



<b>AEROSPACE STANDARD</b>	<b>AS7928™</b>	<b>REV. C</b>
	Issued 1999-06 Revised 2019-05  Superseding AS7928B	
(R) Terminals, Lug: Splices, Conductor: Crimp Style, Copper, General Specification for		FSC 5940

## RATIONALE

A total revision is required to address Nickel finish terminals, temperature cycle, references, identification marking, and minor technical changes as needed.

### 1. SCOPE

#### 1.1 Scope

AS7928 includes insulated and uninsulated crimp-style copper lug terminals and conductor splices for stranded conductors.

#### 1.2 Classification

Terminals and conductor splices covered by AS7928 shall be of the following types and classes, as specified (see 6.3):

Type I - Uninsulated

Type II - Insulated

Class 1 - Terminal and conductor splice which conform to all of the requirements of AS7928 when installed with the Class 1 crimping tool or crimping dies shown on the applicable detail specification (see 2.3).

Class 2 - Terminal and conductor splice which conform to the material and marking requirements of AS7928 are replaceable by Class 1 terminal or conductor splice, and conform to the performance requirements of AS7928 when crimped with a Class 2 tool having crimping dies and motion conforming to manufacturer's (supplier) control drawing required by 3.6 (see 2.3 and 6.1.5).

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2019 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

**TO PLACE A DOCUMENT ORDER:** Tel: 877-606-7323 (inside USA and Canada)  
 Tel: +1 724-776-4970 (outside USA)  
 Fax: 724-776-0790  
 Email: CustomerService@sae.org  
 http://www.sae.org

SAE WEB ADDRESS:

**SAE values your input. To provide feedback  
 on this Technical Report, please visit  
<http://standards.sae.org/AS7928C>**

## 2. REFERENCES

### 2.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of the other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

#### 2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), [www.sae.org](http://www.sae.org).

AMS1424	Fluid, Aircraft Deicing/Anti-Icing Fluid, Aircraft, SAE Type I
AMS2403	Plating, Nickel General Purpose
AMS2404	Plating, Electroless Nickel
AIR1351	Manufacturers' Identification of Aerospace Electrical and Electronic Wiring Devices and Accessories
ARP6807	Guide for Identification of Terminal Lugs in Electrical Wiring Interconnect Systems (EWIS)
ARP9013	Statistical Product Acceptance Requirements
AS1241	Fire Resistant Phosphate Ester Hydraulic Fluid for Aircraft
AS7928/1*	Terminals, Lug and Splices, Conductor, Crimp Style, Copper Terminal, Lug, Crimp Style, Copper, Insulated, Ring Tongue, for Thin Wall Wire, Type II Class 1 for 105 °C Total Conductor Temperature
AS7928/2*	Terminals, Lug and Splices, Conductor, Crimp Style, Copper, Insulated, Rectangular Tongue, for Thin Wall Wire, Type II, Class 1 for 105 °C Total Conductor Temperature
AS7928/4*	Terminals, Lug and Splices, Conductor, Crimp Style, Copper Terminal, Lug, Insulated, Ring Tongue, Bell-Mouthed, Type II, Class 1 (for 150 °C Total Conductor Temperature)
AS7928/5*	Terminals, Lug and Splices, Conductor, Crimp Style, Splice, Electric (Permanent, Type II, Class 1) for 105 °C Total Conductor Temperature
AS7928/6*	Terminals, Lug and Splices, Conductor, Crimp Style, Splice, Electric (Permanent, Type II, Class 1) for 150 °C Total Conductor Temperature
AS7928/7*	Terminal Lug and Splices, Conductor, Crimp Style, Copper, Terminal Lug, Crimp Style, Copper, Uninsulated, Ring Tongue Type I, Class 1 for 175 °C Total Conductor Temperature
AS7928/8*	Terminals, Lug And Splices, Conductor, Crimp Style, Copper Terminal, Lug, Crimp Style, Copper, Insulated, Ring Tongue, For Thin Wall Wire, Tin Whisker Resistant, Type II Class 1 For 105 °C Total Conductor Temperature
AS7928/9*	Terminals, Lug And Splices, Conductor, Crimp Style, Copper, Insulated, Rectangular Tongue, Tin Whisker Resistant For Thin Wall Wire, Type II, Class 1 For 105 °C Total Conductor Temperature
AS7928/10*	Terminals, Lug And Splices, Conductor, Crimp Style, Splice, Electric, Tin Whisker (Permanent, Type II, Class 1) For 105 °C Total Conductor Temperature

AS7928/11*	Terminal, Lug, Crimp Style, Copper, Uninsulated, Ring Tongue, Tin Whisker Resistant, Type I, Class I, For 175 °C Total Conductor Temperature
AS7928/12*	Terminal, Lug, Crimp Style, Copper, Insulated, Ring Tongue, Bell-Mouthed, Tin Whisker Resistant, Type II, Class 1, (For 105 °C Total Conductor Temperature)
AS7928/13*	Terminals, Lug And Splices, Conductor, Crimp Style, Copper Terminal, Lug, Insulated, Tin Whisker Resistant, Ring Tongue, Bell-Mouthed, Type II, Class 1 (For 105 °C Total Conductor Temperature)
AS7928/14*	Terminal, Electric, Permanent, Crimp Style, In-Coated Copper, Insulated, Environment Resistant, Class 1, 150 °C, Heatless Sealing
AS7928/15*	Terminal, Lug, Uninsulated, Flag Type, Crimp Style, Copper, Size 22-10, Class I
AS17143*	Terminal, Lug, Crimp Style, Copper, Insulated, Rectangular Tongue, Type II, Class 1 for 105 °C Total Conductor Temperature
AS20659*	Terminal, Lug, Crimp Style, Copper, Uninsulated, Ring Tongue, Type I, Class 1, for 175 °C or 260 °C Total Conductor Temperature
AS21004*	Terminal, Lug, Uninsulated, Rectangular Tongue, Crimp Style, Copper, Type I, Class 1 for 175 °C Total Conductor Temperature
AS25036*	Terminal, Lug, Crimp Style, Copper, Insulated, Ring Tongue, Bell-Mouthed, Type II, Class 1 (for 105 °C Total Conductor Temperature)
AS25189*	Terminal, Lug, Crimp Style, Copper, Uninsulated, Flag Tongue, Sizes 8-0000, Type I, Class I, for 150 °C Total Conductor Temperature
AS25274*	Cap, Electrical (Wire End, Crimp Style, Type II, Class 1) for 105 °C Total Conductor Temperature
AS29606	Wire, Electrical, Stranded, Uninsulated Copper, Copper Alloy, or Aluminum, or Thermocouple Extension, General Specification For
AS50881	Wiring Aerospace Vehicle
GEIA-STD-0005-2	Standard For Mitigating The Effects Of Tin Whiskers In Aerospace And High Performance Electronic Systems

\* AS7928 detail specification

## 2.1.2 U.S. Government Publications

Copies of these documents are available online at <https://quicksearch.dla.mil>.

FED-STD-H28	Screw-Threads Standards for Federal Services
MIL-HDBK-454	General Guidelines for Electronic Equipment
MIL-DTL-5624	Turbine Fuel, Aviation, Grades JP-4 and JP-5
MIL-DTL-83133	Turbine Fuels, Aviation, Kerosene Types, NATO F-34 (JP-8), NATO F-34, and JP-8+100 (NATO F-37)
MIL-PRF-7808	Lubricating Oil, Aircraft Turbine Engine, Synthetic Base