CONTACT #	COLOR	AWG
#	BLACK	
2	BROWN	
2 3 4 5 6	RED	20 AWG
4	ORANGE	
5	YELLOW	
6	BLACK	
7	BROWN	
8	RED	
9	ORANGE	
10	YELLOW	
11	GREEN	
11 12 13 14 15	BLUE	
13	VIOLET	
14	GRAY	
15	WHITE	26
16	BLACK	AWG
17	BROWN	
18	RED	
19	ORANGE	
20	YELLOW	
21	GREEN	
22	BLUE	
22 23 24 25	VIOLET	
24	GRAY	
25	WHITE	

INTERNAL USE ONLY USE LOADING DIAGRAM ON SHEET 4 OF 4



ACTUAL SIZE EXCLUDING WIRE LENGTH

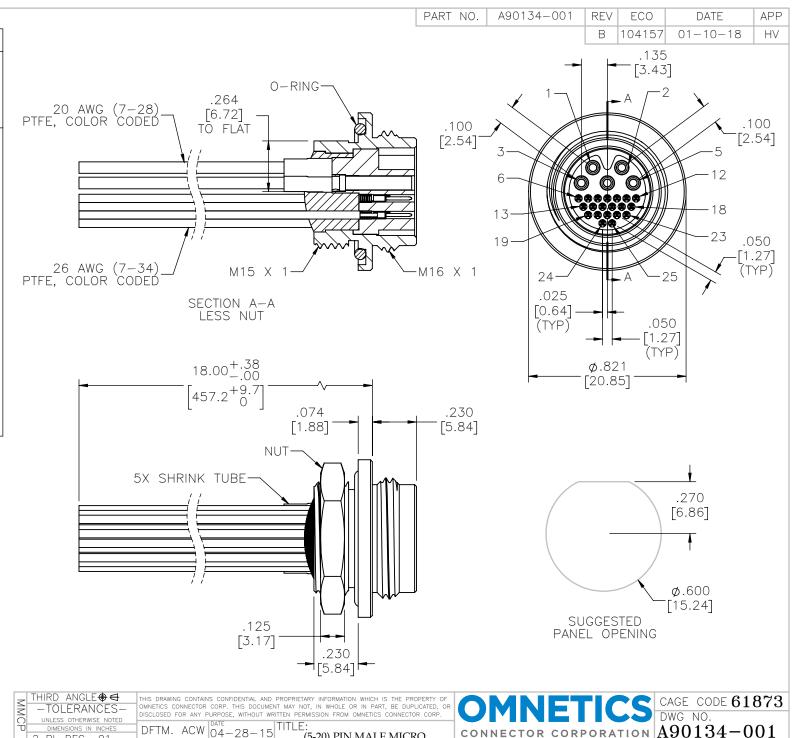
NOTE:

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

2 PL DEC± .01 3 PL DEC± .005 4 PL DEC± .0005 ANGLES ± •

CHK'D.

APP'D.



(5-20) PIN MALE MICRO

THREADED PROTRUDING

PANEL MOUNT

7260 COMMERCE CIRCLE EAST

MINNEAPOLIS, MN 55432

WWW.OMNÉTICS.COM

SHEET 1 OF 4

SCALE: 2:1

REV

В

 PART NO.
 A90134-001
 REV
 ECO
 DATE
 APP

 B
 104157
 01-10-18
 HV

MATERIALS & SPECIFICATIONS

INSULATOR POLYETHERIMIDE

CONTACT MATERIAL
SIGNAL - COPPER ALLOY PER MIL-DTL-83513

POWER - COPPER ALLOY PER SAE-AS39029

CONTACT FINISH
SIGNAL — GOLD PLATE PER ASTM B488, TYPE II, CLASS
1.27, CODE C OVER NICKEL UNDERPLATE

POWER — GOLD PLATE PER ASTM B488, TYPE II, CLASS 1.27, CODE C OVER NICKEL UNDERPLATE

TERMINATION

SIGNAL - 26 AWG, (7-34) SILVER COATED COPPER, PTFE, COLOR CODED

POWER - 20 AWG, (7-28) SILVER COATED COPPER, PTFE, COLOR CODED

SHELLS
BRASS ALLOY 360

SHELL FINISH
ELECTROLESS NICKEL (200 MICROINCHES MINIMUM) PER
SAE-AMS-2404

	_ THIRD ANGLE⊕ 🖯	THIS DRAWING CONTAINS CONFIDENTIAL AND	PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF	OMNETICS	CAGE CODE 6187	73
		OMNETICS CONNECTOR CORP. THIS DOCUM	ENT MAY NOT, IN WHOLE OR IN PART, BE DUPLICATED, OR	CIMNETICS	CAGE CODE OTO	
	UNLESS OTHERWISE NOTED					
	DIMENSIONS IN INCHES	DFTM. ACW 04-28-15	(5-20) PIN MALE MICRO	CONNECTOR CORPORATION	A90134-00	1
- 1	2 PL DEC± .01	DATE	(5-20) PIN MALE MICKO			
	♥ 3 PL DEC± .005	CHK'D.	THREADED PROTRUDING	7260 COMMERCE CIRCLE EAST	SHEET 2 OF 4 R	REV
	4 PL DEC± .0005 ANGLES + °	ADD'D DATE	PANEL MOUNT	MINNEAPOLIS, MN 55432		в
	≥ ANGLES ±	APP'D.	I ANEL MOUNT	WWW.OMNETICS.COM	SCALE: 6:1	ן ט

A90134-001 APP PART NO. REV ECO DATE B 104157 01-10-18 HV

PRODUCT FAMILY TESTED TO AND PASSED THE FOLLOWING PERFORMANCE SPECIFICATIONS

CURRENT RATING: 3 AMPS MAX (SIGNAL CONTACTS)

10 AMPS MAX (POWER CONTACTS)

600 VAC RMS (SIGNAL CONTACTS) DIELECTRIC WITHSTANDING VOLTAGE:

1000 VAC RMS (POWER CONTACTS)

INSULATION RESISTANCE: 5000 MEGAOHMS MIN @ 500 VDC

CONTACT RESISTANCE: 26 MILLIOHMS (65 mV) MAX @ 2.5 AMPS (SIGNAL CONTACTS)

7 MILLIOHMS (55 mV) MAX @ 7.5 AMPS (POWER CONTACTS)

CONTACT ENGAGEMENT & SEPARATION FORCES: 6 OZ MAX/CONTACT (ENGAGEMENT SIGNAL)

.5 OZ MIN/CONTACT (SEPARATION SIGNAL)

18 OZ MAX/CONTACT (ENGAGEMENT POWER)

.7 OZ MIN/CONTACT (SEPARATION POWER)

TEMPERATURE CYCLING: -55°C TO +125°C, 5 CYCLES

VIBRATION*: EIA-364-28, TEST CONDITION IV, 20 q's

MECHANICAL SHOCK*: EIA-364-27, TEST CONDITION D, 300 g's

DURABILITY: 500 CYCLES

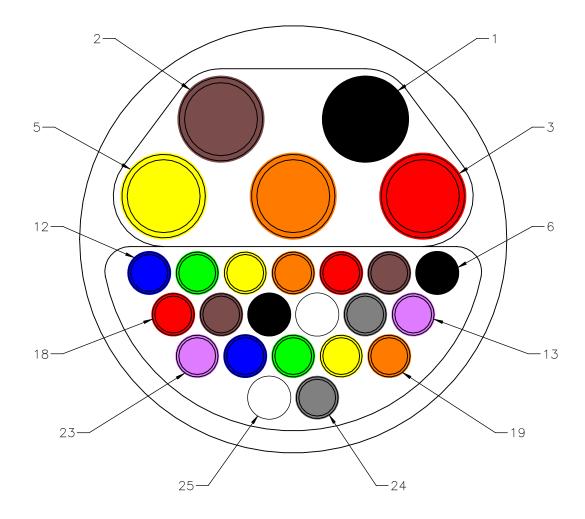
*PENDING COMPLETION OF TESTING

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⋛	-TOLERANCES-			NT MAY NOT, IN WHOLE OR IN F SITTEN PERMISSION FROM OMNET	
a	UNLESS OTHERWISE NOTED				ICS CONNECTOR CORF.
Ù	DIMENSIONS IN INCHES	DFTM. ACW	DATE	TITLE:	
_	Z FL DEC+ .UI	DI TIVI. 7.011	04-26-13 DATE	(5-20) PIN MA	LE MICRO
S	3 PL DEC005	CHK'D.	DAIL	THREADED PR	OTRUDING
	4 PL DEC± .0005		DATE	TIMENDEDIN	OIRODING
	ANGLES + •	APP'D	DATE	PANEL M	OUNT



7	DWG NO.	
N	A90134-0	001
Γ	SHEET 3 OF 4	REV
	SCALE: 2:1	d в l

I	PART NO.	A90134-001	REV	ECO	DATE	APP
			В	104157	01-10-18	HV



CONTACT #	COLOR	AWG	
1	BLACK		
2	BROWN		
3	RED	20 AWG	
2 3 4 5	ORANGE		
5	YELLOW		
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P	DIMENSIONS IN INCHES 2 PL DEC±.01	DFTM. ACW 04-28-15	TITLE: (5-20) PIN MALE MICRO
SE	3 PL DEC± .005 4 PL DEC+ .0005	CHK'D.	THREADED PROTRUDING
8	ANGLES ± °	APP'D.	PANEL MOUNT

OMNETICS CAGE CODE 61873

DWG NO.

A90134-001

7260 COMMERCE CIRCLE EAST MINNEAPOLIS, MN 55432 SCALE: 1:1 B