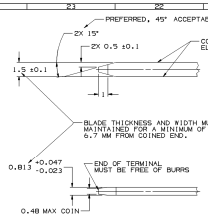


MATERIAL SPECIFICATIONS

RECOMMENDED

BASE METAL - CDA-210, EXTRA SPRING TEMPER

PLATING - 0.005±0.0025 MM THICK TIN

MINIMUMS

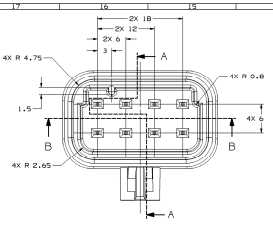
ELECTRICAL CONDUCTIVITY - ≥20% IACS AT 20°C. USE OF A MATERIAL WITH CONDUCTIVITY < 20% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGINEERING.

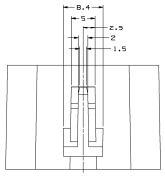
TENSILE STRENGTH - 407 MPa

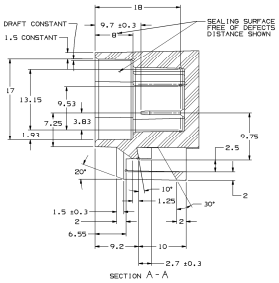
PLATING - FOR LOW ENERGY (≤5v) AND NON-PASSENGER COMPARTMENT POWER CIRCUITS, 0.0050±0.0025 MM THICK TIN. FOR MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.0050±0.0025 MM THICK IS REQUIRED.

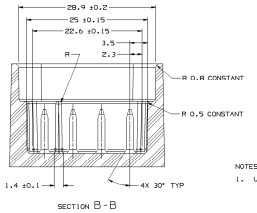
MATING BLADE INFORMATION

SCALE 8:1







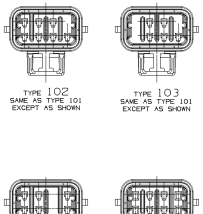


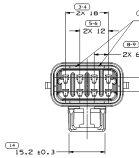
MATING PART INFORMATION

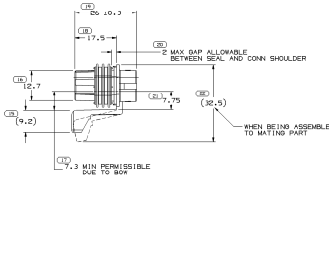
SCALE 4:1

SYMBOL DEFINITION		MISSING NUMBERS
A DIMENSION WITHOUT AN INSPECTION REPORT COST. THEY DO NOT REQUIRE TRACKING. IT MAY BE CONTROLLED ON AN INDIVIDUAL COMPONENT DRAWING	TOTAL NO. OF SYMBOLS ON DRAWING: 16	
	LAST NO. USED: 22	

DWG STATUS					REVISION HISTORY	AUTH	BY	APVD	APVD
DATE	STA	REL	INSP	DAB					
08FEB01	R	01	-	-	ALL ACTIVE PARTS - REDRAWN TO PD	207269	JLZ	PWP	BAC
13DEC05	R	02	-	-	1204093 - CONN BODY COLOR WAS NATURAL	273384	MDH	JHN	SST
10MAR07	R	03	-	-	1215447, 1205000, 1204938 & 1204797 - UPDATED PDM ATTRIBUTES; 1205094 - OBSOLETE	400766	RTY	JAH	JRC







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. RECOMMENDED MATERIAL: GLASS FILLED NYLON OR POLYESTER.

2. TERMINAL MUST WITHSTAND A MINIMUM PUSHOUT FORCE OF 89 N (20 LBS).

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

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 SEALED IN PLASTIC BAGS OR SHIPPING CONTAINERS. WHEN THE LINERS ARE TAMPERED, BAGS OR LINERS MUST BE SEALED TO AVOID ENTRY OF FOREIGN MATTER.

3. SEALING CODE 3 - DESIGN WILL PASS SALT FOG AND IMMERSION TEST AFTER CONDITIONING AS SPECIFIED IN EIA-364-1000.01 (ENVIRONMENTAL TEST METHODS), EIA-364 (UNDERHOOD CARD-PACK TEST METHODS WORLD CONNECTOR), ETC WHEN MATED TO MATING PART OR EQUIVALENT

4. THIS PART ACCEPTS THE FOLLOWING COMPONENTS OR EQUIVALENT:

   CAVITIES TO ACCEPT 12048074 TERMINAL
   CABLE SEAL 12048086
   CONNECTOR POSITION ASSURANCE LOCK 12020833
   TERMINAL POSITION ASSURANCE LOCK 12066304

5. SEE CABLE SEAL AND SECONDARY LOCK DRAWINGS FOR COMPATIBLE CABLE O.D. RANGE.

6. MINIMUM RETENTION OF PERIPHERAL SEAL TO CONNECTOR IS 4.1 N.

7. SILICONE T-76 ADHESIVE OR EQUIVALENT TO BE APPLIED TO THIS ASSEMBLY FOR THE PURPOSE OF MAINTAINING SEAL POSITION, AND INSURING THAT MINIMUM RETENTION VALUE OF SEAL TO CONNECTOR IS ACHIEVED. SEE GRAPHICS FOR PREFERRED LOCATIONS OF ADHESIVE APPLICATION. THE APPLICATION OF ADHESIVE IS DESIGNATED BY "●" IN THE TABLE.

OPTIONAL CONSTRUCTION

ALL TYPES

PART NO	REV	N/P	STATUS	TYPE	NO OF CAVITIES	CAVITIES BLOCKED	CONNECTOR BODY PART NO	CONNECTOR BODY COLOR	CONNECTOR SEAL PART NO	CONNECTOR SEAL COLOR	MATING PART	ADHV	NOTES	REPLACED BY
15324167	A	-	OBSOLETE	103	5	A,D,H	15324168	BLK	15324169	BRIGHT RED	15324170	-	1-B	-
12124647	B2	-		105	4	A,D,E,H	12124017	BRN	12047939	TAN	A,B,S, MODULE	-	1-B	
12124013	D	-	OBSOLETE	105	4	A,D,E,H	12124017	BRN	12047939	TAN	12047931, OR A,B,S, MODULE	●	1-10	12124647
12092494	B3	-	OBSOLETE	104	6	C,I	12092493	CRM	12047939	TAN	12047931, OR D.I.S. MODULE	-	1-B	
12052500	B6	-		103	5	A,D,H	12052499	GRA MD	12047939	TAN	12052480, OR D.I.S. MODULE	-	1-B	-
12020938	B6	-		102	7	B	12020937	GRA LT	12047939	TAN	12020934 OR D.I.S. MODULE	-	1-B	-
12047937	B6	-		101	8	NONE	12047936	BLK	12047939	TAN	12047931, OR D.I.S. MODULE	-	1-B	

DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED											
FROM	0.0	6.0	30.0	120.0	315.0	1000.0	2000.0	4000.0			
TO	6.0	30.0	120.0	315.0	1000.0	2000.0	4000.0	8000.0			
±DEG	0.5	0.25	0.125	0.083	0.042	0.021	0.010	0.005			

DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED											
FROM	0.0	6.0	30.0	120.0	315.0	1000.0	2000.0	4000.0			
TO	6.0	30.0	120.0	315.0	1000.0	2000.0	4000.0	8000.0			
±DEG	0.5	0.25	0.125	0.083	0.042	0.021	0.010	0.005			

● PRESS SENSITIVE SEALING
SURFACE VARIES, SEE GRAPHICS FOR PREFERRED LOCATION. SEALING STATUS NOT DEVELOPED

REVISIONS											
10	20	30	40	50	60	70	80	90	100	110	120
130	140	150	160	170	180	190	200	210	220	230	240
250	260	270	280	290	300	310	320	330	340	350	360

DRAWING STATUS			
DATE	STA	REL	INSP
08JUL04	R	01	T

DRAWING STATUS			
DATE	STA	REL	INSP
10MAR07	R	03	T

DRAWING STATUS			
DATE	STA	REL	INSP
13DEC05	R	02	T

DRAWING STATUS			
DATE	STA	REL	INSP
08FEB01	R	01	T

DRAWING STATUS			
DATE	STA	REL	INSP
12JUL01	R	00