



Aerospace
Industries
Association

AIA/NAS NAS*1745 94 0318743 0501889 934

NATIONAL AEROSPACE STANDARD

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FED SUP CLASS
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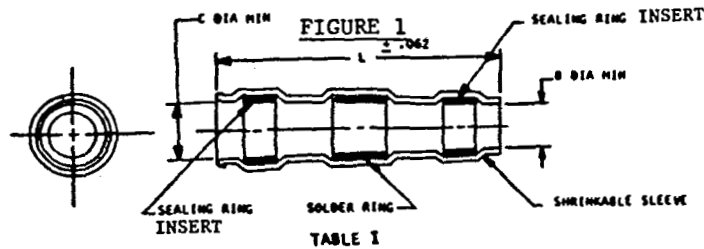


TABLE I

DASH NUMBER	L DIA	AS SUPPLIED		SHIELD TERMINATION (SEE FIG. 2)		CONDUCTOR COATING	TEMP RANGE	SOLDER RING / FLUX / INSERT COLOR
		B DIA	C DIA	D	d			
-1	.625	.075	.095	.095	.035	TIMMED OR SILVER	-54°C TO +150°C	SN 63 SRMAP PER QQ-S-571
-2	.625	.110	.125	.125	.055			INSERT COLOR: 2 CLEAR
-3	.625	.180	.200	.200	.100			
-17	.750	.235	.255	.255	.125			
-4	.750	.280	.300	.300	.160			
-18	1.100	.440	.460	.460	.225	NICKEL	-54°C TO +150°C	SN 63 SRAP PER QQ-S-571
-19	1.100	.525	.545	.545	.350			INSERT COLOR: 1 CLEAR, 1 BLUE
-5	.625	.075	.095	.095	.035			
-6	.625	.110	.125	.125	.055			
-7	.625	.180	.200	.200	.100			
-20	.750	.235	.255	.255	.125	TIMMED OR SILVER	-54°C TO +105°C	18.2% Cd 51.2% Sn 30.6% Pb MILDLY ACTIVATED ROSIN FLUX PER QQ-S-571 TYPE RMA
-8	.750	.280	.300	.300	.160			INSERT COLOR: 1 CLEAR, 1 BLUE
-21	1.100	.440	.460	.460	.225			
-22	1.100	.525	.545	.545	.350			
-9	.625	.075	.095	.095	.035			
-10	.625	.110	.125	.125	.055	TIMMED OR SILVER	-54°C TO +105°C	18.2% Cd 51.2% Sn 30.6% Pb MILDLY ACTIVATED ROSIN FLUX PER QQ-S-571 TYPE RMA
-11	.625	.180	.200	.200	.100			INSERT COLOR: 1 CLEAR, 1 BLUE
-12	.750	.280	.300	.300	.160			
-13	.625	.075	.095	.095	.035			
-14	.625	.110	.125	.125	.055			
-15	.625	.180	.200	.200	.100	TIMMED OR SILVER	-54°C TO +105°C	18.2% Cd 51.2% Sn 30.6% Pb MILDLY ACTIVATED ROSIN FLUX PER QQ-S-571 TYPE RMA
-23	.750	.235	.255	.245	.125			INSERT COLOR: 1 CLEAR, 1 BLUE
-16	.750	.280	.300	.300	.160			
-24	1.100	.440	.460	.450	.225			
-25	1.100	.525	.545	.535	.350			

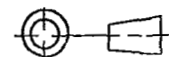
*INACTIVE FOR NEW DESIGN
AFTER JUNE 30, 1983
USE DOCUMENT INDICATED

LIST OF CURRENT SHEETS

SHT.	REV.
1	7
2	5
3	3

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE

THIRD
ANGLE
PROJECTION



PROCUREMENT
SPECIFICATION

TITLE

CLASSIFICATION
STANDARD PART

NAS1747

SPLICE, SHIELD TERMINATION SOLDER STYLE, HOT
AIR SHRINKABLE, INSULATED, MOISTURE RESISTANT

NAS1745

SHEET 1 OF 3

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APPROVAL DATE JANUARY 1989 REVISION (7) 15 APRIL 1994

NATIONAL AEROSPACE STANDARD

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC., 1725 DE SALES STREET, N.W., WASHINGTON, D. C. 20036

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MATERIAL:

SEALING RING INSERT: THERMALLY STABILIZED, MELTABLE THERMOPLASTIC SHRINKABLE SLEEVE: EXPANDED, TRANSPARENT, IRRADIATED POLYVINYLIDENE FLUORIDE, BLUE TINT (-5 THRU -8) AND (-18 THRU -22) OR CLEAR (-24 THRU -25).

EXAMPLE OF PART NUMBER:

NAS1745-18 SPLICE FOR USE WITH WIRE HAVING TINNED OR SILVER PLATED CONDUCTORS AND/OR SHIELDING, WITH CONTINUOUS INSULATION TEMPERATURE RATING OF 125° C MIN

NAS1745-23 SPLICE FOR USE WITH WIRE HAVING TINNED OR SILVER PLATED CONDUCTORS AND/OR SHIELDING, WITH CONTINUOUS INSULATION TEMPERATURE RATING LESS THAN 125° C

NOTES:

1. DIMENSIONS IN INCHES.
2. NOTE DELETED

RECOMMENDED INSTALLATION METHOD:

HOT AIR HEATER WITH HEAT REFLECTOR IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

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: SHIELDED TERMINATION: 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

TEMPERATURE CYCLING: -65 ±3° C TO + 150 ±3° C, 5 CYCLES

VOLTAGE DROP: 2.5 MILLIVOLTS MAX

⑤ COMPLETELY REVISED

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NAS 1745

Documents

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