

$\phi .010 \pm .002$ (TYP)
 $[0.25 \pm 0.05]$
 SOLDER COATED
 (SN63PB37)

SPECIAL INSTRUCTIONS: NO

PART NO.

A29861-001

REV

ECO

DATE

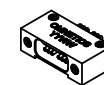
APP

A

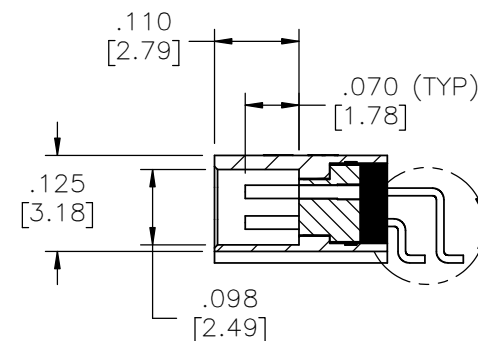
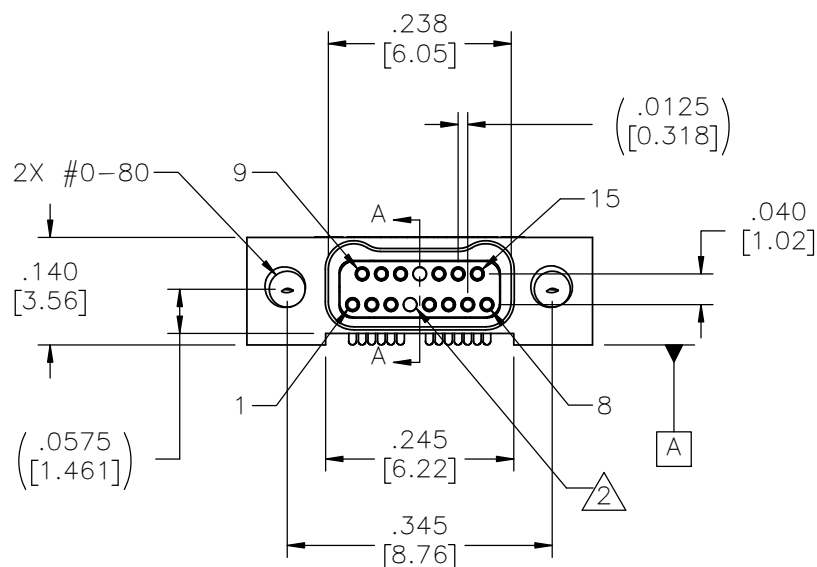
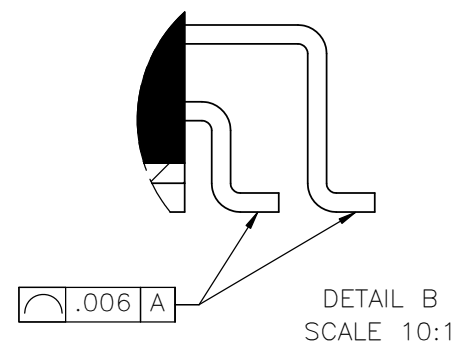
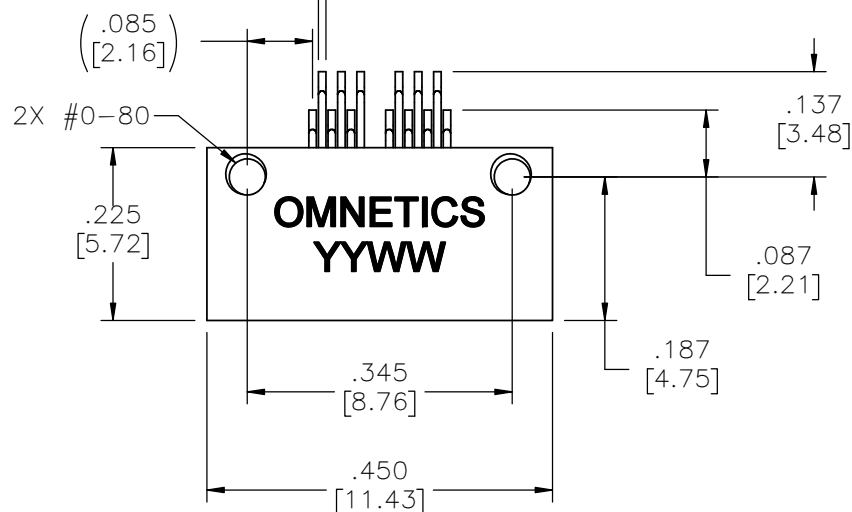
111441

02-25-25

BAS



ACTUAL SIZE



SECTION A-A

NOTES:

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

2 WHITE HOLES TO BE POPULATED WITH LCP PLUGS

THIRD ANGLE	
-TOLERANCES-	
UNLESS OTHERWISE NOTED	
DIMENSIONS IN INCHES	
2	PL DEC $\pm .01$
3	PL DEC $\pm .005$
4	PL DEC $\pm .0005$
ANGLES $\pm 1^\circ$	

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TITLE:
 DFTM. XX
 DATE
 05-17-24

(02PR07) SOCKET FEMALE
 HIGH SPEED BI-LOBE®
 SMT CONNECTOR

CONNECTOR NOMENCLATURE: MNSO-02PR07-AA-N-ETH-HS2

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

DWG NO.	CAGE CODE	61873
A29861-001		
SHEET 1 OF 2	SCALE: 4:1	REV A

SPECIAL INSTRUCTIONS: NO	PART NO.	A29861-001	REV	ECO	DATE	APP
			A	111441	02-25-25	BAS

MATERIALS & SPECIFICATIONS

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

INSULATOR & PLUG:
 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

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

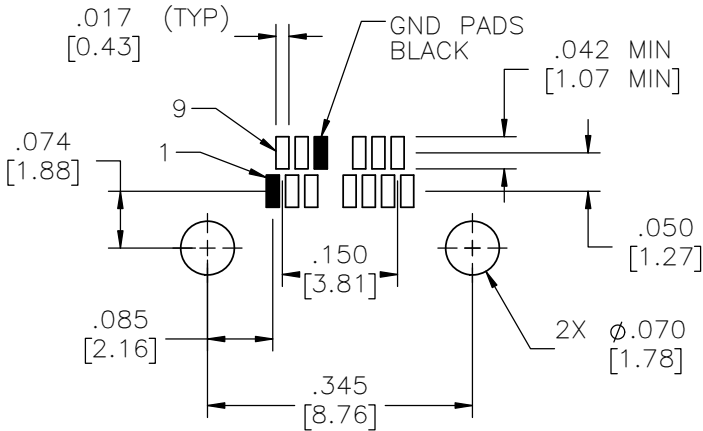
CURRENT RATING:
 1 AMP MAX PER MIL-DTL-32139

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

SOCKET#	NOTE
1	DP1 GND
2	DP1+
3	DP1-
5	-
6	-
7	-
8	-
9	DP2+
10	DP2-
11	DP2 GND
13	-
14	-
15	-

PLUGS	SOCKET#
	4, 12



SUGGESTED PAD LAYOUT

CONNECTOR NOMENCLATURE: MNSO-02PR07-AA-N-ETH-HS2

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-				A29861-001		
	DIMENSIONS IN INCHES						
	2 PL DEC ± .01 3 PL DEC ± .005 4 PL DEC ± .0005 ANGLES ± 1°						
	TITLE: (02PR07) SOCKET FEMALE HIGH SPEED BI-LOBE® SMT CONNECTOR				SHEET 2 OF 2	SCALE: 4:1	REV A

TITLE: (02PR07) SOCKET FEMALE
 HIGH SPEED BI-LOBE®
 SMT CONNECTOR

DFTM. XX

DATE 05-17-24