

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

CURRENT RATING:

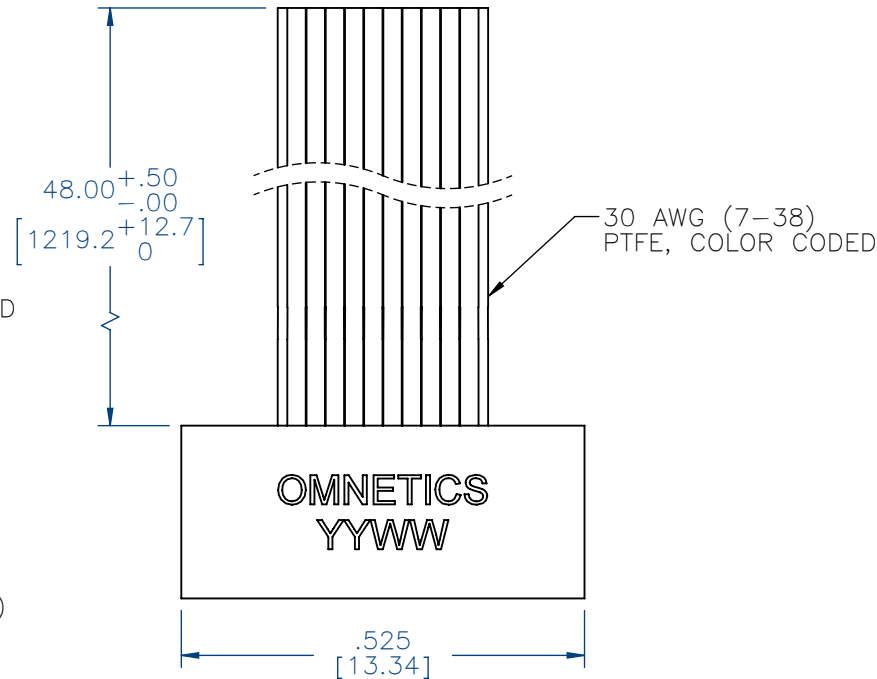
1 AMP MAX PER MIL-DTL-32139

CONTACT RESISTANCE:

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

PERFORMANCE:

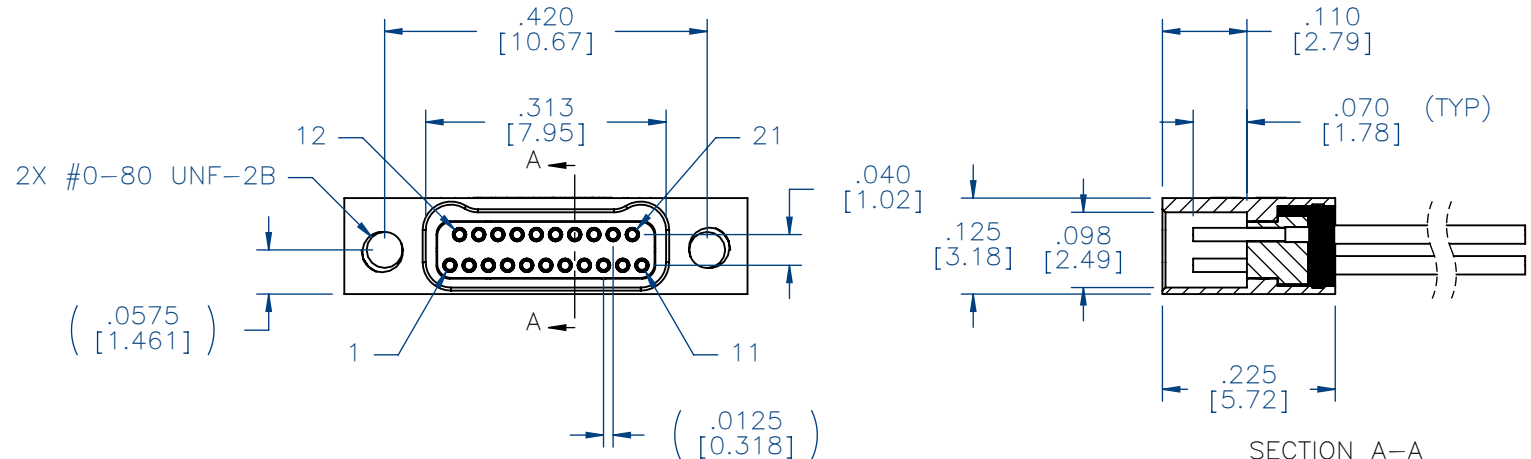
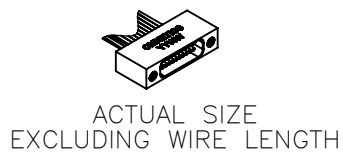
PRODUCT FAMILY TESTED TO AND
PASSED THE PERFORMANCE
SPECIFICATIONS OF TABLE VIII OF
MIL-DTL-32139.



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

INTERNAL USE ONLY

SHEET 2 OF 2 IS A
MFG LOADING DIAGRAM



NOTE:

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

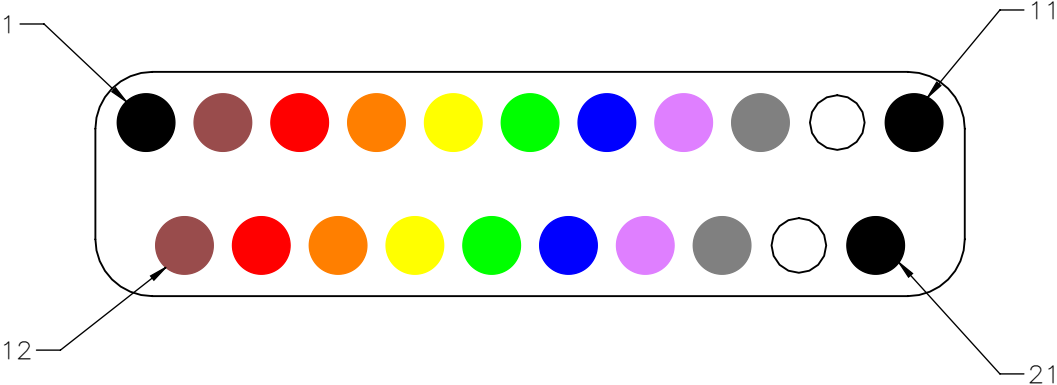
MNSO	THIRD ANGLE	
	-TOLERANCES-	
	UNLESS OTHERWISE NOTED	
	DIMENSIONS IN INCHES	
2	PL DEC	± .01
3	PL DEC	± .005
4	PL DEC	± .0005
	ANGLES ± 1°	

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DFTM. TLM	DATE	TITLE:	
CHK'D.	04-13-13	(21) SOCKET FEMALE	
APP'D.		Bi-Lobe® CONNECTOR	

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

CAGE CODE	61873
DWG NO.	A29048-021
SHEET 1 OF 2	REV A
SCALE: 4:1	

PART NO.	A29048-021	REV	ECO	DATE	APP
		A	99440	04-13-13	TLM



SOCKET #	COLOR
1, 11, 21	BLACK
2, 12	BROWN
3, 13	RED
4, 14	ORANGE
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7, 17	BLUE
8, 18	VIOLET
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10, 20	WHITE

MNSO SLDW	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. TLM	DATE 04-13-13
CHK'D.	DATE
APP'D.	DATE

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

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

CAGE CODE 61873	REV
DWG NO. A29048-021	A
SHEET 2 OF 2	
SCALE: 16:1	