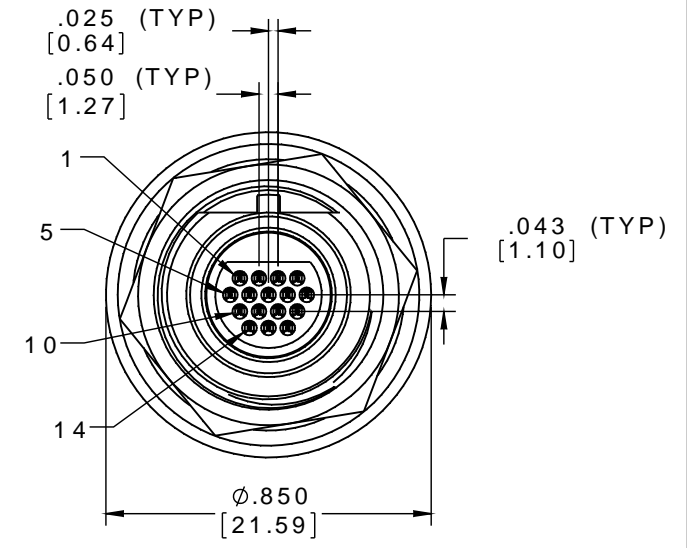
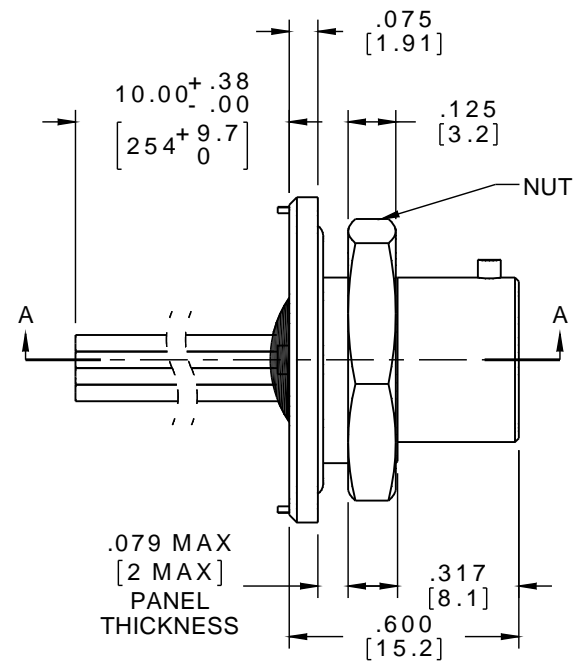
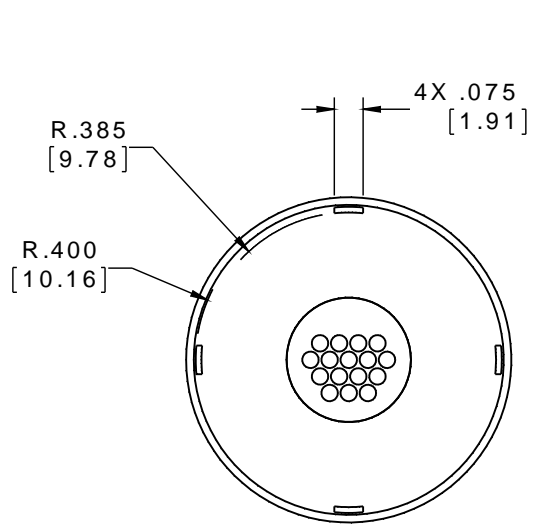
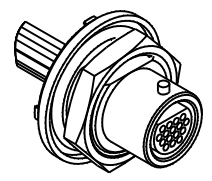


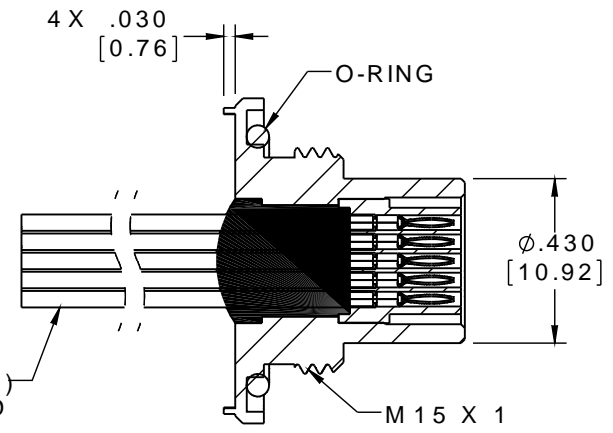
PART NO.	A 108756-001	REV	ECO	DATE	APP
		1			



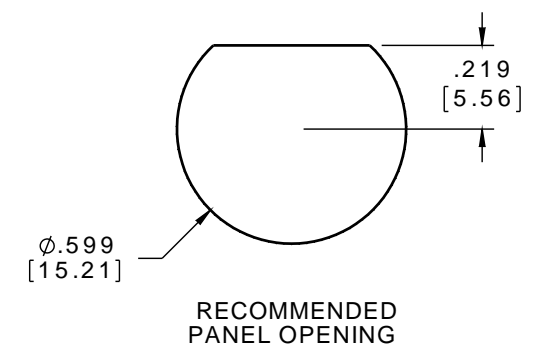
SOCKET #	COLOR
1, 11	BLACK
2, 12	BROWN
3, 13	RED
4, 14	ORANGE
5, 15	YELLOW
6, 16	GREEN
7	BLUE
8	VIOLET
9	GRAY
10	WHITE



ACTUAL SIZE EXCLUDING WIRE LENGTH



26 AWG (7-34) PTFE, COLOR CODED



SECTION A-A
LESS NUT

RECOMMENDED
PANEL OPENING

NOTES:

- METAL SHELL AND NUT TO BE PASSIVATED STAINLESS STEEL.
- DIMENSIONS IN [] ARE IN MILLIMETERS UNLESS OTHERWISE NOTED AND ARE FOR REFERENCE ONLY.

Drawing Approval

Date

REF: IMI

M/MCP S/DW	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 DIMENSIONS IN INCHES	DFTM. JPF	DATE 08-15-16		TITLE: (16) PIN MALE CIRCULAR CONNECTOR W/PANEL MOUNT SHELL	DWG NO. A 108756-001	
	2 PL DEC ± .01 3 PL DEC ± .005 4 PL DEC ± .0005 ANGLES ± °	CHK'D.	DATE		SHEET 1 OF 3	REV 1	SCALE: 2:1
	APP'D.	DATE					

PART NO.	A108756-001	REV	ECO	DATE	APP
		1			

MATERIAL & SPECIFICATIONS

SHELL AND NUT:
ALUMINUM 6061-T6, BLACK NICKEL (MATTE) PLATE PER
MIL-P-18317

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.

TERMINATION:
SOLDER COATED WITH SN63A PER J-STD-006 OR AMS-P-
81728

CURRENT CAPACITY:
3 AMP MAX.


CONTACT RESISTANCE:
26 MILLIOHMS (65 mv) MAX @ 2.5 AMPS.

PERFORMANCE:
TESTED TO AND PASSED THE PERFORMANCE SPECIFICATIONS
OF TABLE VII OF MIL-DTL-83513.

Drawing Approval

Date

REF: IMI

MMCP 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	DFTM. JPF	DATE 08-15-16		TITLE:	DWG NO. A108756-001
	DIMENSIONS IN INCHES	CHK'D.	DATE	(16) PIN MALE CIRCULAR CONNECTOR W/PANEL MOUNT SHELL	SHEET 2 OF 3	
	2 PL DEC ± .01 3 PL DEC ± .005 4 PL DEC ± .0005 ANGLES ± °	APP'D.	DATE		REV 1	SCALE: 2:1

PART NO.	A 108756-001	REV	ECO	DATE	APP
		1			

PRODUCT FAMILY TESTED TO AND PASSED THE FOLLOWING PERFORMANCE SPECIFICATIONS

CURRENT RATING:	3 AMPS MAX
DIELECTRIC WITHSTANDING VOLTAGE:	600 VAC RMS
INSULATION RESISTANCE:	5000 MEGAOHMS MIN @ 500 VDC
CONTACT RESISTANCE:*	26 MILLIOHMS (65 mV) MAX @ 2.5 AMPS
MATING/UNMATING FORCE:	FORCES NOT TO EXCEED 6 OZ/CONTACT
TEMPERATURE CYCLING:	- 5 5°C TO +125°C, 5 CYCLES
HUMIDITY (MATED):	IAW MIL-STD-1344, METHOD 1002.0, TYPE II, OMIT STEPS 7A & 7B
VIBRATION:	IAW -MIL-STD-1344, METHOD 205.1, TEST CONDITION IV, 20 g's
MECHANICAL SHOCK:	IAW -MIL-STD-1344, METHOD 2004.1, TEST CONDITION E, 50 g's
DURABILITY:	500 CYCLES
CONTACT RESISTANCE AFTER DURABILTY:*	26 MILLIOHMS (65 mV) MAX @ 2.5 AMPS
MATING/UNMATING AFTER DURABILITY:	FORCES NOT TO EXCEED 6 OZ/CONTACT
SALT SPRAY:	48 hrs IAW -MIL-STD-1344, METHOD 1001.1, TEST CONDITION B
LOW LEVEL CONTACT RESISTANCE AFTER SALT SPRAY:*	28 MILLIOHMS (2.8 mV) MAX @ 100 MILLIAMPS
CONTACT RESITANCE AFTER SALT SPRAY:*	28 MILLIOHMS (70 mV) MAX @ 2.5 AMPS
MATING/UNMATING FORCE AFTER SALT SPRAY:	FORCES NOT TO EXCEED 6 OZ/CONTACT
CONTACT RETENTION AFTER SALT SPRAY:	MINIMUM OF 5 lbs CONTACT RETENTION
THERMAL VACUUM OUTGASSING:	NASA SP-R-0022 (AVAILABLE ON REQUEST)
SOLDER HEAT & CONTACT RETENTION:	260°C FOR 20 s & CONTACTS MUST WITHSTAND 5 lbs RETENTION FORCE
SOLDERABILITY	MIL-STD-202, METHOD 208

*RESISTANCE READINGS TESTED WITH 26 AWG WIRE

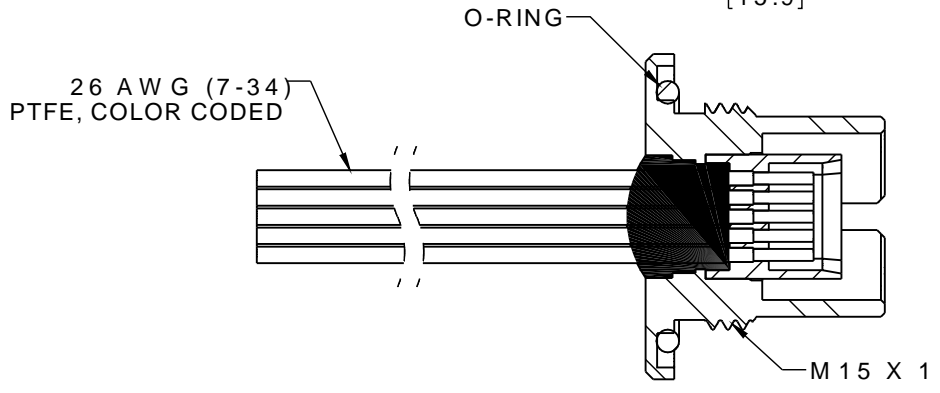
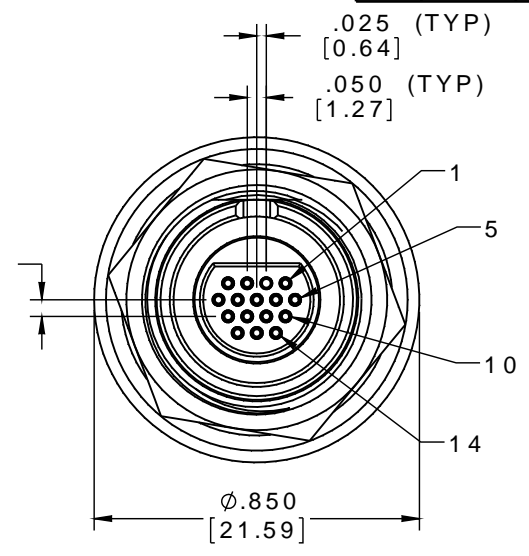
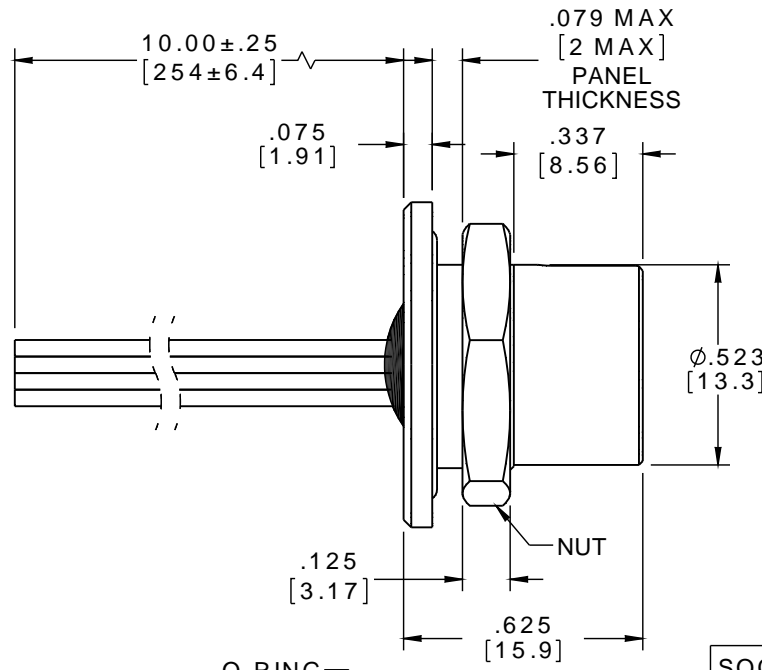
REF: IMI

Drawing Approval

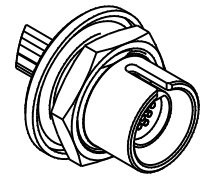
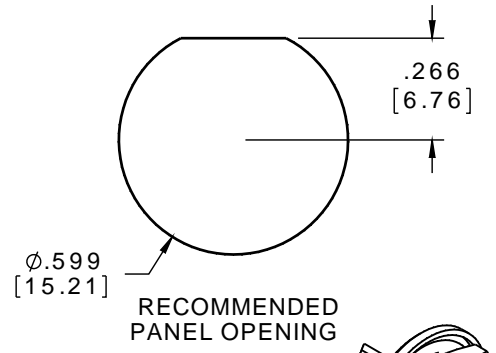
Date

M/DCP S/DW	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 DIMENSIONS IN INCHES				DWG NO. A 108756-001	
	2 PL DEC ± .01 3 PL DEC ± .005 4 PL DEC ± .0005 ANGLES ± °	DFTM. JPF DATE 08-15-16	TITLE: (16) PIN MALE CIRCULAR CONNECTOR W/PANEL MOUNT SHELL	SHEET 3 OF 3		REV 1
		CHK'D.	APP'D.	SCALE: 2:1		

PART NO.	A 108757-001	REV	ECO	DATE	APP
		1			



SOCKET #	COLOR
1, 11	BLACK
2, 12	BROWN
3, 13	RED
4, 14	ORANGE
5, 15	YELLOW
6, 16	GREEN
7	BLUE
8	VIOLET
9	GRAY
10	WHITE



ACTUAL SIZE EXCLUDING WIRE LENGTH

Drawing Approval

Date _____

NOTES:

- METAL SHELL AND NUT TO BE PASSIVATED STAINLESS STEEL.
- DIMENSIONS IN [] ARE IN MILLIMETERS UNLESS OTHERWISE NOTED AND ARE FOR REFERENCE ONLY.

REF: IMI

MWCS S/DW	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 DIMENSIONS IN INCHES	DATE 08-15-16	TITLE: (16) SOCKET FEMALE CIRCULAR CONNECTOR W/PANEL MOUNT SHELL		DWG NO. A 108757-001	
	2 PL DEC ± .01 3 PL DEC ± .005 4 PL DEC ± .0005 ANGLES ± 1°	DFTM. JPF CHK'D. APP'D.	DATE DATE DATE		SHEET 1 OF 3 SCALE: 2:1	
			REF: IMI 1			

PART NO.	A108757-001	REV	ECO	DATE	APP
		1			

MATERIAL & SPECIFICATIONS

SHELL AND NUT:
ALUMINUM 6061-T6, BLACK NICKEL PLATE PER MIL-P-18317

INSULATOR:
LIQUID CRYSTAL POLYMER (LCP) PER ASTM D5138.

CONTACT:
COPPER ALLOY PER MIL-DTL-83513. GOLD PLATED PER ASTM B488, (HARD GOLD) TYPE II CODE C CLASS 1.27.

TERMINATION:
26 AWG (19-38) ETFE PER NEMA HP3, COLOR CODED PER TABLE.

CURRENT CAPACITY:
3 AMP MAX.

CONTACT RESISTANCE:
26 MILLIOHMS (65 mv) MAX @ 2.5 AMPS.

PERFORMANCE:
TESTED TO AND PASSED THE PERFORMANCE SPECIFICATIONS OF TABLE VII OF MIL-DTL-83513.

REF: IMI

Drawing Approval

Date

MDCS SMDW	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	CAGE CODE 61873		
	-TOLERANCES- UNLESS OTHERWISE NOTED				DFTM. JPF	DATE 08-15-16	TITLE:
	DIMENSIONS IN INCHES	CHK'D.	DATE	(16) SOCKET FEMALE CIRCULAR CONNECTOR W/PANEL MOUNT SHELL	CONNECTOR CORPORATION		SHEET 2 OF 3
	2 PL DEC ± .01 3 PL DEC ± .005 4 PL DEC ± .0005 ANGLES ± 1°	APP'D.	DATE		7260 COMMERCE CIRCLE EAST MINNEAPOLIS, MN 55432 WWW.OMNETICS.COM		REV 1
						SCALE: 2:1	

PART NO.	A 108757-001	REV	ECO	DATE	APP
		1			

PRODUCT FAMILY TESTED TO AND PASSED THE FOLLOWING PERFORMANCE SPECIFICATIONS

CURRENT RATING:	3 AMPS MAX
DIELECTRIC WITHSTANDING VOLTAGE:	600 VAC RMS
INSULATION RESISTANCE:	5000 MEGAOHMS MIN @ 500 VDC
CONTACT RESISTANCE:*	26 MILLIOHMS (65 mV) MAX @ 2.5 AMPS
MATING/UNMATING FORCE:	FORCES NOT TO EXCEED 6 OZ/CONTACT
TEMPERATURE CYCLING:	-5 5°C TO +125°C, 5 CYCLES
HUMIDITY (MATED):	IAW MIL-STD-1344, METHOD 1002.0, TYPE II, OMIT STEPS 7A & 7B
VIBRATION:	IAW-MIL-STD-1344, METHOD 205.1, TEST CONDITION IV, 20 g's
MECHANICAL SHOCK:	IAW-MIL-STD-1344, METHOD 2004.1, TEST CONDITION E, 50 g's
DURABILITY:	500 CYCLES
CONTACT RESISTANCE AFTER DURABILTY:*	26 MILLIOHMS (65 mV) MAX @ 2.5 AMPS
MATING/UNMATING AFTER DURABILITY:	FORCES NOT TO EXCEED 6 OZ/CONTACT
SALT SPRAY:	48 hrs IAW-MIL-STD-1344, METHOD 1001.1, TEST CONDITION B
LOW LEVEL CONTACT RESISTANCE AFTER SALT SPRAY:*	28 MILLIOHMS (2.8 mV) MAX @ 100 MILLIAMPS
CONTACT RESITANCE AFTER SALT SPRAY:*	28 MILLIOHMS (70 mV) MAX @ 2.5 AMPS
MATING/UNMATING FORCE AFTER SALT SPRAY:	FORCES NOT TO EXCEED 6 OZ/CONTACT
CONTACT RETENTION AFTER SALT SPRAY:	MINIMUM OF 5 lbs CONTACT RETENTION
THERMAL VACUUM OUTGASSING:	NASA SP-R-0022 (AVAILABLE ON REQUEST)
SOLDER HEAT & CONTACT RETENTION:	260°C FOR 20 s & CONTACTS MUST WITHSTAND 5 lbs RETENTION FORCE
SOLDERABILITY	MIL-STD-202, METHOD 208

*RESISTANCE READINGS TESTED WITH 26 AWG WIRE

REF: IMI

Drawing Approval _____

Date _____

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	-TOLERANCES- <small>UNLESS OTHERWISE NOTED</small> <small>DIMENSIONS IN INCHES</small>			DFTM. JPF DATE 08-15-16 TITLE: (16) SOCKET FEMALE CIRCULAR CONNECTOR W/PANEL MOUNT SHELL	DWG NO. A 108757-001	
	2 PL DEC ± .01 3 PL DEC ± .005 4 PL DEC ± .0005 ANGLES ± 1°			CHK'D. DATE _____ APP'D. DATE _____	SHEET 3 OF 3	REV 1
				SCALE: 2:1		