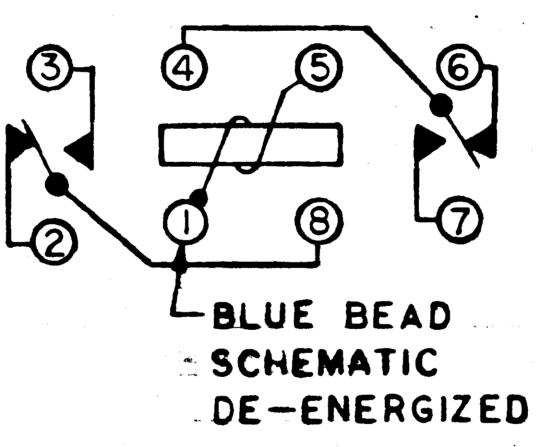
an a	na an a			n an	. An	en en setter et en	nan en	**************************************		
ARE U	USED FOR ANY PURPOSE OTHER TH	NGS. SPECIFICATIONS. OR OTHER DATA AN IN CONNECTION WITH A DEFINITELY PERATION. THE UNITED STATES GOVERN-						B 4029		M
MENT AND T IN AN NOT	T THEREBY INCURS NO RESPONSIBIL THE FACT THAT THE GOVERNMENT IN NY WAY SUPPLIED THE SAID DRAWIN TO BE REGARDED BY IMPLICATION	ITY NOR ANY OBLIGATION WHATSOEVER: MAY HAVE FORMULATED, FURNISHED, ON NGS, SPECIFICATIONS OR OTHER DATA IS IN OR OTHERWISE AS IN ANY MANNER PERSON OR CORPORATION, OR CONVEY-								PER TOP
PATE	ENTED INVENTION THAT MAY IN ANY	D MANUFACTURE, USE, OR SELL ANY WAY BE RELATED THERETO.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	. (4)		LEVEL: 1000 VOLTS DC M			REVISED
NOTI	GENERAL REQUIRE	MENTS		en e			T DAMAGE, ARCING OR BREAT AND OTHER CIRCUITS, TH			REVISED
			CE WITH STANDARDS PRESC	RIBED BY	· · ·		DC MINIMUM FOR 5 SECONDS			
	MIL-D-70327				(5)	INSULATION P	RESISTANCE: 1000 MEGOH			tingen ander an Ander ander and
		ONS AND ADDITIONS	ICABLE REQUIREMENTS OF SPECIFIED HEREIN.	MIL-K-5/5/ WITH		ENERGIZED OF	LLY INSULATED TERMINALS, R NOT, COIL AND CASE AT	PLUS 25 DEGREES CE	NTIGRADE	
			THE QUALITY ASSURANCE	PROVISIONS AS	• (6)		S AT 125 DEGREES CENTIGR RELEASE TIME: EACH 7 I			
		N ND 1015404, CLAS	IFICATION REQUIREMENTS	OF ND 1002046		SUGGESTED S	DURCE VOLTAGE OF TABLE			•
	UNLESS OTHE	RWISE SPECIFIED HE	REIN. ELECTRICAL REQUI EDENCE OVER THOSE LISTE	REMENTS CON-	. (7)		CIRCUIT OF MIL-R-5757. ME: 1.0 MILLISECOND MAX	CIMUM.		
	E: THE CLASSIF	ICATION OF THIS RE	LAY SHALL BE LOW-LEVEL		(8)	CONTACT BOU	NCE: 2.0 MILLISECONDA M	AXIMUM.		
			ON OF THIS DRAWING.		.(9)		TTER: 10.0 MICROSECONDS S SPECIFIED IN ND 100204		BRATION	
	ACCCRDANCE	WITH ND 1002215. C	CKAGING AND PACKING SHA LASS I, CODE 1.	ILL BE IN	D. VEN		DATA: EACH SHIPMENT OF		COMPANIED	
2.	ACCEPTANCE AND		PECIFIED, SAMPLING FOR	ALL REGULEREMENTS			DOCUMENTATION.	ATEDIAL	-	•
	UNDER ACCEP	TANCE AND INSPECTA	ON SHALL BE IN ACCORDAN				OF ANALYSIS FOR LEAD M OF COMPLIANCE TO ND 10			
	· -	, LEVEL I, AQL OF	4.0 PERCENT.		**		OF COMPLIANCE WITH 100			•
	B. MECHANICAL (1) LEAD M		ERIAL SHALL BE PER TA	BLE I	_ (4)	) CERTIFIED T	EST. DATA (FOR EACH RELA	Y) OF MISS TEST.		
	DILANC	E WITH THIS BEAMIN	A CERTI EMENT SHALL ACCOMPANY E	FICATE OF COM-	HF			•		
	COMPON	ENT LEAD SHALL BE	UNIFORM IN QUALITY AND	TEMPER, CLEAN, SO	DUND,			•		1.07
		-	ALE, DAMAGED ENDS, WELD			•	•	•		' 1.05
			ARE INOT IAN IACCORDANCE IN SIMUTHING JOG OF THEADER.		STICE.		-			
	(2) MARKI	₩G: + s s + s s s s s s s s s s s s s s s	an a		·		. <b>.</b>			
	•••		LED AN ACCORDANCE ANTWAN					RENCE ONLY	· · ·	
		-	NSIST: OF A FOUR DIGITAN				FUN NEFE			
		SECOND TWO DIGITS	HALL BE THE NUMBER OF	THE WEEK OF THE YI	EAR);	•	374	5 C		UU
	· · · · · · · · · · · · · · · · · · ·	MAXINUM; SCHEMATIC	AT 25 DEGREES CENTIGRAD	AROUND TERMENAL 1	•	• • •			.053 DIA	
	•••		(TERIOR » PACKAGING « AND : P/ L=STD=129, (BOTH » INTERNAL			•			8 LEADS	
		ASA DRAHANG NUMBER		DASH NUMBER, SUPPL	LIERS NAME,		40 \4	<u>8</u> 47		
		1 	SHALL BE AS SPECIFIED H	HEREIN. LEADS		·		E BEAD	20	)5
	SHALL	BE SYMMETRICALLY P	POSITIONED WITH RESPECT		, X	- -		EMATIC -ENERGIZED	.20 .19 3 Pl	ACES
		N .010 INCH. Units shall be he	ERMETICALLY SEALED. SEA	AL TEST III (EXCE	EPT 10-8 CC/S	SEC)PER				
			FORMED ON 100 PERCENT OF						-00	I CONFIGU
	C. ELECTRICAL		IND DROP-OUT IN ACCORDAN	NCE LITH TARIE T			. <b>-</b>			
			CORDANCE WITH TABLE I.		•	ł	•	QTY	PART OR	
			ALL BE 1.0 OHM MAXIMUM V		· · ·	ب : .		REQD	IDENTIFYING NO.	LIST OF
	• · ·		ROM A 6 VDC OPEN CIRCUIT				UNLESS OTHERWISE SPECIFIED		I T NTATION LAB	
	OF UN	ITS PROCURED SHALL	BE INSPECTED FOR THIS (	CHARACTERISTIC.			DIMENSIONS ARE IN INCHES TOLERANCES ON		CONTRACT	
		ADDOVED CONDEES 1	STED IN ND LOODDAL EOD	THIS DRALLING			FRACTIONS DECIMALS / ± ± =	HINGLES DRAWN		
PRU	ULUKE UNLT FRUM	AFFRUVED SUURCES EI	ISTED IN ND 1002034 FOR	THIS DRAWING.			DO NOT SCALE THIS DRAWING		souche 9 Nov64	
	ι					-	MATERIAL SEE NOTE	APPROVAL	CHIIIL LE	• .
			,				HEAT TREATMENT	NASA APPROVAL	A Y ATANY	CODE IDENT NO
		•			NEXT ASSY	USED ON	FINAL FINISH	MIT APPROVAL	1-13-65	80230
				• • • • • • • • • •	APPLI	CATION		MIT APPROVAL	Kupp 13415	SCALE NONE

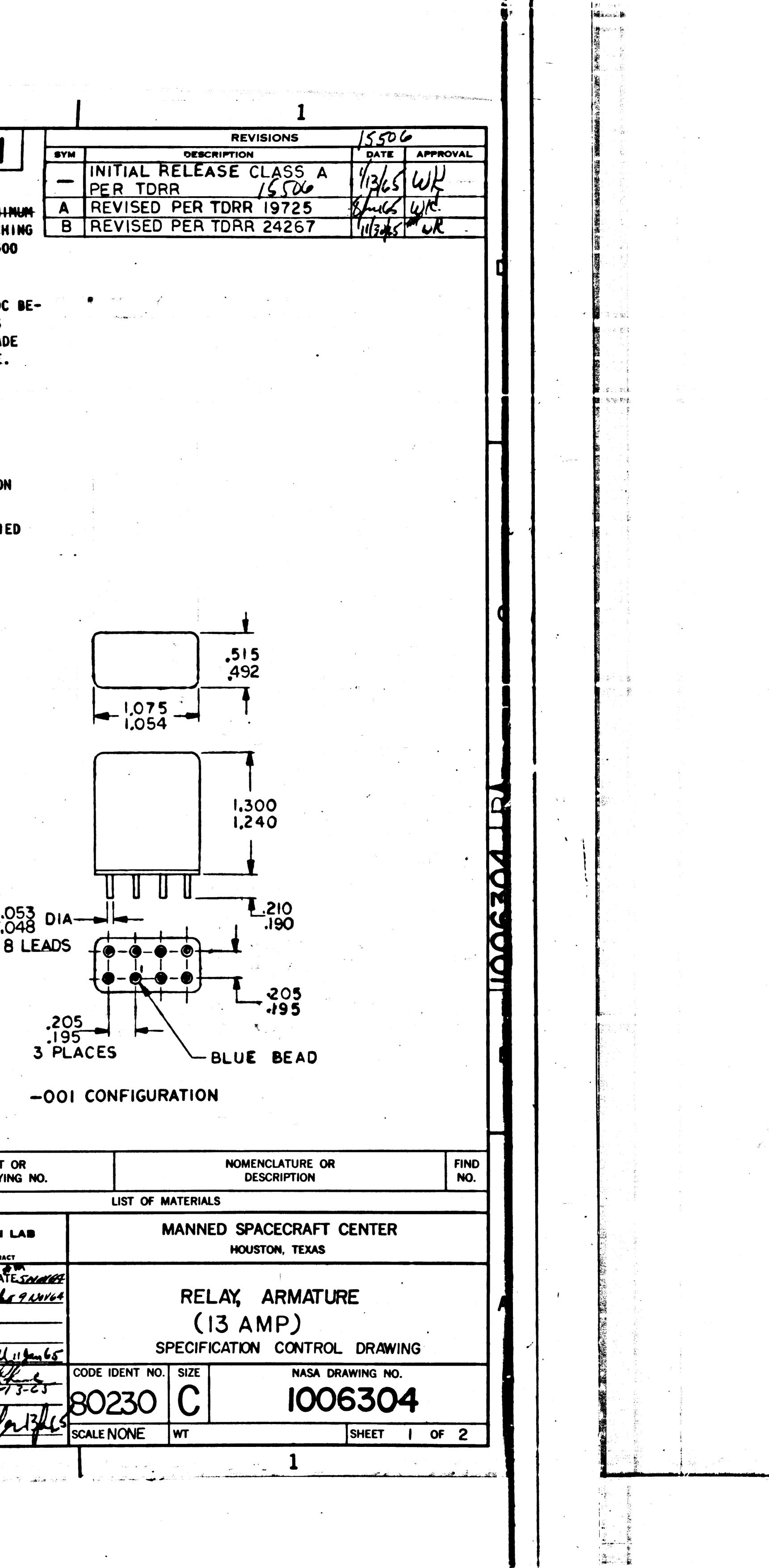
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100e304 B	SYM	DE
	-	INITIAL RELE PER TORR
RENGTH: EVEL: 1000 VOLTS DC MINIMUM FOR 5 SECONDS MINIMUM	Α	REVISED PER
DAMAGE, ARCING OR BREAKDOWN BETWEEN EACH SWITCHING AND OTHER CIRCUITS, THE COIL AND THE FRAME. 500 MINIMUM FOR 5 SECONDS MINIMUM BETWEEN OPEN	B	REVISED PEF
SISTANCE: 1000 MEGOHMS MINIMUM AT 500 VOLTS DC BE- Y INSULATED TERMINALS, OPEN SWITCHING CONTACTS NOT, COIL AND CASE AT PLUS 25 DEGREES CENTIGRADE AT 125 DEGREES CENTIGRADE), CONTACTS AND FRAME.		°n na san an a
ELEASE TIME: EACH 7 MILLISECONDS MAXIMUM AT RCE VOLTAGE OF TABLE I, WHEN TESTED PER THE RCUIT OF MIL-R-5757.	<b>`</b> .	
: 1.0 MILLISECOND MAXIMUM.		:
E: 2.0 MILLISECOND MAXIMUM.		• · · ·
ER: 10.0 MICROSECONDS. MAXINUM DURING VIBRATION SPECIFIED IN ND 1002046.		
TA: EACH SHIPMENT OF PARTS SHALL BE ACCOMPANIED OCUMENTATION.		
F ANALYSIS FOR LEAD MATERIAL		







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<ul> <li>(2) TEST SPEED SHALL BE 5</li> <li>(3) EACH RELAY SHALL OPER</li> <li>(4) EACH RELAY SHALL BE MORE SISTANCE WHICH SHALL</li> <li>(5) OCCURANCE OF ANY OF THE SHALL BE CAUSE FOR REL</li> </ul>
<ul> <li>(3) EACH RELAY SHALL OPER</li> <li>(4) EACH RELAY SHALL BE MORE SISTANCE WHICH SHALL</li> <li>(5) OCCURANCE OF ANY OF TO</li> </ul>

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R DATA NITELY DVERN-DEVER; IED. OR DATA IS IANNER DNVEY-L ANY 

ED SOURCE): IN ACCORDANCE WITH TABLE I. S MAXIMUM AT PLUS 25 DEGREES CENTIGRADE T PLUS 125 DEGREES CENTIGRADE.

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POLE): 13 AMPERES AT 3 VOLTS DC OR 10 RMS, 60 OR 400 CPS, WITH RESISTIVE LOAD. INT, MAXIMUM: IN ACCORDANCE WITH TABLE I. PABLE OF SWITCHING DRY-CIRCUIT CONDITIONS THAT NO LOAD GREATER THAN 100 MILLIAMPERES IOR TO DRY-CIRCUIT LOAD.

SHALL WITHSTAND AN AXIAL PULL OF 3 POUNDS

SENSITIVITY) IN ACCORDANCE WITH TABLE I.

300 VOLTS DC MINIMUM FOR 5 SECONDS MINIMUM ARCING, OR BREAKDOWN BETWEEN EACH SWITCHING OTHER CONNECTIONS INCLUDING THE FRAME.

TCHING ACTION: 2 FORM C CONTACTS (BREAK POLE, DOUBLE THROW.

ILVER-MAGNESIUM-NICKEL ALLOY, GOLD PLATED. UPRO NICKEL

UNIT SHALL BE 100,000 CYCLES MINIMUM WHEN 5. FOR THE LIFE TESTS, THE CLASSIFICATION GENERAL PURPOSE OR LOW-LEVEL WITH THE UNDER CONTACT RATING. •

S • \_ \_

ESISTANCE): UNITS SHALL BE CAPABLE OF WITH-MIDITY UP TO 100 PERCENT.

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RANGE: UNITS SHALL BE CAPABLE OF OPERATING REQUIREMENTS OF THIS SPECIFICATION WHEN EMPERATURES FROM MINUS 65 DEGREES CENTIGRADE CENTIGRADE.

SHALL BE CAPABLE OF WITHSTANDING THERMAL DEGREES CENTIGRADE TO PLUS 125 DEGREES

PER MIL-R-5757 IS NOT APPLICABLE.

IBJECT EACH RELAY TO THE MISS TEST AS FOLLOWS: ROAMPERES MAXIMUM (RESISTIVE) AT 20 MILLI-IRCUIT VOLTAGE. 5 CYCLES, OR LESS, PER SECOND.

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ERATE FOR 5,000 CYCLES.

MONITORED FOR OPENS, SHORTS AND CONTACT ALL NOT EXCEED 1000 OHMS. THESE EVENTS SHALL CONSTITUTE A MISS AND REJECTION OF RELAY.

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(6)	CONTACT RESIS
	MEASURED BY T
	PRIOR TO SHIP
	ACCOMPANY EAC
	NUMBER OF REL
	OF RELAYS FAL
	OF FAILURE SH
(7)	TEST READINGS
•••	8 FOR EACH RE
	SUBMITTED WIT

(1990) 1990 - Angel Angel Angel 1991 - Angel Ang				2		in an an an Anna an Anna Anna Anna Anna	natur (na na n	un terrete gen streep generation and terrete streep and terre		
	•			304 E	9001		R DESCRIPTI			• •
(6	MEASURED BY PRIOR TO SHI ACCOMPANY EA NUMBER OF RE OF RELAYS FA	THE MANUFACT PMENT. CERT ACH SHIPMENT. ELAYS SUBJECT AILING THE 5,	AXIMUM PULL-IN URER AFTER THE IFICATION OF TH ONE COPY OF A ED TO THE 5,000 000 CYCLE TEST NY EACH SHIPMEN	5,000 CYCLE ESE MEASUREM TABULATION, CYCLE TEST, AND THE TIME	TEST AND JUST ENTS SHALL SHOWING THE THE NUMBER	PER T A REVISE		RR 19725 8 mil	WK. WK. WK	
. (7	8 FOR EACH I	GS FOR REQUIR RELAY TAKEN B ITH EACH LOT.	EMENTS SPECIFIE EFORE AND AFTER	D IN NOTES 2 Miss test s	C1, 3, 6, 7, HALL DE	ь, 				
.i	. 3				•	•				
DASH NO.	COIL RESISTANCE OHMS • 25°C MIN - MAX	PULL-IN CURRENT MADC MAX POSITIVE	TABLE I CONTINUOUS CURRENT • 125°C MADC MAX	SUGGESTED SOURCE VOLTAGE VDC	OPERATE SENSITIVITY MW NOM.	DROP-OUT CURRENT MADC MIN POSITIVE	LEAD MATERIAL			· · · · · · · · · · · · · · · · · · ·
-001 -002	65 ± 10% 65±10%	88.0 88.0	176 176	<b>12.0</b> 12.0	500 500	8.8 8.8	DUMET PER PS1015401 CORE:			
		•					COPPER 22% OF TOTAL VOLUME. SLEEVE: NICKEL-42%, CHROME-6%			•
• •		•					I RON-52%			
			.145	250	•	•	• •			
•			,055 MIN			. •				
		•	.010 MIN	L.051 DIA			•	• •		
		- 002	2 LEAD CON	FIGURATION			4			
	<i>4</i> 3		• •	•		· · ·	x ,			
	• •				• • • •	• • • • • • •		- -		· ·
•	• • •	ł		•			•	• •		
· • •	•		νω.	QTY REQD	PART OR IDENTIFYING NO.		N OF MATERIALS	OMENCLATURE OR DESCRIPTION	FIND NO.	
		UNLESS OTHER	WISE SPECIFIED RE IN INCHES		MIT MENTATION LAB		MANNED	SPACECRAFT CENTER HOUSTON, TEXAS	R	
		- TOLERANCES O FRACTIONS - ± DO NOT SCALE			CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT		RELAY	Y 2		
		MATERIAL HEAT TREATME	INT	APPROVAL EL	An chall 11 Jan 61	CODE IDENT	SPECIFICAT	ION CONTROL DRA NASA DRAWING N	ю.	
NEXT ASSY	USED ON PLICATION	FINAL FINISH			1 7-13.63	-18023	OC.	100630 Sheet		
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APPLICATION					

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· · ·	100e304 B	SYM	DES
ANCE AND MAXIMUM PULL-			INITIAL RELE PER TDRR
E MANUFACTURER AFTER TH	HE 5,000 CYCLE TEST AND JUST		REVISED PEF
	THESE MEASUREMENTS SHALL F A TABULATION, SHOWING THE	В	REVISED PEP
	DOO CYCLE TEST. THE NUMBER		