

MATERIALS & SPECIFICATIONS

HOUSING & BACKSHELL:

ALUMINUM 6061, NICKEL PLATE (500 MICROINCHES MINIMUM) PER SAE-AMS-2404

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

BAND-IT CLAMP:

300 SERIES SST/PASSIVATE

HARDWARE:

303 STAINLESS STEEL PER ASTM 582

BRAID:

TINNED COPPER PER MIL SPEC PER QQ-B-575 & OR A-A-59569

SHRINK TUBE:

PER MIL-1-23053/5 CLASS 1

CURRENT RATING:

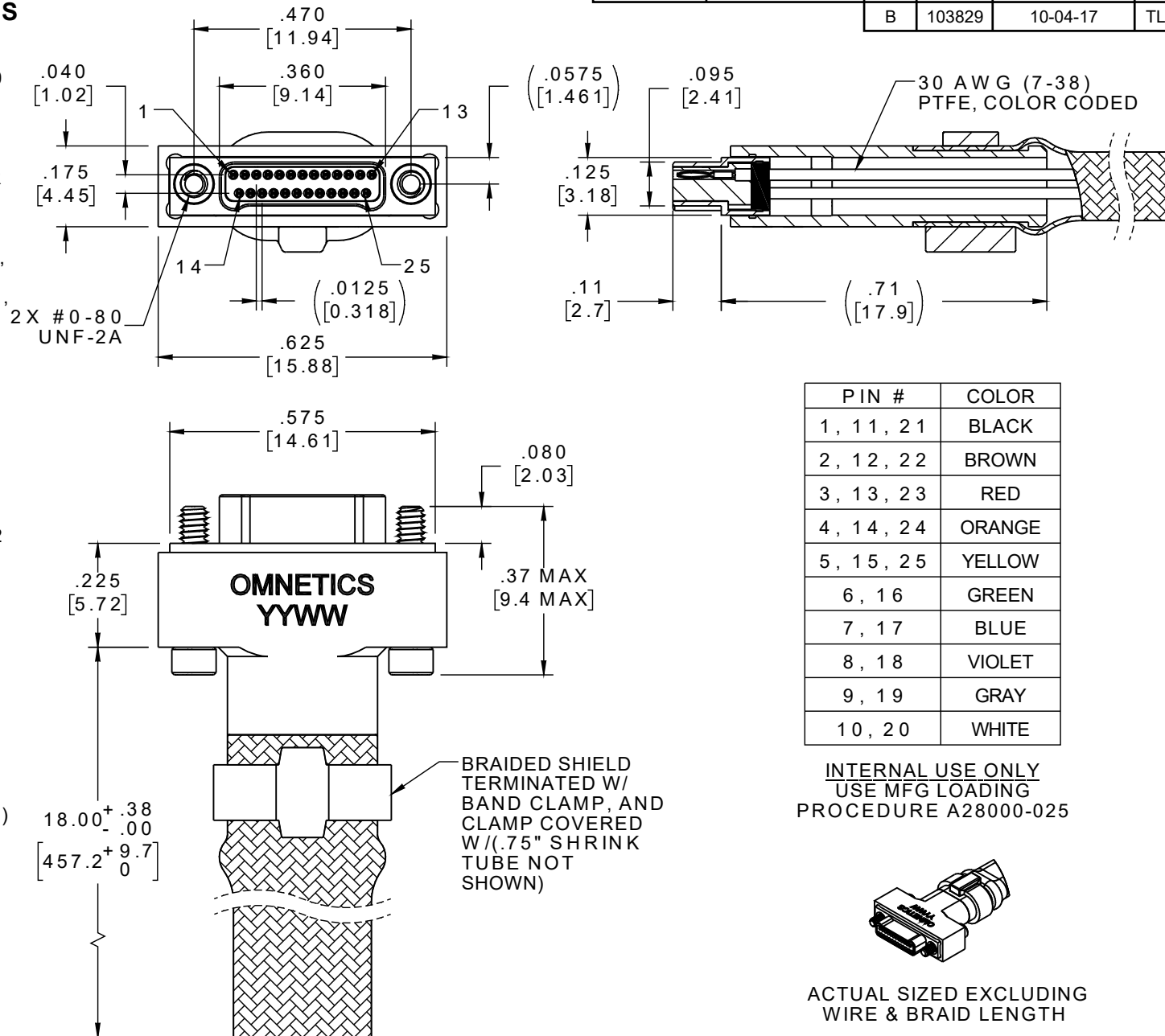
1 AMP MAX PER MIL-DTL-32139

CONTACT RESISTANCE:

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

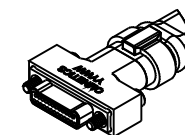
PERFORMANCE:

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



PIN #	COLOR
1, 11, 21	BLACK
2, 12, 22	BROWN
3, 13, 23	RED
4, 14, 24	ORANGE
5, 15, 25	YELLOW
6, 16	GREEN
7, 17	BLUE
8, 18	VIOLET
9, 19	GRAY
10, 20	WHITE

INTERNAL USE ONLY
USE MFG LOADING
PROCEDURE A28000-025



ACTUAL SIZED EXCLUDING
WIRE & BRAID LENGTH

NOTE:

DIMENSIONS IN [] ARE IN MILLIMETERS UNLESS OTHERWISE NOTED AND ARE FOR REFERENCE ONLY

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. HV	DATE	TITLE:
CHK'D.	03-28-16	(25) PIN MALE
APP'D.		Bi-Lobe® W/JACKSCREWS AND BACKSHELL

OMNETICS
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MINNEAPOLIS, MN 55432
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CAGE CODE 61873	REV
DWG NO. A43090-025	B
SHEET 1 OF 1	
SCALE: 3:1	