

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

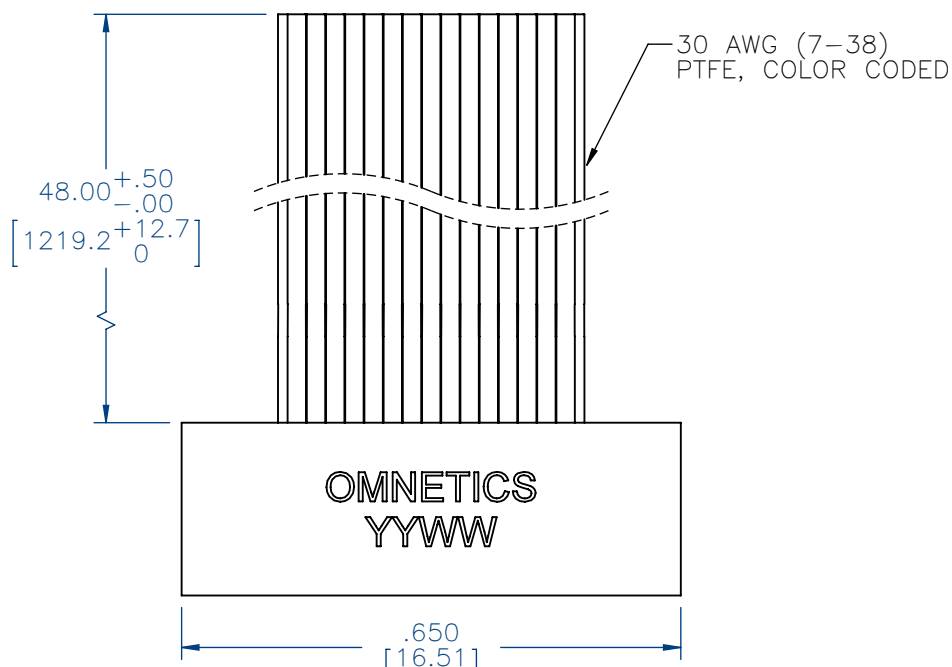
CONTACT RESISTANCE:

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.

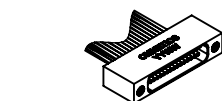
PART NO.	A29048-031	REV	ECO	DATE	APP
		A	99440	04-13-13	TLM



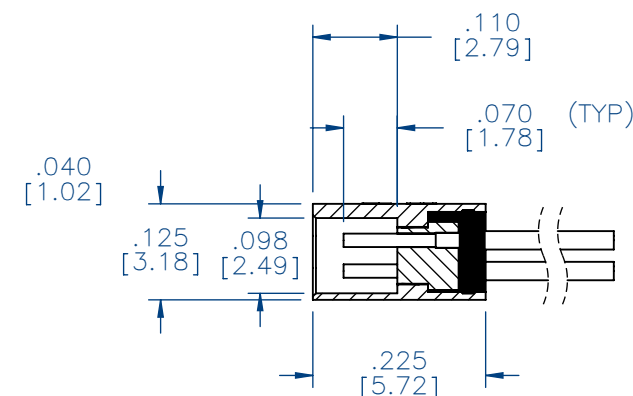
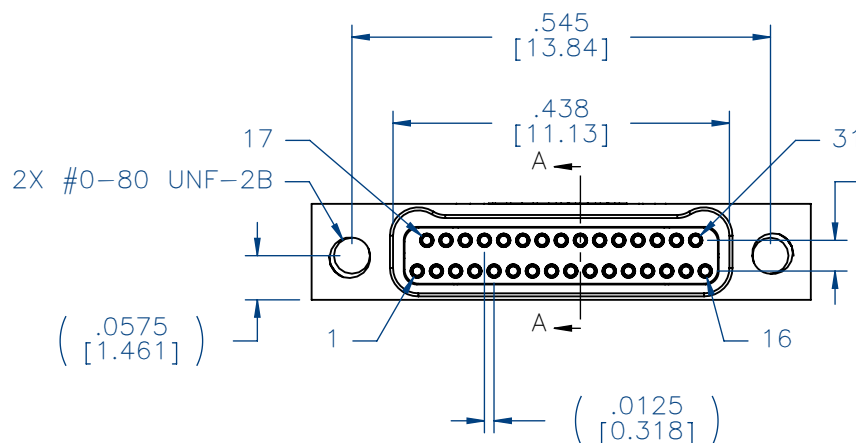
SOCKET #	COLOR
1, 11, 21, 31	BLACK
2, 12, 22	BROWN
3, 13, 23	RED
4, 14, 24	ORANGE
5, 15, 25	YELLOW
6, 16, 26	GREEN
7, 17, 27	BLUE
8, 18, 28	VIOLET
9, 19, 29	GRAY
10, 20, 30	WHITE

INTERNAL USE ONLY

SHEET 2 OF 2 IS A
MFG LOADING DIAGRAM



ACTUAL SIZE
EXCLUDING WIRE LENGTH



SECTION A-A

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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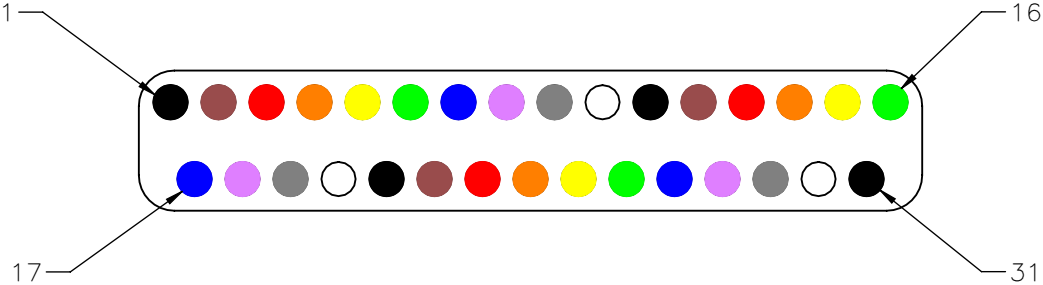
DFTM. TLM	DATE
CHK'D.	04-13-13
APP'D.	DATE

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

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

CAGE CODE 61873	REV
DWG NO. A29048-031	A
SHEET 1 OF 2	SCALE: 4:1

PART NO.	A29048-031	REV	ECO	DATE	APP
		A	99440	04-13-13	TLM



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MNSO SLDW	THIRD ANGLE 	THIS DRAWING CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF OMNETICS CONNECTOR CORP. THIS DOCUMENT MAY NOT, IN WHOLE OR IN PART, BE DUPLICATED, OR DISCLOSED FOR ANY PURPOSE, WITHOUT WRITTEN PERMISSION FROM OMNETICS CONNECTOR CORP.				 OMNETICS CONNECTOR CORPORATION 7260 COMMERCE CIRCLE EAST MINNEAPOLIS, MN 55432 WWW.OMNETICS.COM	CAGE CODE 61873	
	—TOLERANCES— UNLESS OTHERWISE NOTED						DWG NO. A29048-031	
	DIMENSIONS IN INCHES	DFTM. TLM	DATE	TITLE:	SHEET 2 OF 2		REV A	
	2 PL DEC±.01 3 PL DEC±.005 4 PL DEC±.0005 ANGLES ± 1°	CHK'D.	DATE	(31) SOCKET FEMALE Bi-Lobe® CONNECTOR				
		APP'D.	DATE	-	SCALE: 10:1			