

MATERIALS & SPECIFICATIONS

HOUSING:

ALUMINUM 6061-T6, NICKEL PLATE
PER SAE-AMS-2404

INSULATOR:

LIQUID CRYSTAL POLYMER (LCP) PER
ASTM D5138

CONTACT:

COPPER ALLOY PER MIL-DTL-32139,
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:

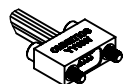
1 AMP MAX PER MIL-DTL-32139

CONTACT RESISTANCE:

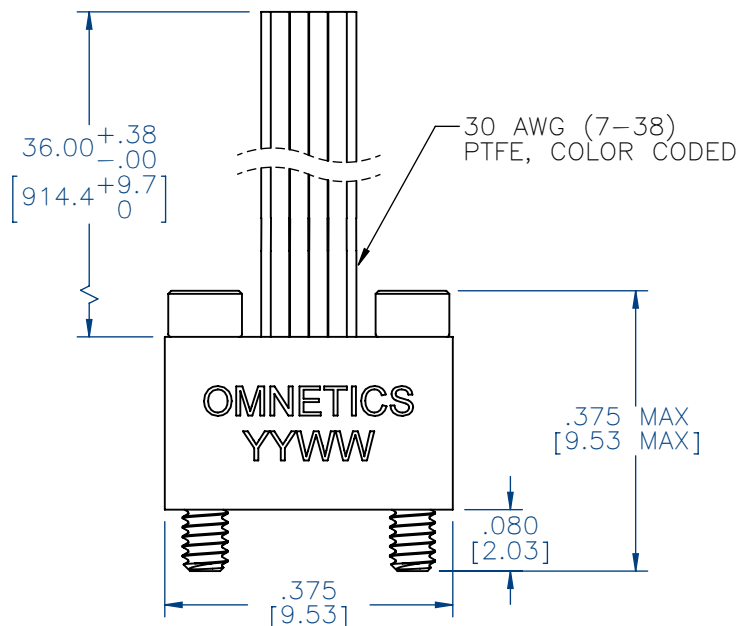
71 MILLIOHM MAX (71mV DROP MAX)
@ 1.0 AMPS PER MIL-DTL-32139

PERFORMANCE:

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



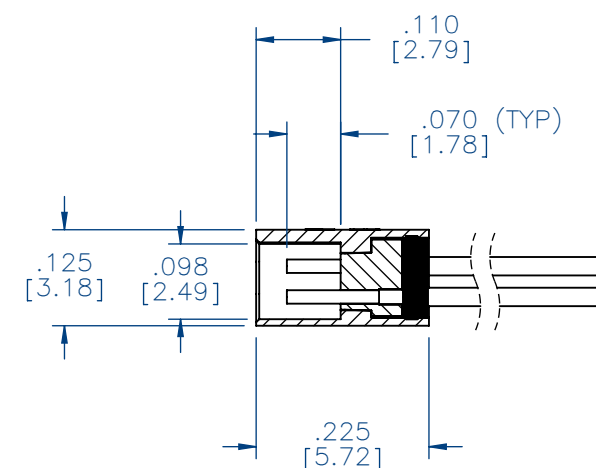
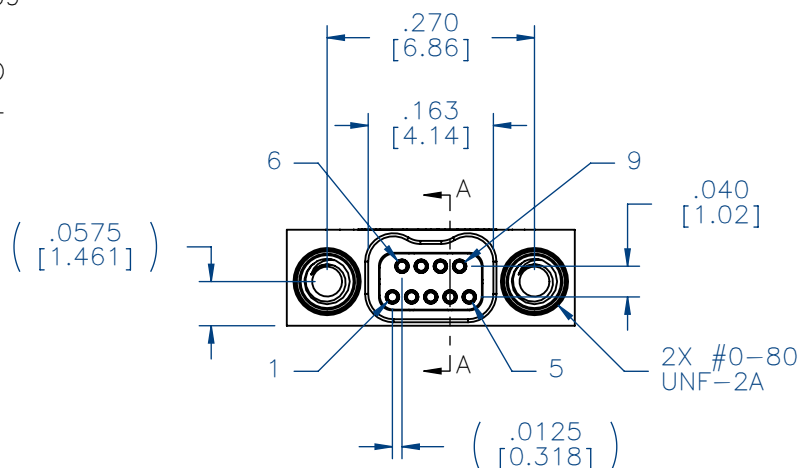
ACTUAL SIZE
EXCLUDING WIRE LENGTH



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

INTERNAL USE ONLY

SHEET 2 OF 2 IS A
MFG LOADING DIAGRAM



SECTION A-A
VIEW LESS HARDWARE

NOTE:

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

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

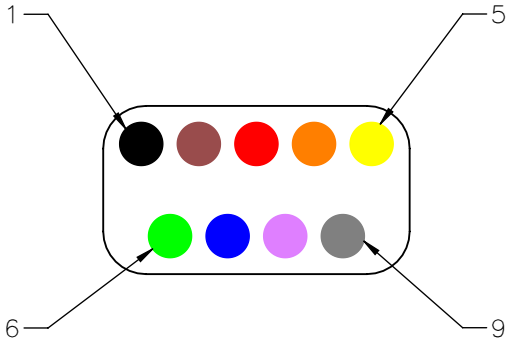
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DFTM. TLM	DATE 08-22-12
CHK'D.	DATE
APP'D.	DATE

TITLE:
(09) SOCKET FEMALE
Bi-Lobe® CONNECTOR

OMNETICS
CONNECTOR CORPORATION
7260 COMMERCE CIRCLE EAST
MINNEAPOLIS, MN 55432
WWW.OMNETICS.COM

CAGE CODE 61873	
DWG NO. A29036-109	
SHEET 1 OF 2	REV A
SCALE: 4:1	

PART NO.	A29036-109	REV	ECO	DATE	APP
		A	98851	09-05-12	TLM



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

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	—TOLERANCES— UNLESS OTHERWISE NOTED					
	DIMENSIONS IN INCHES	DFTM. TLM	DATE 08-22-12	TITLE: (09) SOCKET FEMALE Bi-Lobe® CONNECTOR -	DWG NO. A29036-109	
	2 PL DEC±.01 3 PL DEC±.005 4 PL DEC±.0005 ANGLES ± 1°	CHK'D.	DATE			
		APP'D.	DATE		SHEET 2 OF 2	REV A
					SCALE: 12:1	

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MINNEAPOLIS, MN 55432
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