

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

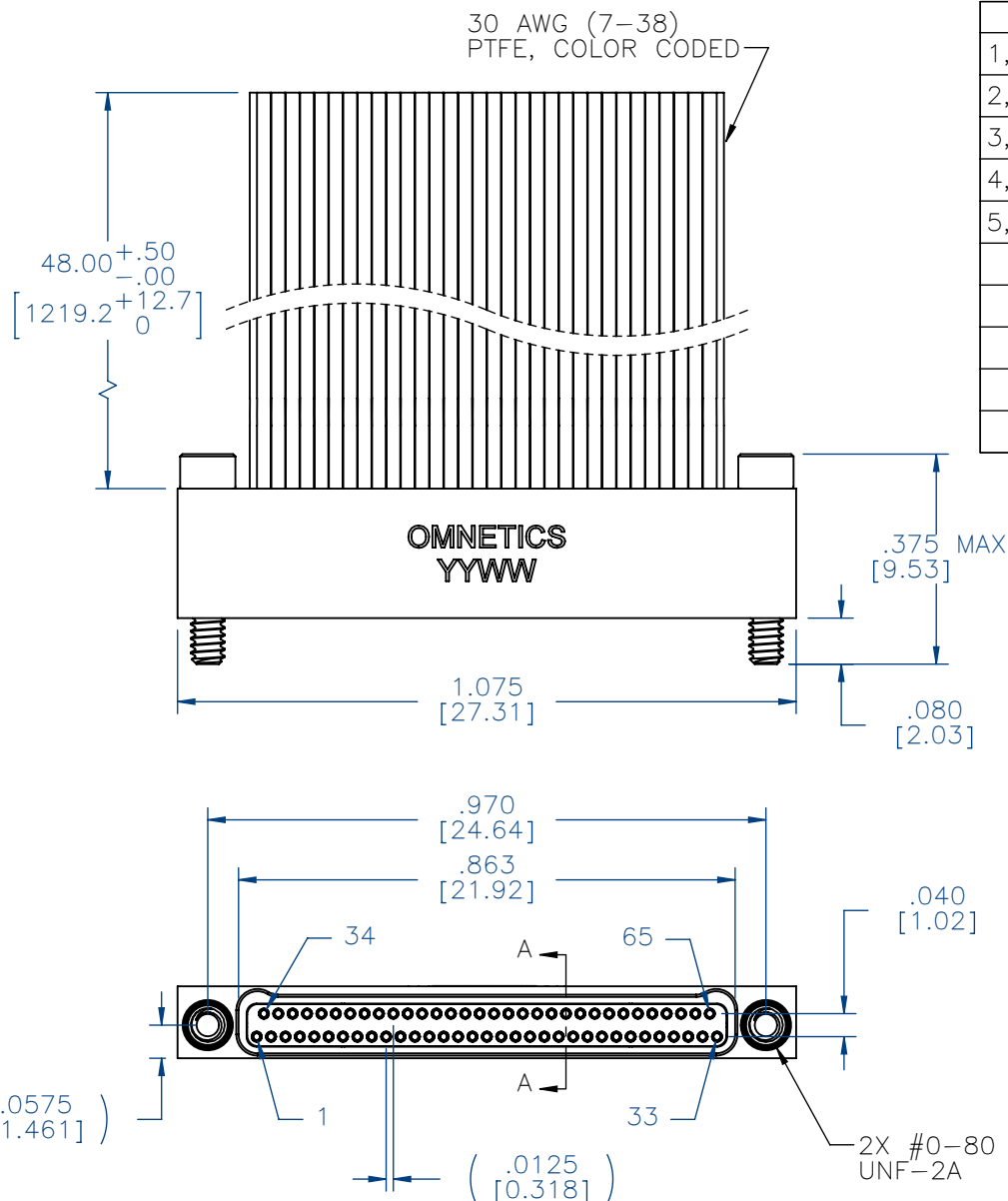
WIRE:
NEMA HP3 TYPE ET,
COLOR CODED IAW MIL-
STD-681, SYSTEM 1,
USING TEN SOLID
REPEATING COLORS

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

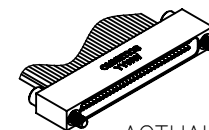
PERFORMANCE:
PRODUCT FAMILY TESTED
TO AND PASSED THE
PERFORMANCE
SPECIFICATIONS OF TABLE
VIII OF MIL-DTL-32139



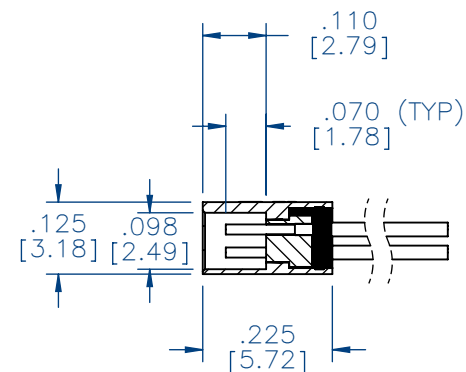
SOCKET #	COLOR
1, 11, 21, 31, 41, 51, 61	BLACK
2, 12, 22, 32, 42, 52, 62	BROWN
3, 13, 23, 33, 43, 53, 63	RED
4, 14, 24, 34, 44, 54, 64	ORANGE
5, 15, 25, 35, 45, 55, 65	YELLOW
6, 16, 26, 36, 46, 56	GREEN
7, 17, 27, 37, 47, 57	BLUE
8, 18, 28, 38, 48, 58	VIOLET
9, 19, 29, 39, 49, 59	GRAY
10, 20, 30, 40, 50, 60	WHITE

INTERNAL USE ONLY

SHEET 2 OF 2 IS A
MFG LOADING DIAGRAM



ACTUAL SIZE
EXCLUDING WIRE LENGTH



SECTION A-A
VIEW LESS HARDWARE

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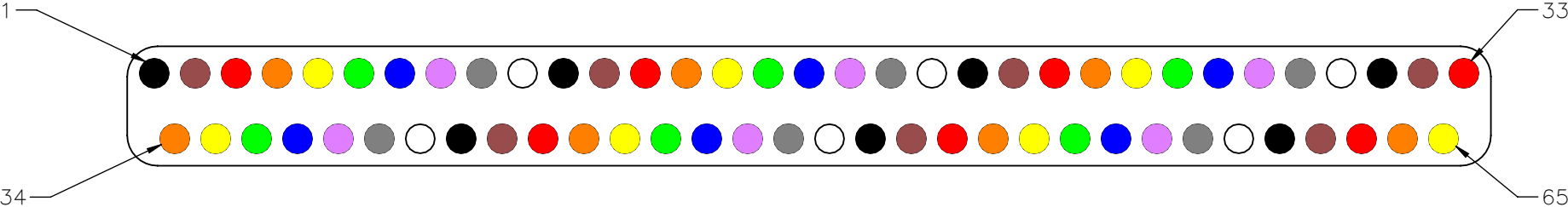
DFTM. TLM	DATE 04-13-13
CHK'D.	DATE
APP'D.	DATE

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

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

CAGE CODE 61873	DWG NO. A29048-165
SHEET 1 OF 2	REV A
SCALE: 3:1	

PART NO.	A29048-165	REV	ECO	DATE	APP
		A	99441	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. A29048-165	
	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	(65) SOCKET FEMALE Bi-Lobe® CONNECTOR				
		APP'D.	DATE	-				