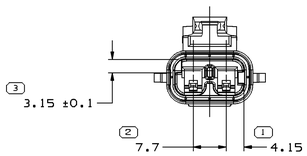
   DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.
   ALL RADII 0.4
   DRAFT IS 1° MAX ON ALL OUTSIDE SURFACES.

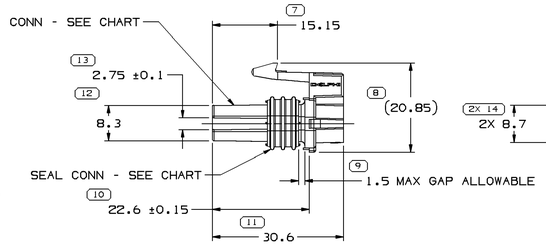
2. RECOMMENDED MATERIAL - GLASS FILLED POLYESTER OR NYLON 66.
3. USE TAXI 12084172 FOR INLINE CONNECTOR INFORMATION.

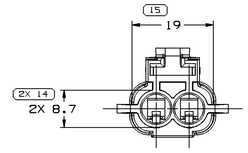
MATING INSERT MOLDED/"PANEL" CONNECTOR INFORMATION

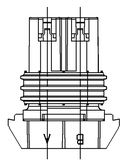
SCALE 4:1
(INSPECTION SYMBOLS SHOWN IN THESE VIEWS ARE FOR REFERENCE ONLY)











NOTES

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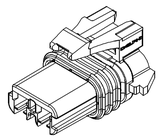
2. SEALING CODE 3 - DESIGN WILL PASS SALT FOG AND IMMERSION TEST AFTER CONDITIONING AS SPECIFIED IN ESA-644 (WEATHER-PACK),ESA-710 (METRI-PACK), ESA-650 (UNDERHOOD MICRO-PACK), C-4006 (WORLD CONNECTOR), ETC WHEN MATED TO MATING PART OR EQUIVALENT

3. 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.

4. FOR APPLICATION DATA SEE THE APPLICATION DRAWING.

5. 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.



12129487	15300020	12129486
PART NO	SEAL CONN	CONNECTOR

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	83
	LAST NO. USED	68

MISSING SYMBOLS

NO MISSING SYMBOL NUMBER

DWG STATUS					ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
DATE	STG	REV	N/P	CHG						
05NO10	R	D1	-	-		CLEARED REVISION COLUMN AND REDRAWN	412406	MAB	JVM	FOO
07MR11	R	D2	-	-		UPDATED PDM ATTRIBUTES	413568	MAB	JVM	GEM

(N/A) PROCESS SENSITIVE DIMENSION

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED.

DIMENSIONAL RANGE (MM)					CHART E1				
FROM	> 0	> 20	> 30	> 70	> 100	> 150	> 200	> 250	> 300
TO	20	30	70	100	150	200	250	300	400
TOLERANCE UNLESS OTHERWISE SPECIFIED									
	±0.15	±0.2	±0.3	±0.4	±0.5	±0.6	±0.8	±1	±1.2

ANGULAR TOLERANCE ±2°

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

NX

DWG TYPE: PART DRAWING

STYLE

VOLUME (CU*)

DISTR CODE

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 DATED SEPARATELY REGARDLESS OF DATUM REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETERS

REFERENCE

DELPHI

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
WARREN, OH

	DATE
DR	
APVD1 J. COLDSNOW	19JL89
APVD2 J. M. DRAPCHO	01NO91
APVD3 T. E. GENT	01NO91
APVD4	
APVD5	

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 1094900I

MATERIAL: SEE DRAWING

DRAWING NAME: ASM CONN 2 F M/P 280 SLD

DRAWING NUMBER: 12129487

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A0	2:1	1 OF 1	1 OF 1	R	D2	-

Part: 12129487-CLCD1-SD1 Date: 11-Mar-11 Time: 08:28
Mastercopy