

MAY 1966



COMPONENTS BULLETIN No.3-B

SPECIFICATIONS AND STANDARDS

ASSOCIATED WITH

SOLDERS AND SOLDERING

GOVERNMENT AND COMMERCIAL REFERENCES
MOST FREQUENTLY UTILIZED IN CONTRACTS AND
IN THE LITERATURE

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Published by
ELECTRONIC INDUSTRIES ASSOCIATION
Engineering Department
2001 Eye Street, N.W., Washington, D.C. 20006

PRICE: \$2.00

INTRODUCTION

This bulletin contains a list of specifications and standards associated with solders and soldering. It includes both government and commercial references found most frequently in contracts and in the literature. It is intended that this list be revised periodically. Any suggested revisions or additions for inclusion in the next issue should be addressed to the Chairman, P- 7.4 Working Group on Solders and Fluxes, c/o Electronic Industries Association, 2001 Eye Street, N. W. , Washington, D. C. 20006, attention: Engineering Department.

<u>TYPE</u>	<u>SPECIFICATION NUMBER</u>	<u>TITLE</u>	<u>DATE OF ISSUE</u>	<u>LATEST CHANGE OR AMENDMENT</u>
Flux	Fed. O-F-506B	Flux Soldering; Paste and Liquid	10/16/57	---
"	MIL-F-4995	Flux, Soldering	5/13/55	---
"	MIL-F-12784A (Sig. C)	Flux Soldering (Stearine Compound 1C-3)	6/13/53	(Amendment 1) September 6, 1956
"	MIL-F-14256-C	Flux, Soldering Liquid (Rosin Base)	2/20/63	(Amendment 1) December 20, 1963
"	Fed. O-F-506B	Flux, Soldering Paste	10/16/57	
"	MIL-T-152B	Treatment, Moisture and Fungus Resistant	8/24/62	
Solder	FED QQ-S-571-D	Solder: Lead Alloy, Tin Lead Alloy and Tin Alloy, Flux Cored Ribbon & Wire & Solid Form	7/10/63	
"	MIL-S-19234	Solder, Cadmium-Silver	12/30/55	
"	MIL-S-12204B	Solder, Aluminum Alloy	12/7/57	(Amendment 1) Jan. 8, 1959
Test Proce- dures & Sold- ering	MIL-E-5272-C	Environmental Testing, Aeronautical & Associated Equipment, General Specification for	1/20/60	
Processes	MIL-S-6872A	Soldering Process, General Specification for	12/15/54	
"	CAA-R-777A	Electronic Equipment, Gen. Spec.	7/1/51	
"	MIL-E-5400-G	Electronic Equipment, Airborne Gen. Spec. for	5/15/64	
Standard	MIL-STD-454 A (Requirement 5)	General Requirements for Electronic Equipment	1/5/65	
"	MIL-STD-275(Ships)B	Printed Wiring for Electronic Equipment	12/18/64	
"	MIL-STD-440(Ships)C	Soldering Techniques for Standard Type Solder Terminals	3/4/63	
"	MIL-STD-202C	Test Methods for Electronic & Electrical Components	9/12/63	Change 2 May 27, 1965
Component	MIL-C-26655B	Capacitors, Fixed, Solid Electrolytic Tantalum	4/29/64	
"	MIL-S-19500D	Semiconductor Devices, Gen. Spec. for	5/11/64	(Amendment 2) July 28, 1965
"	NAVWEPS 00-15PA -1A	Soldering for Electric and Electronic Application	1961	Supplement 1 1965

GENERAL INDUSTRY SPECIFICATIONS AND STANDARDS

<u>TYPE</u>	<u>SPECIFICATION NUMBER</u>	<u>TITLE</u>	<u>DATE OF ISSUE</u>	<u>LATEST CHANGE OR AMENDMENT</u>
Solder	ASTM-B32	Soft Solder Metal	1960	B 32 -60 AT
"	ASTM-B284	Rosin Flux Cored Solder	1958	
"	AMS-4750A	Solder, Tin-Lead 45 Sn/55 Pb	11/1/52	
"	AMS-4755A	Solder, Lead-Silver 94 Pb/5/5 Ag	6/15/52	
"	AMS-4756	Solder 97.5 Pb, 1.5 Ag, 1.0 Sn	12/1/53	
"	B.S. 219 (British)	Soft Solders		
"	B.S. 441 (British)	Cored Solders (Non-Corrosive)	-	
Standard	EIA-RS-178-A	Solderability Test Standard	8/63	
"	EIA-RS-319	Solderability of Printed Wiring Boards	7/65	

