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									, ,			
	3. ELECT	TRICAL										
ام	3a.		OLTAGE TE	ST								l <sub>A</sub>
		500 VOL	TS AC/RMS	S OF COMMER	CIAL FREQUENCY 50 T	O 60 Hz APPLIED BET\	VEEN ADJACEN	T OPEN				' '
		TERMIN	ALS FOR 1 I	MINUTE WITHO	OUT BREAKDOWN							
	01-	INOLU ATIONI	DEGIOTANO	\ <del>-</del>								
	3b.				ETWEEN MUTUAL INSU	II ATED CONTACTS SH		<b>1</b>				
7					ON UNDER 500 VOLTS [			,				
		SPECIF				(=						
		_	, 									
				CONDITIO	NS	VALUE OF SPI	EC					
В		I	VITIAL CONI									В
			AFTER LIFE ' AFTER HEAT			100 MΩ MIN.						
			FTER COLE			100 IVISZ IVIIIN.						
					OLDERING HEAT TEST							
		A	AFTER HUM	IDITY TEST		50 MΩ MIN.						
		,,	OTE: THE !	MATER RILIC I	IOED TO THIS MEASUE	EMENT OUALL DE ALL	NAIED TO OLEAR	LAND				
		ĮN	IOTE, THE	MATED PLUG (	JSED TO THIS MEASUF		WED TO CLEAN	IAND				
			DEM	OVE OXIDATIO	NI FILM ON THE SLIDEA	CE REFORE TEST						
		L	REM	OVE OXIDATIO	N FILM ON THE SURFA	CE BEFORE TEST.						
С	3c.	CONTACT RE		OVE OXIDATIO	ON FILM ON THE SURFA	CE BEFORE TEST.						С
С	3c.	CONTA	ESISTANCE CT RESISTA	ANCE OF JACK	SHALL NOT EXCEED 1	HE VALUE DEFINED IN	THE TABLE LIST	ED				С
С	3c.	CONTA	ESISTANCE CT RESISTA	ANCE OF JACK		HE VALUE DEFINED IN	THE TABLE LIST	ED				С
С	3c.	CONTA	ESISTANCE CT RESISTA	ANCE OF JACK	SHALL NOT EXCEED 1	HE VALUE DEFINED IN	THE TABLE LIST	ED				С
С	Зс.	CONTA	ESISTANCE CT RESISTA	ANCE OF JACK SS THAN 1.0 A	SHALL NOT EXCEED 1 mp. DC BY FOUR TERM	THE VALUE DEFINED IN IINALS METHOD.		ED				С
С	Зс.	CONTA	ESISTANCE CT RESISTA	ANCE OF JACK	SHALL NOT EXCEED 1 mp. DC BY FOUR TERM	THE VALUE DEFINED IN IINALS METHOD. VALUE OF	SPEC.					C
С	Зс.	CONTA AT A CI	ESISTANCE CT RESISTA	ANCE OF JACK SS THAN 1.0 A	SHALL NOT EXCEED 1 mp. DC BY FOUR TERM	THE VALUE DEFINED IN IINALS METHOD.	SPEC.					C
C	Зс.	CONTA AT A CI IN A	ESISTANCE ACT RESISTA URRENT LE URRENT LE	ANCE OF JACK SS THAN 1.0 A CONDITION DITION IDITY TEST	SHALL NOT EXCEED 1 mp. DC BY FOUR TERM	THE VALUE DEFINED IN IINALS METHOD. VALUE OF PLUG TO CONTACTS	SPEC. CONTACT TO S	SHUNT				C
	3c.	CONTA AT A CI IN A A	ESISTANCE ACT RESISTA URRENT LE VITIAL CONI AFTER HUMI AFTER HEAT	ANCE OF JACK SS THAN 1.0 A CONDITION DITION IDITY TEST I TEST	SHALL NOT EXCEED 1 mp. DC BY FOUR TERM	THE VALUE DEFINED IN IINALS METHOD. VALUE OF	SPEC.	SHUNT				C
	3c.	CONTA AT A CI IN A A	ESISTANCE ACT RESISTA URRENT LE  NITIAL CONI AFTER HUMI AFTER HEAT	ANCE OF JACK SS THAN 1.0 A CONDITION DITION IDITY TEST T TEST D TEST	( SHALL NOT EXCEED 1 mp. DC BY FOUR TERM ONS	THE VALUE DEFINED IN IINALS METHOD. VALUE OF PLUG TO CONTACTS	SPEC. CONTACT TO S	SHUNT				D
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	Зс.	CONTA AT A CI IN A A A	ESISTANCE ACT RESISTA URRENT LE NITIAL CONI AFTER HUMI AFTER HEAT AFTER RESI	ANCE OF JACK SS THAN 1.0 A CONDITION DITION IDITY TEST T TEST D TEST	( SHALL NOT EXCEED 1 mp. DC BY FOUR TERM ONS	THE VALUE DEFINED IN IINALS METHOD. VALUE OF PLUG TO CONTACTS	SPEC. CONTACT TO S	SHUNT AX.				D
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	3c.	CONTA AT A CI IN A A A	ESISTANCE ACT RESISTA URRENT LE  NITIAL CONI AFTER HUMI AFTER HEAT AFTER COLE AFTER RESI	ANCE OF JACK SS THAN 1.0 A  CONDITION IDITY TEST I TEST D TEST STANCE TO SO ABILITY TEST  MATED PLUG L	SHALL NOT EXCEED TO MIT TO THE MEASURI WEASURI	THE VALUE DEFINED IN INALS METHOD.  VALUE OF PLUG TO CONTACTS  50 mΩ MAX.  100 mΩ MAX.	SPEC.  CONTACT TO S  30 mΩ MA	SHUNT AX.				
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D	3c.	CONTA AT A CI IN A A A	ESISTANCE ACT RESISTA URRENT LE  NITIAL CONI AFTER HUMI AFTER HEAT AFTER COLE AFTER RESI	ANCE OF JACK SS THAN 1.0 A  CONDITION IDITY TEST I TEST D TEST STANCE TO SO ABILITY TEST  MATED PLUG L	SHALL NOT EXCEED TO MIT TO THE MEASURI WEASURI	THE VALUE DEFINED IN INALS METHOD.  VALUE OF PLUG TO CONTACTS  50 mΩ MAX.  100 mΩ MAX.	SPEC.  CONTACT TO S  30 mΩ M/  60 mΩ M/  WED TO CLEAN  PART NO.	SHUNT AX. AX. AND	SDC - 259 F109-30020	SHEET 3 OF 6	REVISION SEE SHEET 1	

4. ENDURANCE **DURABILITY TEST** THE DURABILITY TEST SHALL CONSIST OF 5000 MATING CYCLES OF INSERTION AND EXTRACTION WITH THE MATED PLUG OR THE GAUGE PLUG AT A RATE 10 ~ 20 CYCLES PER MINUTE, NO LOAD CONDITION. WITH OR WITHOUT LUBRICANT WHICH SHOULD BE SPECIFIED THE DETAIL REQUIREMENT. THE PERFORMANCE OF THE JACK BEFORE AND AFTER THIS TEST SHOULD COMPLY WITH PARAGRAPHS 2b AND 3c. MEASURING CONDITION ALL MEASUREMENTS AND TEST SHALL BE MADE AT A TEMPERATURE 10° C TO 35° C WITH A RELATIVE HUMIDITRY OF 45% RH TO 85% RH UNDER STANDARD ATMOSPHERIC PRESSURE UNLESS OTHERWISE SPECIFIED CONDITIONS. 5. ENVIRONMENT 5a. HUMIDITY TEST THE JACK SHALL BE PLACED IN THE TESTING CHAMBER AT THE CONDITION OF 40° C ± 2° C AND THE RELATIVE HUMIDITY OF 99% TO 95% RH FOR 96 Hrs. THE DEW DROPS ON THE SURFACE OF JACK SHALL BE BLOWN OFF AND REMOVED FROM THE SURFACE OF JACK AND THEN PLACED IN AMBIENT TEMPERATURE FOR MORE THAN 30 MINUTES RECOVERY PERIOD. THE RELATIVE TEST BEFORE AND AFTER THIS TEST SHOULD COMPLIED WITH PARAGRAPH 3b AND 3c. 5b. HEAT TEST THE JACK SHALL BE PLACED IN THE TESTING CHAMBER AT A TEMPERATURE OF 70° C ± 2° C AND THE RELATIVE HUMIDITY OF LESS THAN 50% RH FOR 96 Hrs AND THEN PLACED IN AMBIENT TEMPERATURE FOR MORE THAN 30 MINUTES. RECOVERY PERIOD. THE RELATIVE TEST BEFORE AND AFTER THIS TEST SHOULD COMPLIED WITH PARAGRAPH 3c. COLD TEST HE JACK SHALL BE PLACED IN THE TESTING CHAMBER AT A TEMPERATURE OF -40° C ± 2° C AND THE RELATIVE HUMIDITY OF LESS THAN 50% RH FOR 96 Hrs AND THEN PLACED IN AMBIENT TEMPERATURE FOR MORE THAN 30 MINUTES, RECOVERY PERIOD, THE RELATIVE TEST BEFORE AND AFTER THIS TEST SHOULD COMPLIED WITH PARAGRAPH 3c. PART NO. SDC - 259 SHEET REVISION Genesis, CHNOLOGY, INC ATLANTA, GA 303 IS DWG NO. GTI09-30020 4 OF 6 SEE SHEET 1 6 8

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		DERING TEST I. REFLOW PROFILE	E FOR SOLDERABILITY	TESTING					
A									ļ <sup>A</sup>
		REFLOW PROFILE	FOR SOLDERABILITY Time		eation				
		Pre Heating	Time	3° c/ Sec MAX					
		Flux Wetting	T soak	2~3 Min					
П		Time Over 217° C Peak Temp	t1 T2	30 Sec MAX. 230° C (-0/+5°	<u>C)</u>				
		Peak Time	t2	10 Sec	<u> </u>				
		Speed of Cooling		<6° C/Sec					
В									l <sub>E</sub>
		A -							
			ature						
Н		T <sub>2</sub>		<b>/</b>					-
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		Figure	1. Reflow profile for sol	derability testing.					
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	6b. RES	SISTANCE TO REFLOV		VE 00414 AND 070DE 43					
				E SOAK AND STORE AT TER REMOVAL FROM T					
		HUMIDITY EXPOSU		ECIMEN TO 3 CYCLES O					
Н		PROFILE.							-
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					GENESIS 1015 GRAFI STREET S.Z.	PART NO.	SDC - 259	SHEET	REVISION
					ECHNOLOGY, INC ATLANTA GA 30315 a Cenesis Electro-Mechanical Company	DWG NO.	GTI09-30020	5 OF 6	SEE SHEET 1
	1	2	3	4	5	6	7		8

