

TE Connectivity  
Producción #14080  
Parque Internacional Industrial Tijuana  
22454 Tijuana, B.C., México



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July 8th, 2024

**Attn:** Purchasing and Quality Departments  
**Subject:** Notice of Escape 24-026 – Stop Shipment

Dear Valued Customer,

We regret to send this notice of escape (NOE) on Shield Terminator Devices under SAE AS83519/1, AS83519/2, and TE Connectivity RT-1404, covering the following TE part number families:

M83519/1-1 through -5	S01-XX-R, S01-XX-RCS453, S01-XX-RCS4531
MS83519/2-1 through -20	S02-XX-R, S02-XX-RCS453, S02-XX-RCS4531
TE Connectivity	S01-XX-RCS2811, S01-XX-RCS380, S01-XX-RCS918, S01-XX-CS9376, S02-XX-R-XX, S02-XX-R-S, S02-XX-R-90-65-T, S02-XX-R-90-120, S02-XX-W1-GA-XX-100, S02-XX-R-XXCS816, S02-XX-RCS2811, S02-XX-RCS9376, S02-XX-R-9CS925, S02-XX-R-XXCS926, S02-XX-R-XXCS928, S02-XX-R-XXCS1092, S02-XX-R-XXCS1093, S02-XX-R-90-120CS2811, S02-XX-W2-GA-CL-100CS2870, S02-XX-W2-GA-CL-100-CS4149. MK-0015, HRM/01, HRM/02

Our records indicate that your company has purchased affected parts. Please see Appendix A (attached) for a list of part numbers currently under investigation. We are reviewing Shield Terminator Devices with manufacture dates from April 8, 2020 through July 6, 2024, and will send final information about scope once the evaluation is complete. We have determined that there is potential impact to products already in the field.

Because it is possible that affected products have already been installed, we are performing additional testing intended to determine the potential impact on the performance of Shield Terminators in the field or final application. Please refer to the Risk Assessment section below for details.

### **Description of Non-Compliance**

During qualification testing for a material change (pigment), some test articles failed to meet the requirements of test groups V and VII when tested for Insulation Resistance after being exposed to Altitude Immersion and Moisture Resistance.

The qualification of material change (pigment) for Shield Terminators included test group V (Altitude Immersion), VI (Temperature Cycling), VII (Moisture Resistance), VIII (Fluid Immersion) and IX (Heat Aging) in accordance with SAE AS83519. Test articles successfully met the requirements outlined for test groups VI, VIII and IX. All tested articles have passed Dielectric Withstanding Voltage. See Table 1 on next page for results.

**Table 1. Insulation Resistance Test Results**

Group	Test	M833519/1-1	M83519/1-3	M83519/1-5
V	Altitude Immersion	Pass	Fail	Fail
VI	Temperature Cycling	Pass	Pass	Pass
VII	Moisture Resistance	Pass	Fail	Fail
VIII	Fluid Immersion	Pass	Pass	Pass
IX	Heat Aging	Pass	Pass	Pass

TE Connectivity (TE) is also qualified to other slash sheets within the SAE AS83519 specification. The construction and materials used in products covered by these slash sheets are different. AS83519/3 and /5 do not contain a preinstalled insulated wire lead. Instead, AS83519/3 and /5 contain a pre-installed uninsulated braid, which is not subject to the Insulation Resistance test. The sealing capability is measured by an Air Pressure test while test articles are submerged in a water bath. Testing has shown that AS83519/3 and /5 meet the SAE AS83519 specification requirements.

### **Containment and Corrective action**

TE Connectivity (TE) has taken containment actions to mitigate the impact of this issue, including:

- Segregated raw material in quarantine area at manufacturing site
- Segregated finished goods in-stock and work-in-progress at quarantine area
- Stopped shipments to all customers

We are in the process of conducting a thorough investigation of the issue, and you can expect an update as soon as testing is complete.

### **Disposition of Non-Conformity**

As a next step, we advise you to take the following actions with the non-conforming material:

- Please quarantine inventory at location and await further instructions TE
- Please forward this notification to your customers who may be affected

### **Risk Assessment**

We are performing additional testing intended to determine the potential impact on the performance of Shield Terminators in the field or final application. Testing will consist of the following:

1. Voltage Drop and Tensile Strength: Test intended to determine the impact on electrical and mechanical performance
2. Visual inspection of soldered connection: Test intended to determine any signs of corrosion on the soldered connection
3. Accelerated Aging: Test intended to determine product service life



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When testing is complete, we will provide a Technical Report to assist you with your risk assessment. We also recommend that final users evaluate risk based on where components are installed, and the expected harsh environment they will endure during service.

### **Qualified Products List (QPL) Products Are Affected**

TE has notified the Qualifying Agency, NAVAIR, of the issue and voluntarily placed all potentially affected part numbers on ship hold.

If your product is ultimately destined for the U.S. Government and you wish to use the existing inventory upon completion of your risk assessment, TE can assist you with your waiver application to the Contracting Officer for the Program.

Otherwise, please quarantine inventory pending final information about the scope of this NOE.

### **Future Communication**

We will contact you with further information by August 15, 2024. We recommend that you forward this notification to your customers who may be affected.

We apologize for any inconvenience this issue may cause. TE is committed to providing our customers with high quality products and solutions, and we are grateful for your business.

Sincerely,

Ruben Ortega  
Plant Quality Manager, Tijuana