





# PRODUCT SPECIFICATION



LANGUAGE

ENGLISH

## 1. SCOPE

This specification covers the .187 MP-Lock Flag Terminal.

## 2. PRODUCT DESCRIPTION

### 2.1 PRODUCT NAME AND PART NUMBER

PRODUCT NAME	PART NUMBER	REMARK
.187 MP-LOCK FLAG TERMINAL	35418-9002	0.5t TAB FIT

### 2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

{See the appropriate Sales Drawings for information on dimensions, materials, platings, and markings.}

## 3. APPLICABLE DOCUMENTS AND SPECIFICATIONS

{See the Sales Drawings and the other sections of this Specification for the necessary referenced documents and specifications.}

## 4. RATINGS

### 4.1 VOLTAGE

300 Volts AC (RMS) {or 300 Volts DC}

### 4.2 CURRENT

AWG	Amps
#22	3A
#20	5A
#18	7A
#16	12A

### 4.3 TEMPERATURE

-40°C - 105°C

REVISE ON PC ONLY		TITLE	.187 MP-LOCK FLAG TERMINAL
A	NEW RELEASED		
REV	DESCRIPTION		
DOCUMENT NO. PS-35418-9002		FILE NAME PS35418A.SAM	SHEET 2
ES-40000-3996 REV. A SHEET 4 95/MAR/10 EC U5-0926 DCBRD03.SAM			



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## 5. PERFORMANCE

### 5.1 ELECTRICAL PERFORMANCE

ITEM	TEST CONDITION	REQUIREMENT
CONTACT RESISTANCE (LOW LEVEL)	Mate Connectors with a maximum voltage of 20mV and a current of 10mA.	30 milliohms MAXIMUM (initial)

### 5.2 MECHANICAL PERFORMANCE

ITEM	TEST CONDITION	REQUIREMENT
Mate and Unmate Forces with Tab	Mate and unmate terminal at a rate of 25±6mm per minute.	Insertion Force : 3.5Kg.f Max. Withdrawal Force : 0.6 - 2.0 Kg.f
Strength of Terminal Locking	Mate the terminal & tab, and apply the force by pulling axially the cable. Strength is determined when locking device disengages locking, or is broken by the load.	Initial : 6.0Kg.f Min. 10th : 4.0Kg.f Min.
Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25±6mm per minute.	AWG #22 : 4Kg Min. AWG #20 : 6Kg Min. AWG #18 : 10Kg Min. AWG #16 : 13Kg Min.
Durability	Mate connectors up to 10cycles at a maximum rate of 10cycles per minute prior to Environmental Tests.	Contact Resistance : 10milliohms Max. (change from initial)
Vibration	Mate connectors and vibrate : Amplitude : 1.5mm peak-to-peak Sweep : 10-55-10 Hz in 1 minute. Duration : 2 hours in each X-Y-Z axis.	- Contact Resistance : 10milliohms Max. (change from initial) - Discontinuity : 1 microsecond Max.

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## 5.3 ENVIRONMENTAL PERFORMANCE

ITEM	TEST CONDITION	REQUIREMENT
Temperature Rise	Mate connectors ; measure the temperature rise at the rated current after 96 hours.	30°C MAXIMUM
Salt Spray	Mate connectors ; Duration : 48 hours exposure Atmosphere : salt spray from a 5% solution Temperature : 35 +1/-2°C	- Contact Resistance : 10 milliohms Max. (change from initial) - Appearance : No Damage

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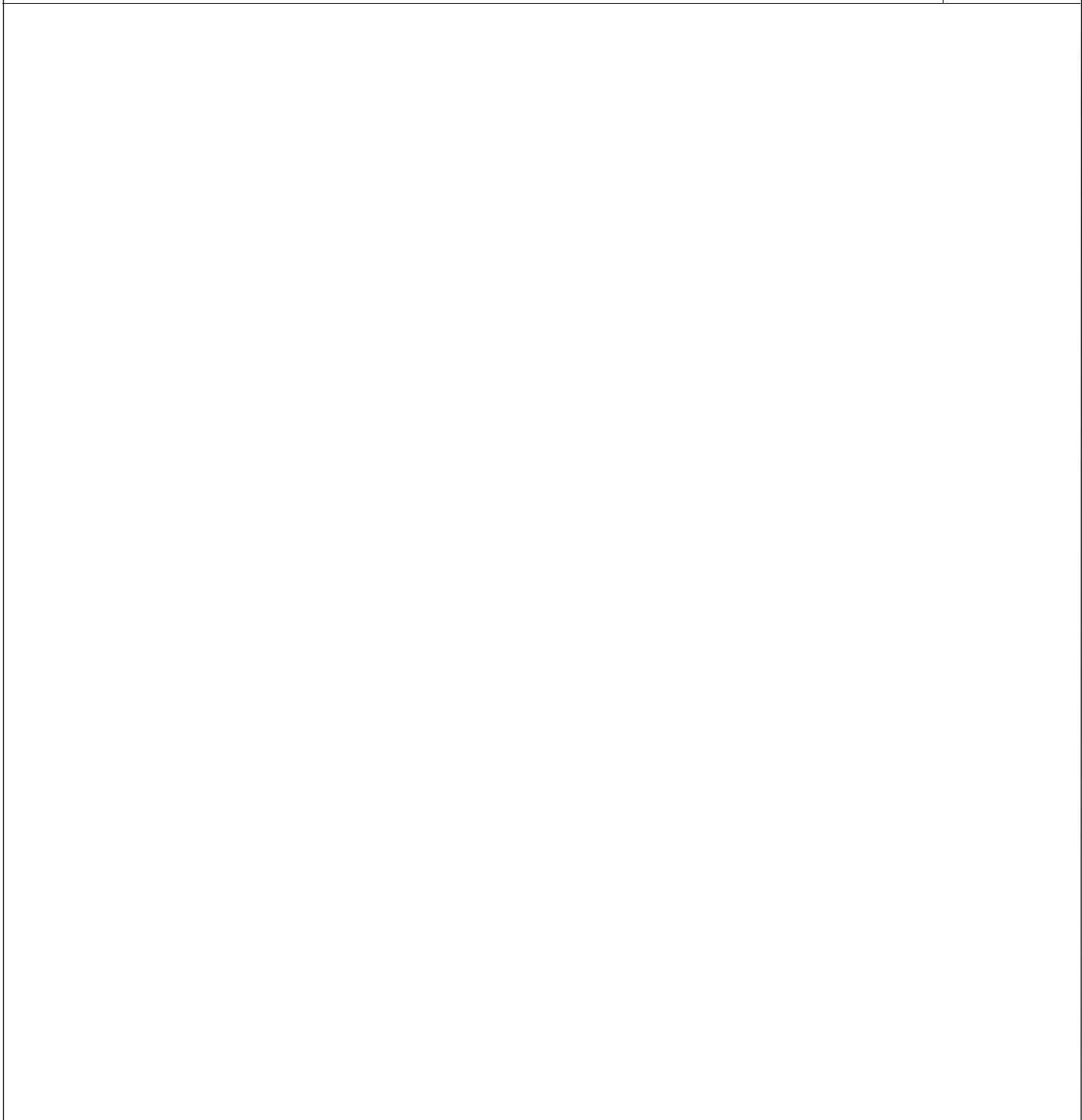


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