

NOTES:  
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS UNLESS OTHERWISE NOTED AND ARE FOR REFERENCE ONLY

MBS SLDW	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.

TITLE:  
(31) SOCKET FEMALE  
BI-LOBE CONNECTOR  
W/JACKSCREWS

DFTM. DWP  
DATE 11-09-22

**OMNETICS**  
CONNECTOR CORPORATION  
8840 EVERGREEN BLVD.  
MINNEAPOLIS, MN 55433  
WWW.OMNETICS.COM

DWG NO.	CAGE CODE	61873
A50018-131		
SHEET	SCALE: 3:1	REV A
1 OF 2		

# MATERIALS & SPECIFICATIONS

SPECIAL INSTRUCTIONS: NO	PART NO.	A50018-131	REV	ECO	DATE	APP
			A	110654	4/17/24	TLM

HOUSING:  
ALUMINUM 6061, NICKEL PLATE (500  
MICROINCHES MINIMUM) PER SAE-AMS-  
2404.

INSULATOR:  
LIQUID CRYSTAL POLYMER (LCP) PER  
ASTM 5138

CONTACT:  
COPPER ALLOY PER MIL-DTL-32139,  
GOLD PLATED PER ASTM B488, (HARD  
GOLD) TYPE II CODE C, CLASS 1.27

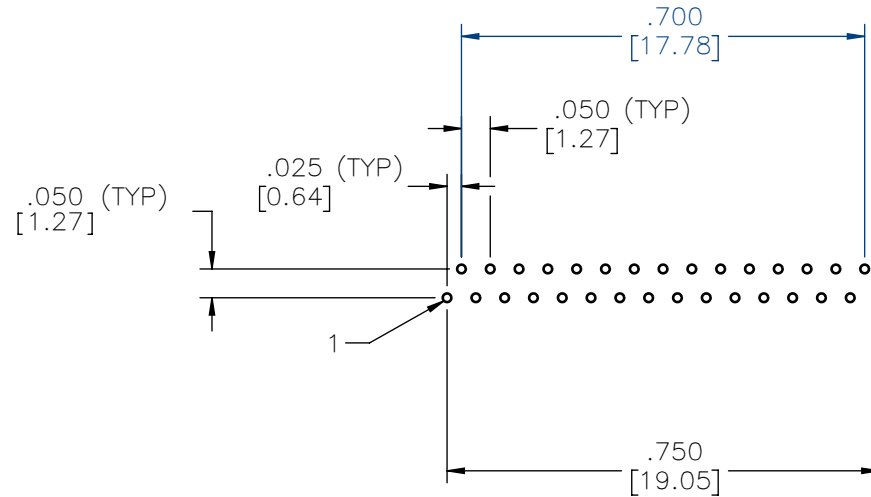
TERMINATION:  
SOLDER COATED WITH SN63A PER J-  
STD-006

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.



SUGGESTED HOLE PATTERN

MBSS	THIRD ANGLE
	-TOLERANCES-
SLDW	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.	
TITLE:	(31) SOCKET FEMALE BI-LOBE CONNECTOR W/JACKSCREWS
DFTM. DWP	
DATE	11-09-22

**OMNETICS**  
CONNECTOR CORPORATION  
8840 EVERGREEN BLVD.  
MINNEAPOLIS, MN 55433  
WWW.OMNETICS.COM

DWG NO.	CAGE CODE <b>61873</b>
<b>A50018-131</b>	
SHEET 2 OF 2	SCALE: 3:1
REV A	