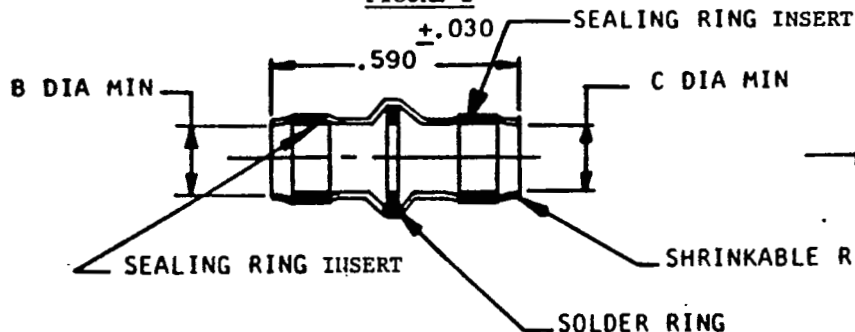




FIGURE 1



FED SUP CLASS
5940

TABLE I

DASH NUMBER	AS SUPPLIED		SHIELD TERMINATION (SEE FIG. 2)		CONDUCTOR COATING	SOLDER RING/ FLUX / INSERT COLOR
	B DIA	C DIA	D	d		
-1	.075	.095	.095	.035	TINNED OR SILVER	SN 63 SRMAP PER QQ-S-571 INSERT COLOR: 2 BLUE
-2	.110	.125	.125	.055		
-3	.180	.200	.200	.100		
-9	.235	.250	.250	.125		
-4	.280	.300	.300	.160		
-5	.075	.095	.095	.035	NICKEL	SN 63 SRAP PER QQ-S-571 (6) INSERT COLOR: 1 BLUE, 1 CLEAR
-6	.110	.125	.125	.055		
-7	.180	.200	.200	.100		
-10	.235	.250	.250	.125		
-8	.280	.300	.300	.160		

MATERIAL:

SEALING RING INSERT: THERMALLY STABILIZED, MELTABLE,
THERMOPLASTIC SOLDER RING: TABULATED
SOLDER RING: TABULATED
SHRINKABLE SLEEVE: EXPANDED, TRANSPARENT, IRRADIATED
POLYVINYLIDENE FLUORIDE, BLUE TINT

EXAMPLE OF PART NUMBER:

NAS1746-7 SPLICE FOR USE WITH WIRE HAVING NICKEL PLATED
SHIELDING, WITH CONTINUOUS INSULATION TEMPERATURE
RATING OF 125° C MIN.

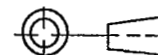
* INACTIVE FOR NEW DESIGN
AFTER JUNE 30, 1983
USE DOCUMENT INDICATED

LIST OF CURRENT SHEETS

SHT.	REV.
1	6
2	5
3	2

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE

THIRD
ANGLE
PROJECTION



PROCUREMENT
SPECIFICATION

NAS1747

TITLE

SPLICE, SHIELD TERMINATION, SOLDER STYLE
INFRARED SHRINKABLE, INSULATED, MOISTURE
RESISTANT

CLASSIFICATION

STANDARD PART

NAS1746

SHEET 1 OF 3

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NOTES:

1. DIMENSION IN INCHES.
2. NOTE DELETED

RECOMMENDED INSTALLATION METHOD:

INFRARED HEATER WITH HEAT REFLECTOR IN ACCORDANCE WITH
MANUFACTURER'S RECOMMENDATION

INSTALLED PERFORMANCE REQUIREMENTS:

TRANSPARENCY:	BEFORE THE HEAT SHRINKING AND MELTING PROCEDURE THE SOLDER RING AND COMPONENT CONDUCTORS SHALL BE READILY VISIBLE BY THE UNAIDED EYE
VOLTAGE DROP:	SHIELD TERMINATIONS: 2.0 MILLIVOLTS MAX
PULL OUT STRENGTH:	LEAD BREAKAGE OR 15 LBS WHICHEVER IS LESS
DIELECTRIC STRENGTH:	2000 VOLTS MIN
VIBRATION:	10-70 CPS AT .06 INCH, DA AND 70 TO 2000 CPS AT 15G PEAK FOR 4 HOURS IN EACH PLANE. VOLTAGE DROP: 2.5 MILLIVOLTS MAX
TEMPERATURE CYCLING:	-65 ±3° C TO + 150 ±3° C, 5 CYCLES VOLTAGE DROP: 2.5 MILLIVOLTS MAX
FLUID RESISTANCE:	⑤ IMMUNE TO DETERIORATION IN THE FOLLOWING TYPES OF FLUIDS: MIL-H-5606; TT-I-735; MIL-L- 7808; MIL-L-27502; MIL-T-5624; O-E-760; AS1241; TYPE IV, CLASS 1, GRADE OPTIONAL; MIL-A-8243; MIL-L-23699 AND MIL-C-87936.
FLAMMABILITY:	SELF EXTINGUISHING, 5 SEC MAX
CORROSION RESISTANCE:	96 HOURS AT 35 ± 3° C
CORROSIVE EFFECT:	NONCORROSIVE OVER RATED TEMPERATURE RANGE. 16 HOURS AT 121 ±2° C
TEMPERATURE RANGE:	-54° C TO +150° C (10,000 HOURS)

INTENDED USE:

THIS STANDARD DEFINES THE REQUIREMENTS FOR SPLICES WHICH REDUCE TO
A PREDETERMINED DIAMETER UPON THE CONTROLLED APPLICATION OF HEAT,
THESE SPLICES ARE INTENDED TO BE USED TO SOLDER GROUND WIRES TO
WIRE SHIELDING.

PRIMARY USAGE IS FOR ELECTRICAL HARNESS ASSEMBLY OR SIMILAR
APPLICATIONS.

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1250 EYE STREET, N.W.
WASHINGTON, D.C. 20005

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND
SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST DATE OF APPROVAL SHOWN
HEREON.

APPROVAL DATE JANUARY 1969 REVISION ⑤ 15 APRIL 1994

NAS1746

Documents

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