

APRIL 8, 1991

TEST REPORT # 044

CONTACT RESISTANCE

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*Sullins Electronics Corp.*

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## SCOPE

To perform contact resistance on the edge card connectors as manufactured by Sullins Electronics Corporation and submitted by the test sponsor, Sullins Electronics Sales Department.

## TEST SAMPLES AND PREPARATION

1. The following samples were submitted by the manufacturer, Sullins Electronics, for evaluation by Sullins Test Laboratories.

<u>Quantity</u>	<u>Part Number</u>	<u>Lot Code</u>
2	EZA12DKCB	DRSN

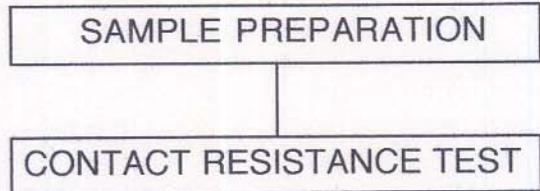
2. Unless otherwise indicated, all materials were certified by the manufacturer to be in accordance with the applicable product specification.
3. Applicable edge cards were obtained by Sullins Test Labs and prepared accordingly.
4. These edgeboards were manufactured in the form of standard .062" thick boards with an outer plating of gold on the contact pads.
5. The test samples and edge cards had wires soldered to the appropriate terminations or contact pads.
6. The test consisted of having current run through the contact point while the edgecards are in different positions relative to the connector and measuring the voltage drop at the specified intervals.



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## ETR # 044 TEST LAYOUT



### TEST DATA

SAMPLE NUMBER	CONTACT RESISTANCE IN OHMS		
	EXTREME LEFT	CENTER	EXTREME RIGHT
1	.0325	.0231	.0282
2	.0192	.0235	.0212

\*\* CONTACT RESISTANCE WAS TESTED ON CONTACT ID# 16.

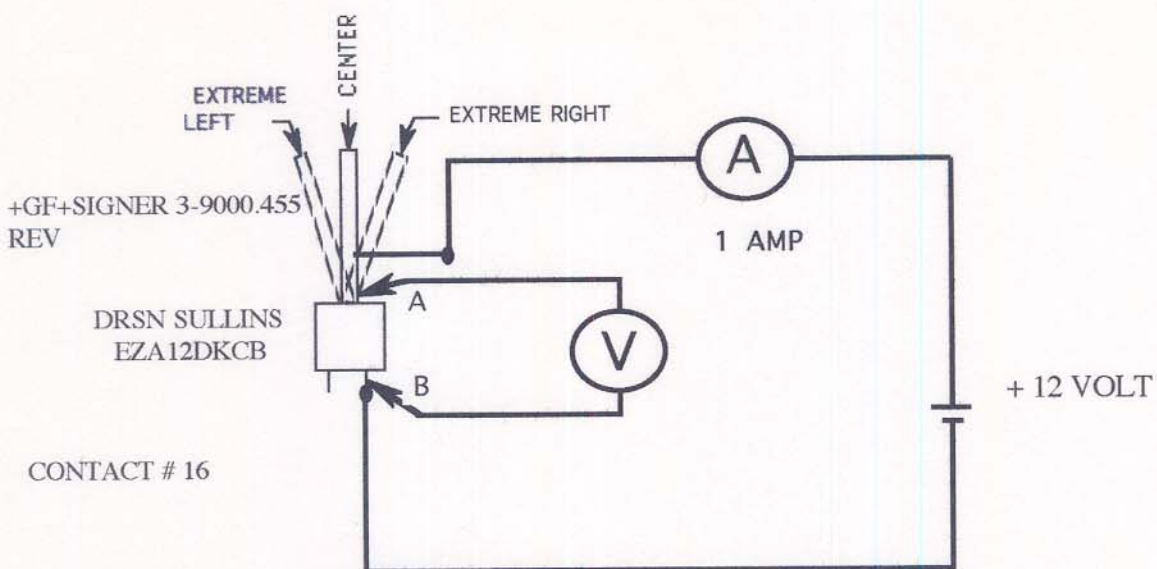
\*\* TESTING WAS DONE PER TEST DESCRIPTION ON NEXT PAGE.



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## TEST DIAGRAM



POINT A = TEST PIN  
POINT B = BOTTOM OF CONNECTOR

## EQUIPMENT LIST

<u>NAME</u>	<u>BRAND AND MODEL</u>
1. DC POWER SUPPLY	HEWLETT PACKARD MPB MODEL 6282 A
2. DIGITAL MULTIMETER	KEITHLY 177 MICROVOLT DMM



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