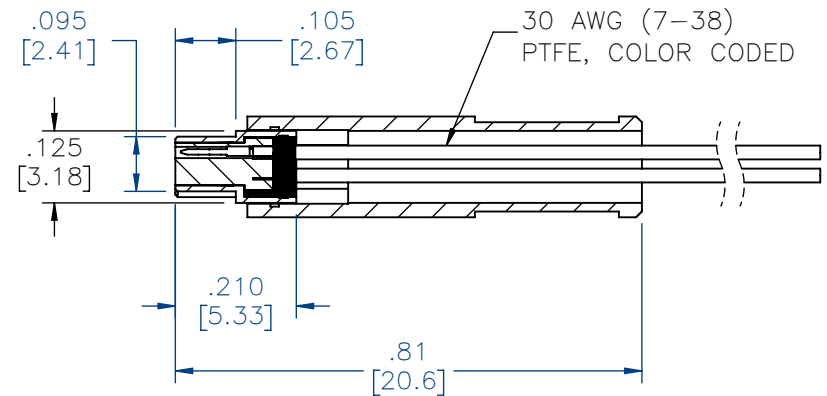
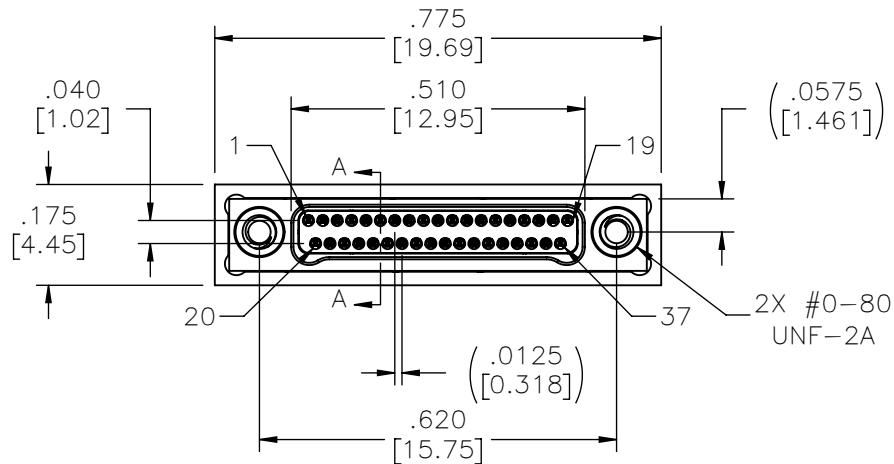


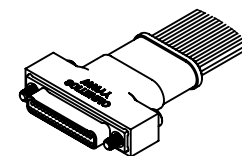
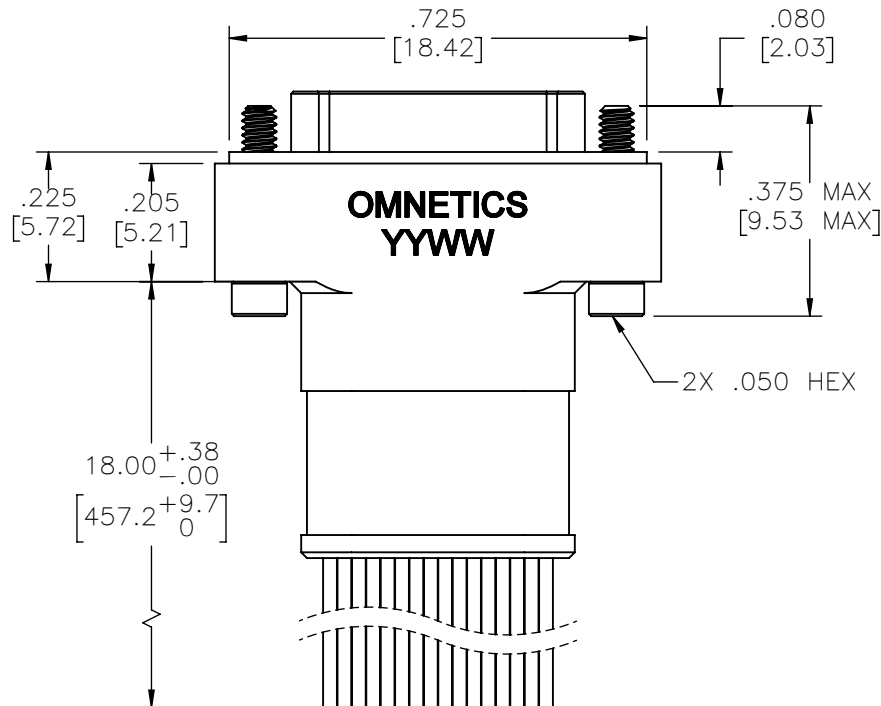
PART NO.	A28111-037	REV	ECO	DATE	APP
		A	104304	03-07-18	HV



SECTION A-A

PIN #	COLOR
1, 11, 21, 31	BLACK
2, 12, 22, 32	BROWN
3, 13, 23, 33	RED
4, 14, 24, 34	ORANGE
5, 15, 25, 35	YELLOW
6, 16, 26, 36	GREEN
7, 17, 27, 37	BLUE
8, 18, 28	VIOLET
9, 19, 29	GRAY
10, 20, 30	WHITE

INTERNAL USE ONLY
USE MFG LOADING
PROCEDURE A28000-037



ACTUAL SIZE
EXCLUDING WIRE LENGTH

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°	

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 03-02-18	TITLE: (37) PIN MALE Bi-Lobe® CONNECTOR W/BACKSHELL
DFTM. HV	DATE	
CHK'D.	DATE	
APP'D.	DATE	

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

CAGE CODE 61873	DWG NO. A28111-037
SHEET 1 OF 2	REV A
SCALE: 3:1	

PART NO.	A28111-037	REV	ECO	DATE	APP
		A	104304	03-07-18	HV

MATERIALS & SPECIFICATIONS

HOUSING & BACKSHELL:
ALUMINUM 6061, NICKEL PLATED (500 MICROINCHES MINIMUM)
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 A582

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.

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.				 CONNECTOR CORPORATION 7260 COMMERCE CIRCLE EAST MINNEAPOLIS, MN 55432 WWW.OMNETICS.COM	CAGE CODE 61873	
	-TOLERANCES-	DATE 03-02-18					DWG NO. A28111-037	
	UNLESS OTHERWISE NOTED	TITLE: (37) PIN MALE					SHEET 2 OF 2	
	DIMENSIONS IN INCHES	Bi-Lobe® CONNECTOR					REV A	
	2 PL DEC± .01	DFTM. HV	DATE	W/BACKSHELL			SCALE: 3:1	
	3 PL DEC± .005	CHK'D.	DATE					
4 PL DEC± .0005	APP'D.	DATE						
	ANGLES ± 1°							