

# MATERIALS & SPECIFICATIONS

## HOUSING:

ALUMINUM 6061-T6, NICKEL PLATE  
PER AMS-C-26074

## INSULATOR:

LIQUID CRYSTAL POLYMER (LCP) PER  
ASTM D5138

## CONTACT:

BERYLLIUM COPPER PER ASTM B194,  
C17200, GOLD PLATED PER ASTM  
B488, (HARD GOLD) TYPE II CODE C,  
CLASS 1.27

## WIRE:

NEMA HP3 TYPE ET, COLOR CODED  
IAW MIL-STD-681, SYSTEM 1, USING  
TEN SOLID REPEATING COLORS

## HARDWARE:

303 STAINLESS STEEL PER ASTM 582

## CURRENT RATING:

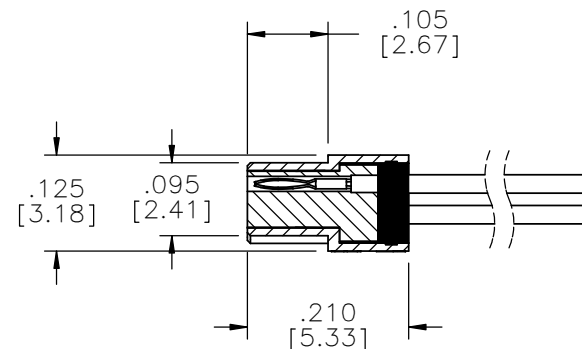
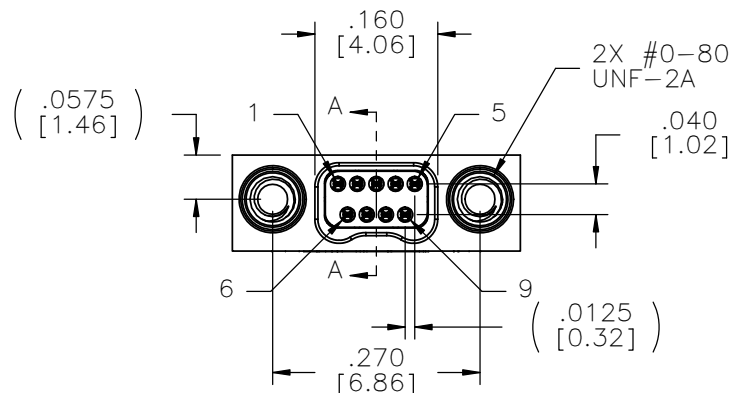
1 AMP MAX PER MIL-DTL-32139

## CONTACT RESISTANCE:

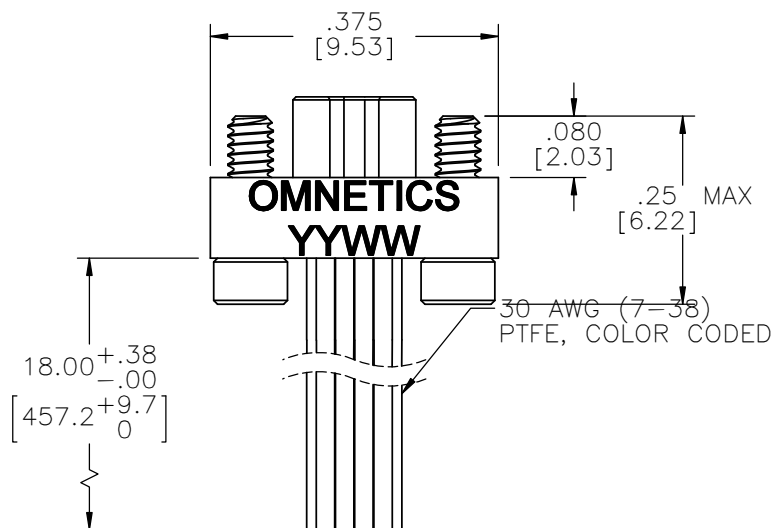
71 MILLIOHM MAX (71mV DROP MAX)  
@ 1.0 AMPS PER MIL-DTL-32139

## PERFORMANCE:

PRODUCT FAMILY TESTED TO AND  
PASSED THE PERFORMANCE  
SPECIFICATIONS OF TABLE VIII OF  
MIL-DTL-32139



SECTION A-A  
VIEW LESS HARDWARE



ACTUAL SIZE  
EXCLUDING WIRE LENGTH

INTERNAL USE ONLY

SHEET 2 OF 2 IS A  
MFG LOADING DIAGRAM

PIN #	COLOR
1	BLACK
2	BROWN
3	RED
4	ORANGE
5	YELLOW
6	GREEN
7	BLUE
8	VIOLET
9	GRAY

THIRD ANGLE	TOLERANCES
UNLESS OTHERWISE NOTED	
DIMENSIONS IN INCHES	
2 PL DEC ± .01	
3 PL DEC ± .005	
4 PL DEC ± .0005	
ANGLES ± 1°	

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DFTM. AAS	DATE 05-05-04
CHK'D.	DATE
APP'D.	DATE

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CAGE CODE 61873
DWG NO. A28000-009
SHEET 1 OF 2
SCALE: 4:1

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