

MATERIALS & SPECIFICATIONS

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

INSULATOR:
LIQUID CRYSTAL POLYMER (LCP) PER
ASTM D5138

CONTACT:
BERYLLIUM COPPER PER ASTM B194,
C17200, 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

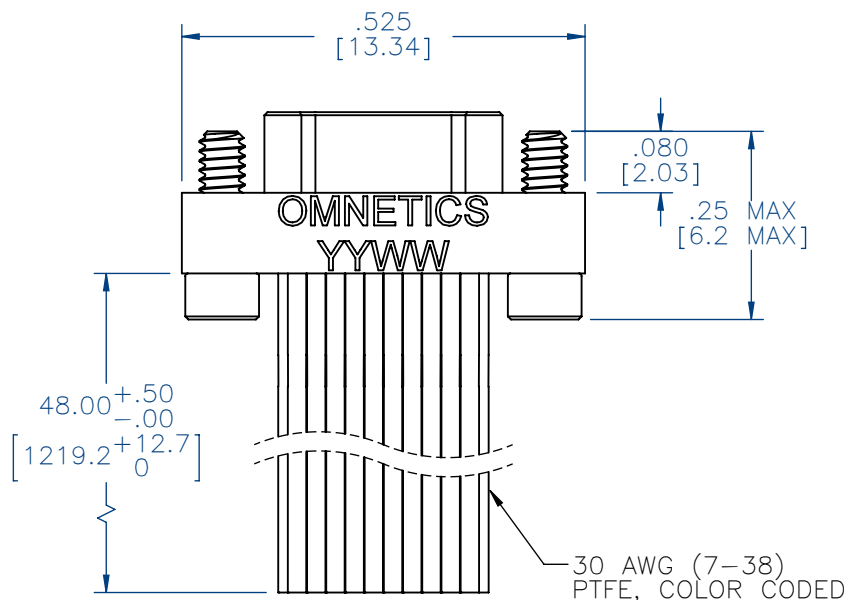
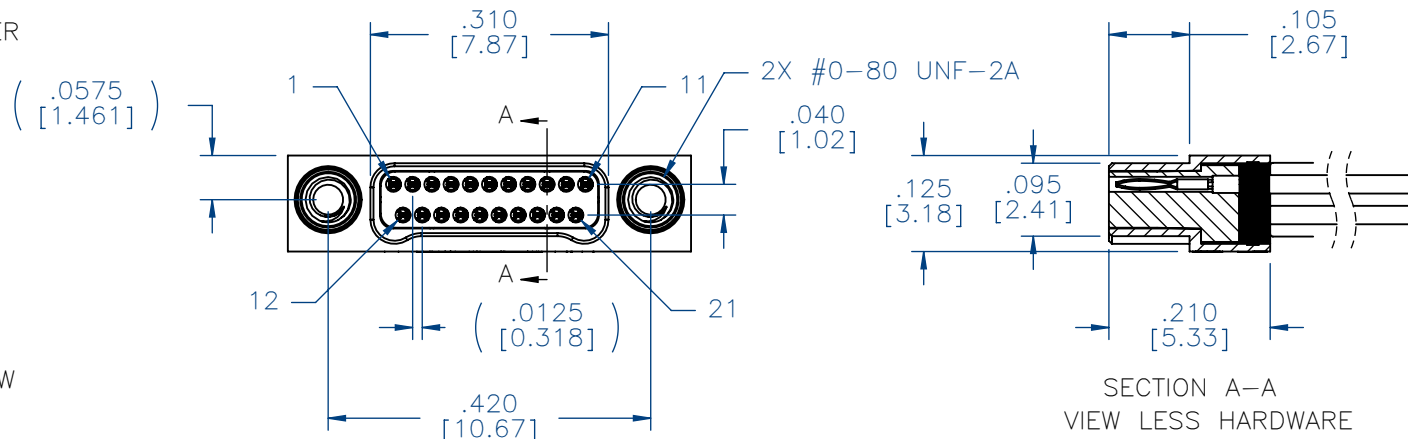
CURRENT RATING:
1 AMP MAX PER MIL-DTL-32139

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



PIN #	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

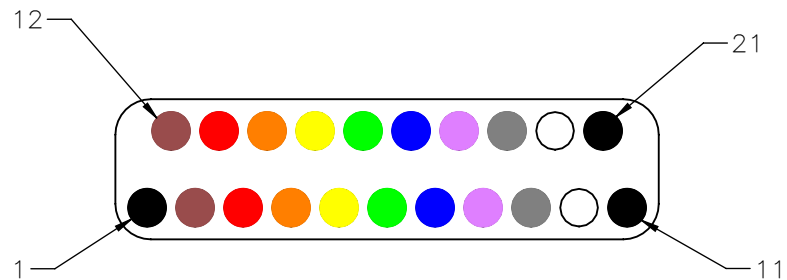
M/NPO	SLDW	THIRD ANGLE
		-TOLERANCES-
		UNLESS OTHERWISE NOTED
		DIMENSIONS IN INCHES
		2 PL DEC ± .01
		3 PL DEC ± .005
		4 PL DEC ± .0005
		ANGLES ± 1°

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DFTM. TLM	DATE	TITLE:	
CHK'D.	DATE	(21) PIN MALE	
APP'D.	DATE	Bi-Lobe® CONNECTOR	

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

CAGE CODE	61873
DWG NO.	A28048-021
SHEET 1 OF 2	REV A
SCALE: 4:1	

PART NO.	A28048-021	REV	ECO	DATE	APP
		A	99439	04-13-13	TLM



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MNP O 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. A28048-021	
	DIMENSIONS IN INCHES	DFTM. TLM	DATE 04-13-13	TITLE: (21) PIN MALE		SHEET 2 OF 2	
	2 PL DEC± .01 3 PL DEC± .005 4 PL DEC± .0005 ANGLES ± 1°	CHK'D.	DATE	Bi-Lobe® CONNECTOR		SCALE: 10:1	
		APP'D.	DATE	-		REV A	