

MATERIALS & SPECIFICATIONS

HOUSING:

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

INSULATOR:

LIQUID CRYSTAL POLYMER (LCP)
PER ASTM D5138

CONTACTS:

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

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

SPECIAL INSTRUCTIONS: NO

PART NO.

A29200-051

REV

ECO

DATE

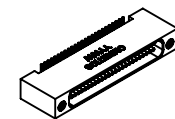
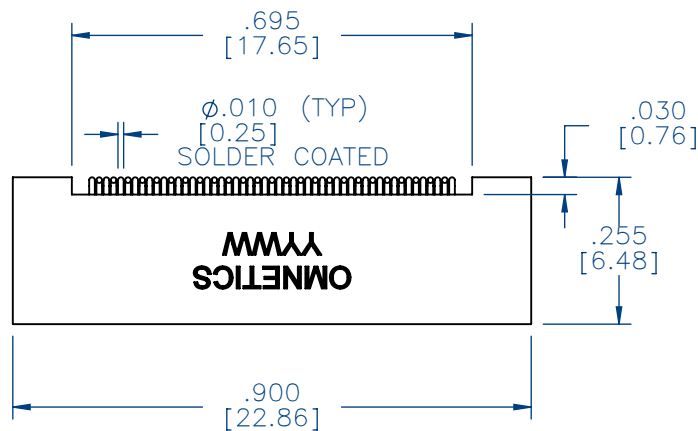
APP

J

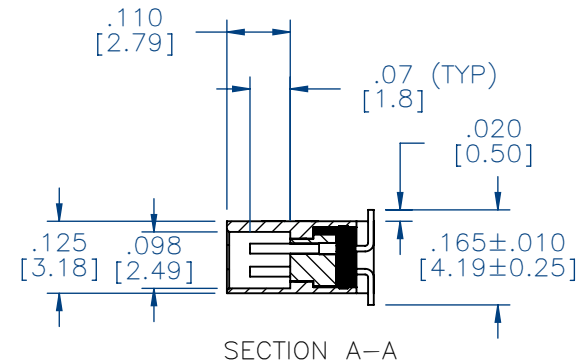
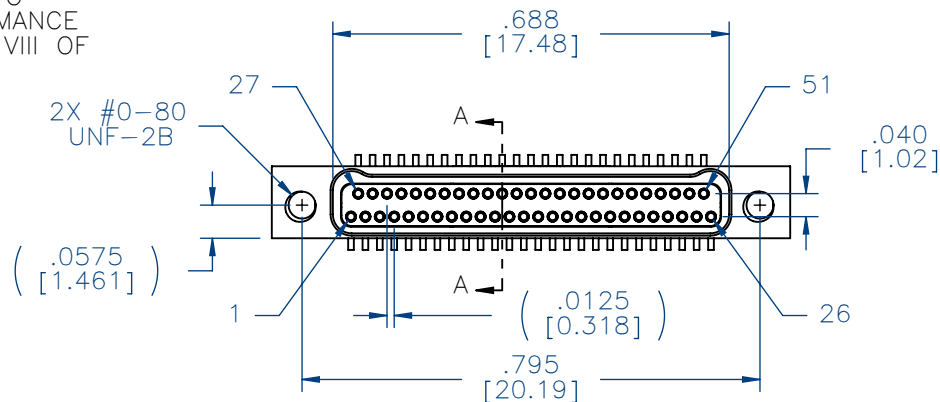
111132

10-28-24

BAS



ACTUAL SIZE



NOTES:

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

MNSO	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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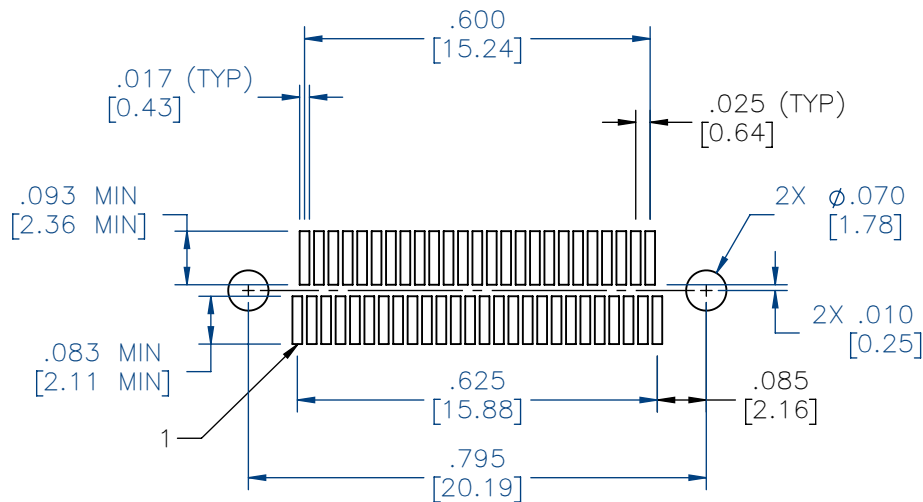
TITLE:
DFTM. AAS
DATE
01-06-04

(51) SOCKET FEMALE
BI-LOBE® CONNECTOR

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

DWG NO.	CAGE CODE	61873
		A29200-051
SHEET	SCALE: 3:1	REV J
1 OF 2		

SPECIAL INSTRUCTIONS: NO	PART NO.	A29200-051	REV	ECO	DATE	APP
			J	111132	10-28-24	BAS



SUGGESTED PAD LAYOUT

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 8840 EVERGREEN BLVD. MINNEAPOLIS, MN 55433 WWW.OMNETICS.COM	DWG NO. CAGE CODE 61873	
	-TOLERANCES-			A29200-051	
	UNLESS OTHERWISE NOTED				
	DIMENSIONS IN INCHES				
	2 PL DEC± .01	TITLE: (51) SOCKET FEMALE BI-LOBE® CONNECTOR -		SHEET	SCALE: 3:1
	3 PL DEC± .005				
	4 PL DEC± .0005				
	ANGLES ± 1°	DATE		2 OF 2	REV J
		01-06-04			