THIS DOCUMENT IS THE PROPERTY OF INTELLICONNECT. THE DESIGN AND SPECIFICATIONS DISCLOSED HEREON ARE PROPRIETARY AND PART NO. 5139-J1BK-652-101P SHALL NOT BE REPRODUCED. COPIED NOR USED FOR MANUFACTURE OR SALE OF DEVICES WITHOUT EXPRESSED WRITTEN AUTHORIZATION. **MATERIAL/FINISH PROPERTIES** MECHANICAL/ELECTRICAL PROPERTIES MATERIAL PROPERTIES: CONNECTOR MEETS: MIL-STD-348 FIG. 310-2, MIL-PRF-39012 CONNECTOR MEETS: RoHS 3 2015/863/EU STANDARDS BODY: STAINLESS STEEL PER ASTM A582 OR EQUIVALENT CONNECTOR DURABILITY: 500 CYCLES MIN. CONTACT: BERYLLIUM COPPER PER ASTM B196 OR EQUIVALENT MOUNTING: ES117-BK300 INSULATOR: PTFE PER ASTM D1710 OR EQUIVALENT PANEL THICKNESS: .156 [4.0] BUSHING: BRASS PER ASTM B16 OR EQUIVALENT CABLE: .034 SEMI RIGID (NbTi, SS, BeCu, CuNi) WASHER: STAINLESS STEEL PER ASTM A582 OR EQUIVALENT ASSEMBLY INSTRUCTION: AI577 LOCK WASHER: STAINLESS STEEL PER ASTM A582 OR EQUIVALENT **IMPEDANCE: 50 OHMS NOMINAL** FREQUENCY RANGE: DC-18 GHz PLATING PROPERTIES: **VOLTAGE RATING: 335 VRMS** BODY: PASSIVATE PER QQ-P-35, TYPEII CONTACT: .000040 MIN. GOLD PER MIL-G-45204 OVER **INSULATION RESISTANCE: 5,000 MEGOHMS** .000050 MIN. NICKEL PER QQ-N-290 BUSHING: .000030 MIN. GOLD PER MIL-G-45204 OVER .000050 MIN. NICKEL PER QQ-N-290 5.94 22.83 .899 .234 ACROSS 12.32 1 FLAT .485 .312 [7.92] .216[5.5] **HEX NUT** -.312 [7.92] HEX HEX **LOCKWASHER** TITLE: SMA STRAIGHT CABLED SOLDERLESS **IntelliConnect** BUILKHEAD IACK

02/23/21 NPR 1826 REV DESCRIPTION **APPR** DATE

UNLESS OTHERWISE SPECIFIED

ALL DIMENSIONS ARE REFERENCE X.XXX DIM'S = INCHES * [X.XX] DIM'S = MILLIMETERS SURFACE FINISH: 63 MICRO MAX. ALL DIAMETERS TO BE CONCENTRIC WITHIN .005 F.I.M.

| DRAWN BY: JDH | CHECK BY: NB | APPR. BY: | | |
|------------------------------------|--------------|-----------|--|--|
| MATERIAL & FINISH: PER TABLE ABOVE | | | | |
| BOEKI IEAB WOK | | | | |

| DRAWN BY: JDF DATE: 02/23/21 | | K BY : NB : 02/23/21 | APPR. BY : MS DATE : 02/23/21 | |
|--|----------|--------------------------------|---|-----------------|
| CAGE CODE NO |): 5N5S5 | SCALE 5:1 | SIZE A | REV A |
| SALES | PART N | PART NO. | | SHEET |

DRAWING | 5139-J1BK-652-101P | 1 OF 1