REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVAL
A	RN A060 INCORPORATED	5/3/93	[illegible]

SHEET REVISION STATUS

SH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
REV	A	A	--																	
SH	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
REV																				

ORIGINATOR T. Perry/Paramax	DATE 6/23/92	FSC: 5945
APPROVED S. Archer-Davies/Paramax	6/23/92	Relays, Electromagnetic, Hermetically Sealed, 4PDT (4C), Permanent Magnet Drive, 10 Ampere, All Welded
CODE 311 APPROVAL P. Jones/GSFC	6/30/92	
CODE 311 SUPERVISORY APVL G. P. Kramer, Jr./GSFC	7/20/92	
ADDITIONAL APPROVAL		S-311-P-754/10

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND 20771

CAGE CODE: 25306

GSFC DETAIL SPECIFICATION

RELAYS, ELECTROMAGNETIC, HERMETICALLY SEALED, 4PDT (4C), PERMANENT MAGNET DRIVE, 10 AMPERE, ALL WELDED

The requirements for procuring the relays described herein shall consist of this specification and the current revision of GSFC S-311-P-754.

Table I. Part Numbers and characteristics

GSFC Part Number	Similar to MIL Part Number	Terminal Type	Coil Voltage (Nominal)	Pickup Voltage (max.)	Dropout Voltage (min.)	DC Coil Resistance (ohms)
G311P754/10-001	MS27400-5M	Solder Hook	28.0 Vdc	18.0 Vdc	1.5 Vdc	290 ±10%
G311P754/10-002	MS27400-6M	Socket Pin	28.0 Vdc	18.0 Vdc	1.5 Vdc	290 ±10%

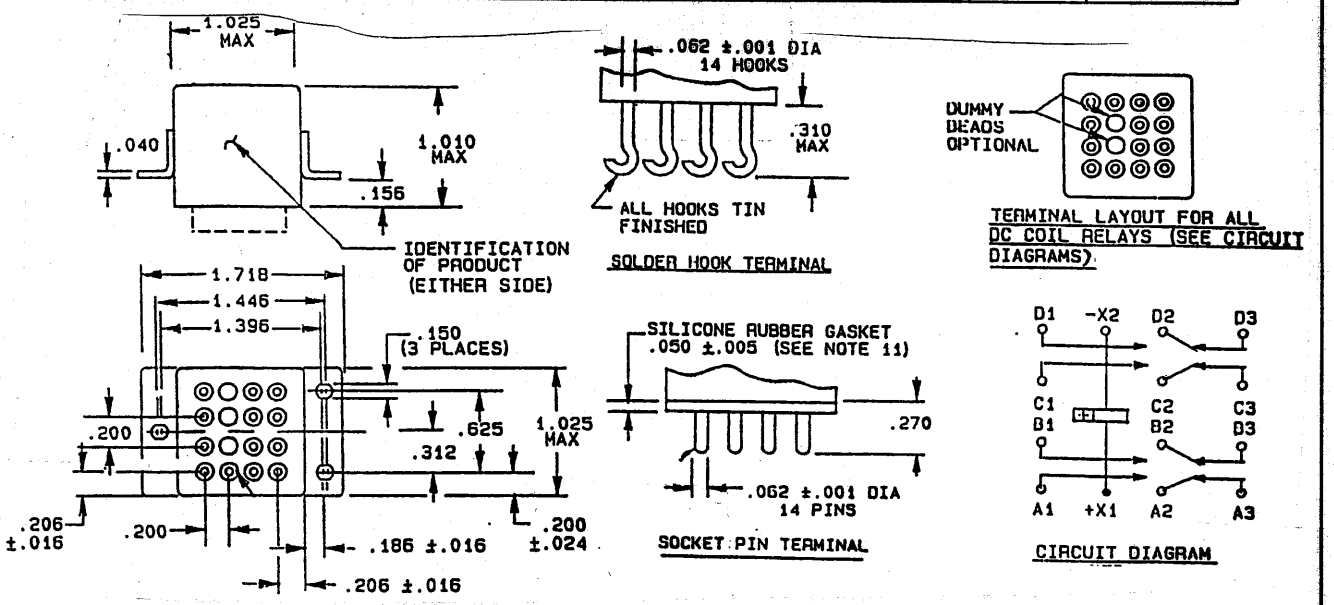

Figure 1. Configuration and circuit diagram.

Notes:

1. Relays must be provided with unpainted enclosures.
2. Terminal numbers do not appear on the header. There shall be affixed to each relay a suitable circuit diagram that identifies each terminal location.

REQUIREMENTS:

Operating Temperature Range: -70°C to +125°C

Other: All requirements (contact ratings, life test requirements, environmental data, etc.) shall be as specified in MS27400 except as detailed or modified herein.

Seal
- Fine leak test ..... 1 X 10^{-8} cc/sec max.
- Gross leak test ..... not applicable

Electrical measurements
- Insulation resistance ..... see MS27400
- Dielectric strength ..... see MS27400
- Coil resistance ..... see Table I
- Pickup voltage ..... see Table I
- Dropout voltage ..... see Table I
- Contact voltage drop..... 0.150 volt max.
- Operate time ..... 15 ms max.
- Release time ..... 15 ms max.
- Bounce time ..... see MS27400
- Coil transient suppression ..... not applicable
- Neutral screen ..... not applicable

Vibration
- Sinusoidal ..... 30 g (10 - 3000 Hz)
- Random ..... not applicable

High temperature soak ..... not applicable
High temperature run-in ..... applicable at +85°C
Low temperature run-in ..... not applicable
Room temperature run-in ..... not applicable

Seal
- Fine leak test ..... 1 x 10^{-8} cc/sec max.
- Gross leak test ..... applicable