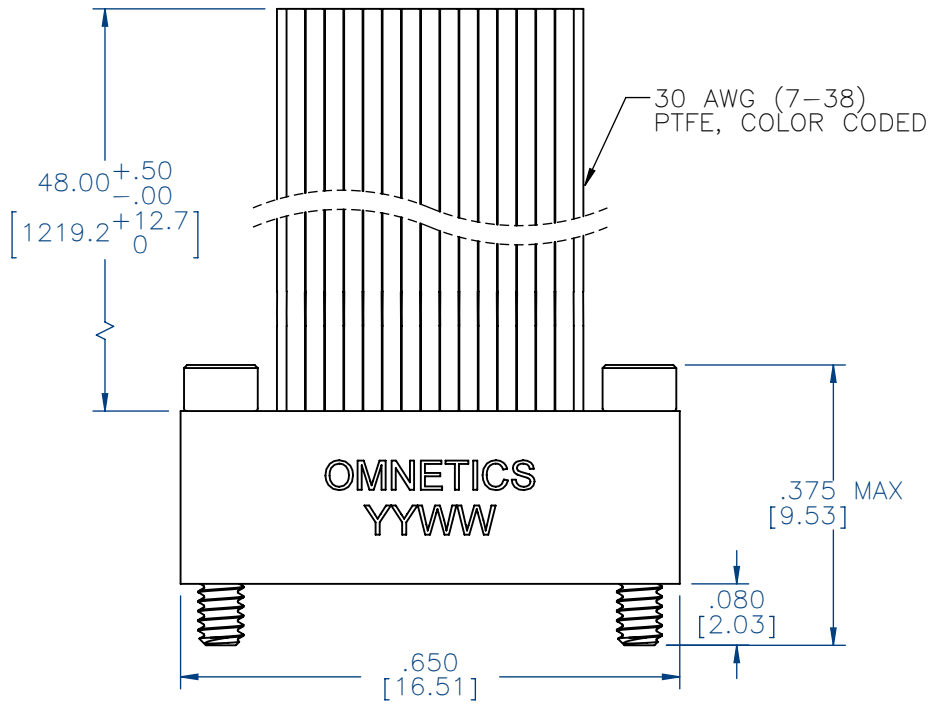


# MATERIALS & SPECIFICATIONS

PART NO.	A29048-131	REV	ECO	DATE	APP
		A	99441	04-13-13	TLM

- 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

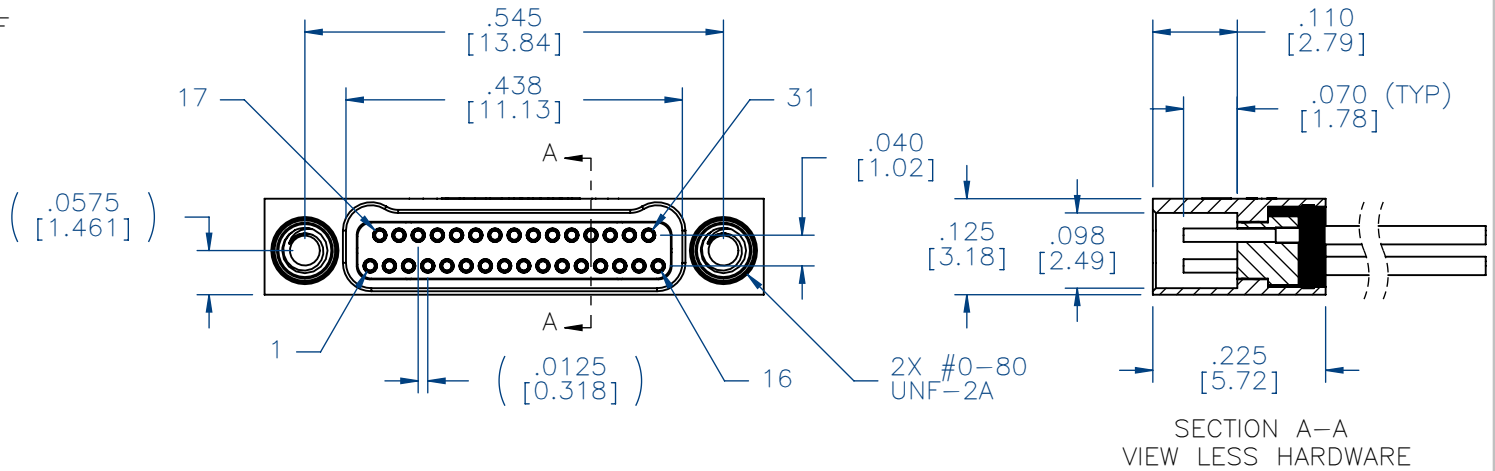
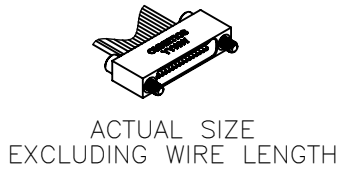


SOCKET #	COLOR
1, 11, 21, 31	BLACK
2, 12, 22	BROWN
3, 13, 23	RED
4, 14, 24	ORANGE
5, 15, 25	YELLOW
6, 16, 26	GREEN
7, 17, 27	BLUE
8, 18, 28	VIOLET
9, 19, 29	GRAY
10, 20, 30	WHITE

INTERNAL USE ONLY

---

SHEET 2 OF 2 IS A  
MFG LOADING DIAGRAM



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

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

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DFTM. TLM DATE 04-13-13 TITLE: (31) SOCKET FEMALE  
Bi-Lobe® CONNECTOR

CHK'D. DATE

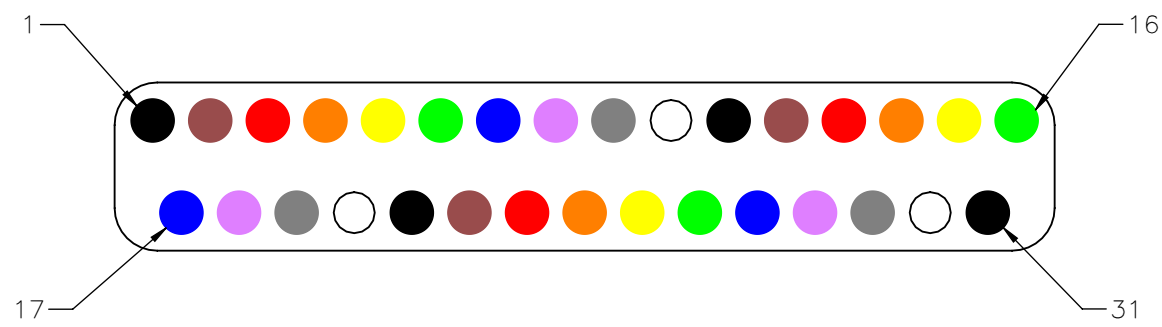
APP'D. DATE

**OMNETICS**  
CONNECTOR CORPORATION

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

CAGE CODE	61873
DWG NO.	A29048-131
SHEET 1 OF 2	REV A
SCALE:	4:1

PART NO.	A29048-131	REV	ECO	DATE	APP
		A	99441	04-13-13	TLM



SOCKET #	COLOR
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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.	DATE 04-13-13	TITLE: (31) SOCKET FEMALE Bi-Lobe® CONNECTOR	 <b>OMNETICS</b> CONNECTOR CORPORATION 7260 COMMERCE CIRCLE EAST MINNEAPOLIS, MN 55432 WWW.OMNETICS.COM	CAGE CODE <b>61873</b>	
	-TOLERANCES-					DFTM. TLM	DWG NO. <b>A29048-131</b>
	UNLESS OTHERWISE NOTED					CHK'D.	SHEET 2 OF 2
	DIMENSIONS IN INCHES					APP'D.	SCALE: 12:1
2 PL DEC ± .01		REV A					
3 PL DEC ± .005							
4 PL DEC ± .0005							
ANGLES ± 1°							