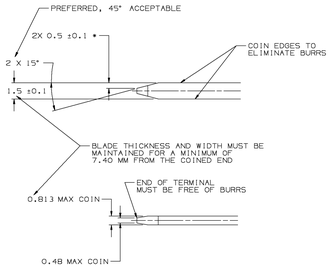
SYMBOL DEFINITION			MISSING SYMBOLS
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL (▭) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED	2	NO MISSING SYMBOL NUMBER
	LAST NO. USED	2	

DWG STATUS				ZONE	REVISION HISTORY	AUTH	DR	APVD	APVD
DATE	STS	REV	N/P	CHG				1	2
27JN01	R	B1	-	-	ADDED DIMENSIONS	211500	LEB	GEB	GMC



MATERIAL SPECIFICATIONS

RECOMMENDED
BASE METAL - CDA-210, GILDING, EXTRA SPRING TEMPER
PLATING - 0.005±0.0025 MM THICK TIN

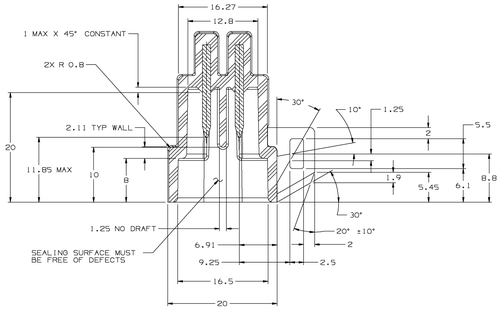
MINIMUMS
ELECTRICAL CONDUCTIVITY -> 20% IACS @ 20°C. USE OF A MATERIAL WITH CONDUCTIVITY < 20% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGINEERING.

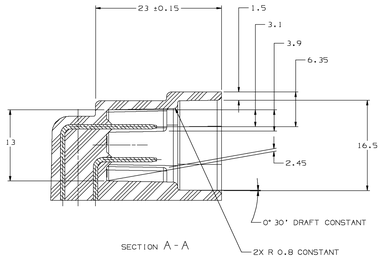
TENSILE STRENGTH - 407 MPa

PLATING -FOR LOW ENERGY (< 5v) AND NON-PASSENGER COMPARTMENT POWER CIRCUITS, 0.005±0.0025 MM THICK TIN. FOR MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.005±0.0025 MM THICK IS REQUIRED.

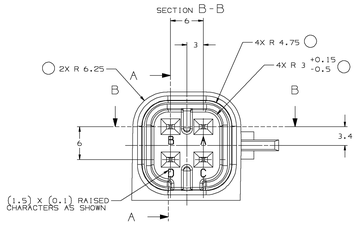
MATING BLADE INFORMATION

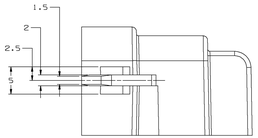
SCALE 8:1





SECTION A-A



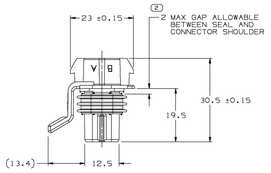


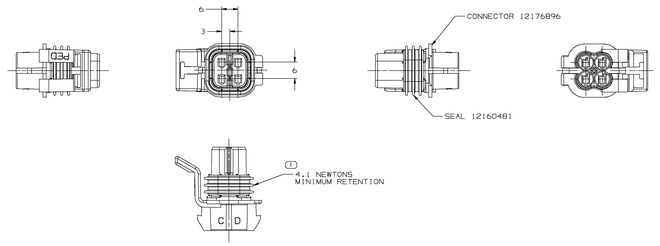
NOTES

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 - DELRIN 100 P.
3. WHEN USING THIS INFORMATION FOR A NEW DESIGN, REQUEST THE LATEST COPY OF THIS FROM PACKARD ELECTRIC.

MATING CONNECTOR INFORMATION

SCALE 4:1





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. 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. THIS PART IS NOT CONTROLLED FOR AUTOMATIC FEEDING.
4. MATING COMPONENTS OR EQUIVALENT:
   CONNECTOR 12176895
   TERMINAL 12048074
   SECONDARY TERMINAL POSITION LOCK (TPA) 12160480
   CABLE SEAL 12048086 (SEE DRAWING 12010295 FOR COMPATIBLE O.D. RANGE).
   CONNECTOR POSITION ASSURANCE LOCK (CPA) 12077979
5. CONNECTOR ENSAGE FORCE CODE.

DWG TYPE	PART DRAWING
STYLE	
VOLUME (CM³)	SYSTEM CGS
ROUTING	6900

UNLESS OTHERWISE SPECIFIED
THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE UK GLOBAL STANDARDIZED ASE. DIMENSIONS ARE IN MM. ALL ASE DIMENSIONS ARE FINISHED AND RELATED DATUMS APPLY. ALL A-DIMENSIONS ARE FINISHED AND RELATED DATUMS APPLY. ALL A-DIMENSIONS ARE FINISHED TO ENTER-LEVEL BY GEOMETRIC OR LOCATION TOLERANCES. DIMENSIONS MARKED "REF" ARE NOT CHECKED BY BASIC SEPARATELY. REGARDLESS OF ITEM NOTEBOOK.

APVD1	J. GONZALEZ 25NOV94
APVD2	D. BRANTINGHAM 25NOV94
APVD3	P. OLBRYCH 02NOV95
APVD4	
APVD5	
MATERIAL SEE DWG	SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI (DP4900)

DRAWING NAME: ASM CONN 4F M/P 150 SLD

DRAWING NUMBER: 12176897 — SIZE A1x3 | SCALE 2:1 | FRAME NO 1 OF 2 | SHEET NO 1 OF 1 | STS R | REV B1 | N/P -

PROCESS SENSITIVE DIMENSION

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE MEMORYING AND BE TOLERANCE (WITH MINIMUM ONLY)

R 0.1 MAX
R 0.2 MAX
SHARP CORNER TOLERANCE

DIMENSIONAL RANGE (MM)									
FROM	0	6	>10	>18	>30	>50	>120	>250	>400
TO	6	10	18	30	50	120	250	400	630
TOLERANCE UNLESS OTHERWISE SPECIFIED									
±0.15	±0.2	±0.3	±0.4	±0.5	±0.8	±1	±1.2		
ANGULAR TOLERANCE ±2°									

REFERENCE: 12160482

THIRD ANGLE PROJECTION

DO NOT SCALE — USE MATH DATA

DELPHI
DELPHI PACKARD ELECTRIC SYSTEMS
WARREN, OH

		DATE
DR	J. GONZALEZ	25NOV94
APVD1	D. BRANTINGHAM	25NOV94
APVD2	P. OLBRYCH	02NOV95
APVD3		
APVD4		
APVD5		

DRAWING NAME: ASM CONN 4F M/P 150 SLD

DRAWING NUMBER: 12176897 — SIZE A1x3 | SCALE 2:1 | FRAME NO 1 OF 2 | SHEET NO 1 OF 1 | STS R | REV B1 | N/P -

12176897

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