

FIGURE 1. DIMENSIONS AND CONFIGURATIONS

NO. OF POSITIONS	A		B		C		D		E	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
14	.780	19.81	.600	15.24	.300	7.62	.400	10.16	.146 OR .185	3.71 OR 4.70
16	.880	22.35	.700	17.78	.300	7.62	.400	10.16		
24	1.280	32.51	1.100	27.94	.600	15.24	.700	17.78		
40	2.080	52.83	1.900	48.26	.600	15.24	.700	17.78		

TABLE 1. SIZES AND CHARACTERISTICS

DIMENSIONS ARE IN INCHES[METRIC] TOLERANCES ARE: DECIMALS .XX ±.010 [.3mm] ANGLES ± 2° .XXX ±.005 [.13mm] TOLERANCES ARE NON-CUMULATIVE	APPROVALS		DATE		CIRCUIT ASSEMBLY CORP. 18 THOMAS ST., IRVINE, CALIFORNIA 92718-2703	
	DRAWN A. JOCHEN		05-14-85			
	CHECKED J. McA		05-14-85			
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	A	ECR 204	05-10-85	J.A.		
	B	ECO 742	05-15-85	J.A.		
	C	ECO 1206				
SIZE		CODE IDENT NO.		DRAWING NO.		REV.
A		52072		100027		C
SCALE: NONE		DO NOT SCALE DRAWING		SHEET 1 OF 6		

I. MECHANICAL

A. INTERFACE:

ROUND CONDUCTOR, 28 AWG STRANDED, 30 AWG SOLID, FLAT CABLE, .050 CENTERS TO .100 X .300 INCH SPACED (14 & 16 POSITIONS) OR .100 X .600 INCH SPACED (24 & 40 POSITIONS) DUAL-IN-LINE SOCKETS.

CONNECTOR MAY ALSO BE SOLDERED DIRECTLY INTO PW BOARD.

B. MATERIALS:

BODY & COVER POLYESTER (TYPE PBT) 15% GLASS REINFORCED, FLAMMABILITY RATING UL 94V-0, COLOR: BLACK (IDP), GRAY (IDP2) REF. CA SPECIFICATION NO. 100010

CONTACT PHOSPHOR BRONZE, ALLOY 510, GRADE A, SPRING TEMPER PER FED. SPEC. QQ-B-750

CONTACT FINISH TYPE B = .000010 [.00025] GOLD OVERALL
TYPE T = .000250 [.00635] TIN OVERALL
UNDERPLATE = .000075 [.00190] NICKEL OVERALL

PLATING MEETS THE REQUIREMENTS OF CA SPECIFICATION NO. 100003 - QUALITY ASSURANCE PLATING SPECIFICATION CONTACTS & PINS.

C. PERFORMANCE:

CABLE PULL TEST-VERTICAL 1 LB. (454 GRAMS)/CONTACT MIN.

CABLE PULL TEST-HORIZONTAL 1 LB. (454 GRAMS)/CONTACT MIN.

(SEE FIGURE 2)

2. ENVIROMENTAL

TEMPERATURE RATING: -55°C TO +125°C

3. ELECTRICAL

A. RATING:

CURRENT 1 AMP.

VOLTAGE 300 VRMS



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SHEET 2 OF 6

B. PERFORMANCE:

DIELECTRIC WITHSTANDING VOLTAGE (AT SEA LEVEL)	500 VRMS
INSULATION RESISTANCE	>5000 MEGOHMS
CONTACT RESISTANCE (SEE FIG. 3)	< 5 MILLIOHMS TYP 25 MILLIOHMS MAX


NOTE: ELECTRICAL AND MECHANICAL PERFORMANCE REQUIREMENTS WILL BE MET AFTER 25 INSERTIONS AND EXTRACTIONS INTO A CA STANDARD DUAL-IN-LINE SOCKET.

4. UNDERWRITERS LABORATORIES RECOGNITION

CONNECTOR IS A RECOGNIZED COMPONENT UNDER PLUG RECEPTACLES AND PLUGS. FILE NUMBER E95981.

5. CANADIAN STANDARDS ASSOCIATION CERTIFICATION

CONNECTOR IS A CERTIFIED COMPONENT UNDER RECEPTACLES-ATTACHMENT PLUG TYPE AND PLUGS. FILE NUMBER LR65050.

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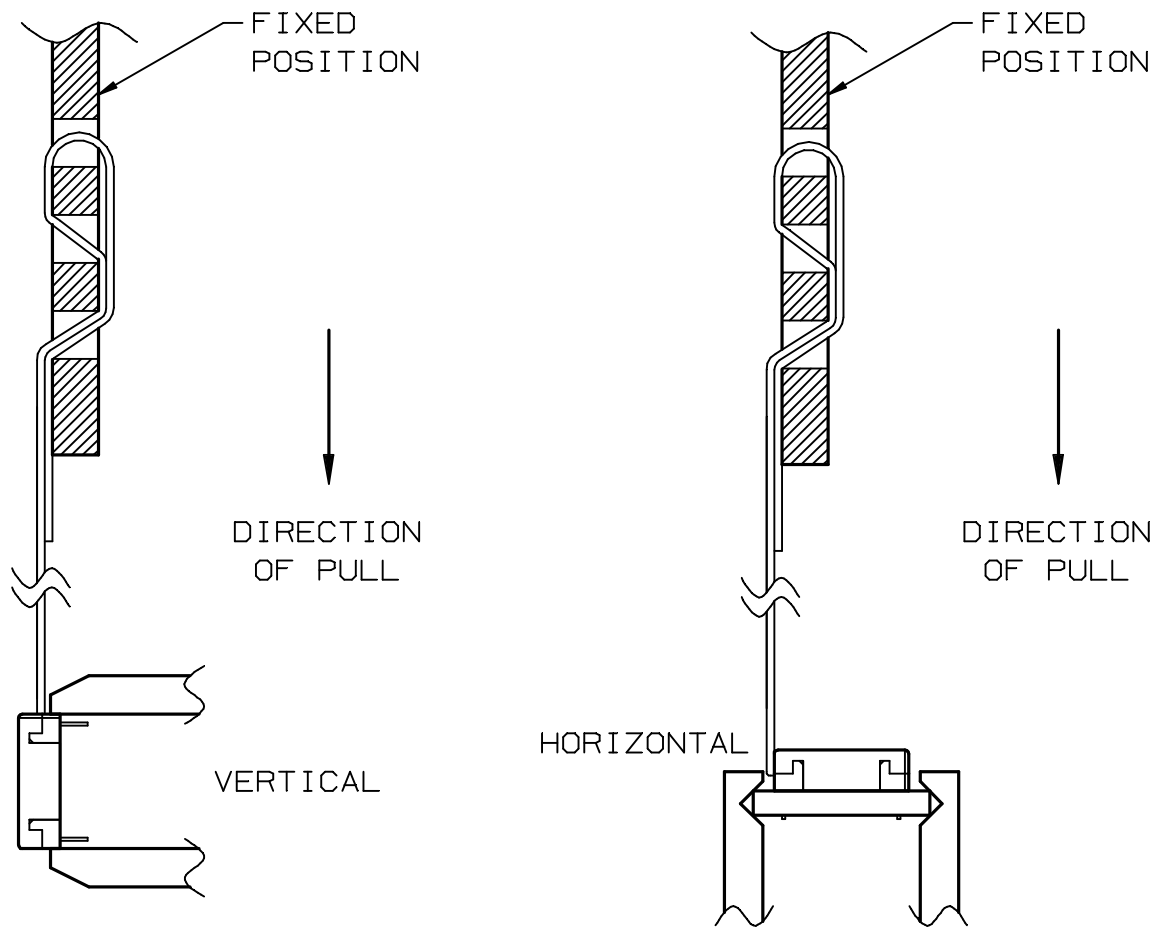



FIGURE 2. CABLE PULL TEST

NOTES:

1. RESULTS OBTAINED AT POINT OF CABLE SEPARATION FROM CONTACT.
2. RATE OF PULL APPROX. 1/8 INCH PER MINUTE.
3. TENSILE TESTER USED TO OBTAIN RESULTS WAS A W.C. DILLON MODEL LN.

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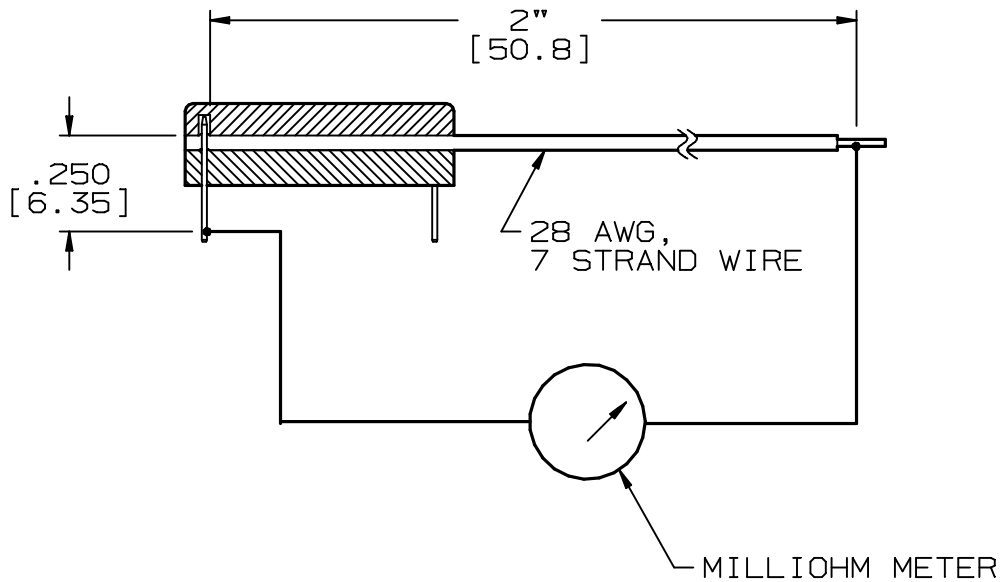


FIGURE 3. CONTACT RESISTANCE MEASUREMENT

NOTES:

1. RESULTS DO NOT INCLUDE THE RESISTANCE OF THE 2" LENGTH OF CABLE.
2. MILLIOHM METER USED TO OBTAIN RESULTS WAS A KEITHLEY INSTRUMENTS MODEL 503 (4 WIRE MEASUREMENT SYSTEM) ON THE 10 MILLIOHM SCALE.



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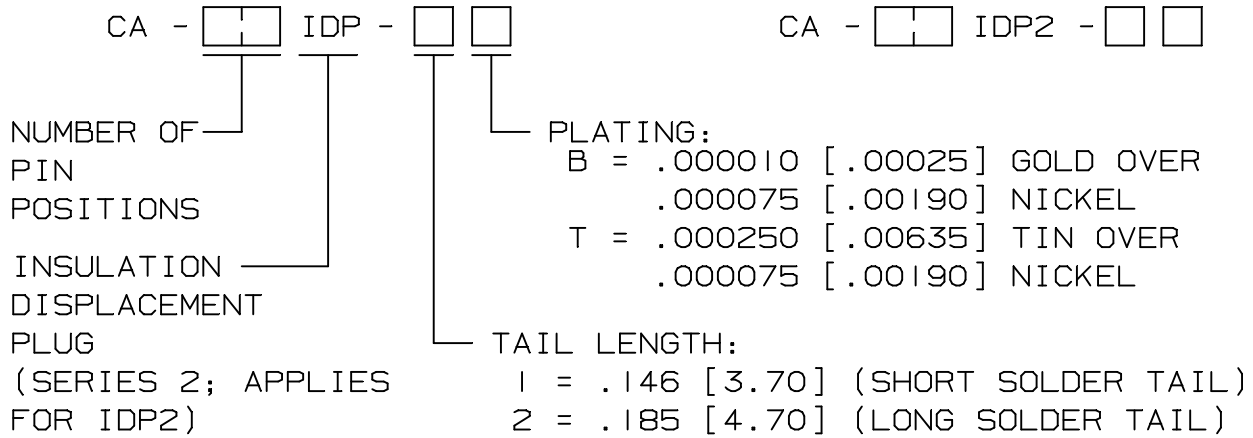
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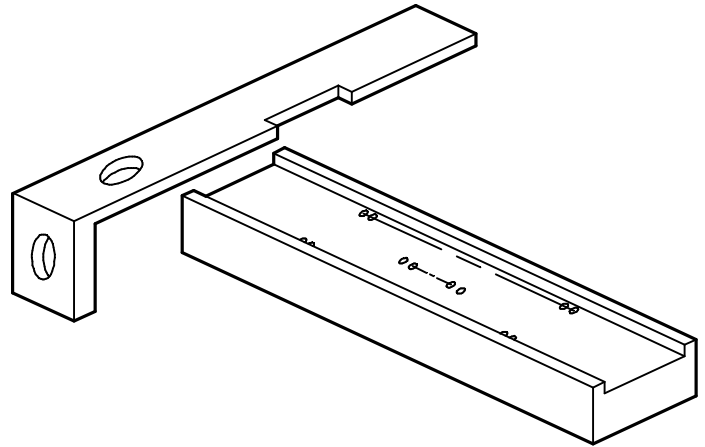
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6. ORDERING NOMENCLATURE



7. RECOMMEND ASSEMBLY TOOLING



IDP/IDP2 INSERT & CABLE GUIDE,
 COLOR: BLACK
 ORDER P/N CA-120017

CONNECTOR IS FIRMLY LOCATED IN
 A POSITION OVER THE CENTER OF
 THE PRESSING BAR.
 CABLE GUIDE WILL INSURE THAT
 THE CABLE EXISTS PERPENDICULAR
 TO THE CONNECTOR

ARBOR PRESS, SUPPLIED AS SHOWN
 ORDER P/N CA-120008



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