THIS DOCUMENT IS THE PROPERTY OF INTELLICONNECT. THE DESIGN AND SPECIFICATIONS DISCLOSED HEREON ARE PROPRIETARY AND PART NO. 5140-P1NN-309-101N SHALL NOT BE REPRODUCED. COPIED NOR USED FOR MANUFACTURE OR SALE OF DEVICES WITHOUT EXPRESSED WRITTEN AUTHORIZATION. MECHANICAL/ELECTRICAL PROPERTIES MATERIAL/FINISH PROPERTIES MATERIAL PROPERTIES: CONNECTOR MEETS: MIL-STD-348 FIG. 310-1, MIL-PRF-39012 BODY: BRASS PER ASTM B16 OR EQUIVALENT CONNECTOR MEETS: RoHS 2002/95/EC STANDARDS SLEEVE: STAINLESS STEEL PER ASTM A582 OR EQUIVALENT CONNECTOR DURABILITY: 250 CYCLES MIN. INTERFACE CONTACT: BERYLLIUM COPPER PER ASTM B196 OR EQUIVALENT CABLE: RG58 OR EQUIVALENT CABLE CONTACT: BRASS PER ASTM B16 OR EQUIVALENT ASSEMBLY INSTRUCTIONS: INSULATOR: PTFE PER ASTM D1710 OR EQUIVALENT IMPEDANCE: 50 OHMS NOMINAL GASKETS: SILICONE RUBBER PER AA59588 OR EQUIVALENT FREQUENCY RANGE: DC-18 GHz **VOLTAGE RATING: 335 VRMS** PLATING PROPERTIES: INSULATION RESISTANCE: 5.000 MEGOHMS DIELECTRIC WITHSTANDING VOLTAGE: 1.500 VRMS BODY: .000100 MIN. NICKEL PER QQ-N-290 SLEEVE: PASSIVATE PER QQ-P-35, TYPE II CONTACTS: .000030 MIN. GOLD PER MIL-G-45204 OVER .000050 MIN. NICKEL PER QQ-N-290 32.72 1.288 15.62 [17.09] .615 .673 **FERRULE** [9.91] 8.43 .390  $\bar{0}.33\bar{2}$ **CRIMP** 312 [7.92] HÈX LOCATION BACK END OF CRIMP FERRULE TO BE SEALED TO CABLE WITH EPOXY (RECOMMENDED SUPPLIER AND APPLICATION INFORMATION PER FRONT END OF CRIMP ES146) OR SILICONE DURING THE .281 [7.14] CONNECTOR WATERPROOF FERRULE TO BE SEALED CABLÉ ASSEMBLY PROCESS ACROSS TO 10M FOR 4 HOURS IN AN 2 FLATS TO BODY WITH AN O-RING UNMATED CONDITION. **DURING FERRULE INSTALL-**ATION OF THE CABLE NOTES: 1. ADHESIVE LINED HEAT SHRINK TUBING (P/N: ST111) ASSEMBLY PROCESS TO BE APPLIED OVER FERRULE CRIMP SECTION OF CABLE ASSEMBLY (INCLUDED). TITLE: SMA SEALED STRAIGHT CABLED PLUG IntelliConnect MATERIAL & FINISH: PER TABLE ABOVE APPR. BY: REP **DRAWN BY: NB CHECK BY: MS UNLESS OTHERWISE SPECIFIED DATE:** 09/28/16 **DATE:** 09/28/16 **DATE:** 09/28/16 ALL DIMENSIONS ARE REFERENCE **SCALE** SIZE **REV** X.XXX DIM'S = INCHES \* [X.XX] DIM'S = MILLIMETERS **CAGE CODE NO: 5N5S5** 4:1 **RFP** 09/28/16 NPR 1309E SURFACE FINISH: 63 MICRO MAX. SALES PART NO. SHEET ALL DIAMETERS TO BE CONCENTRIC WITHIN .005 F.I.M. REV **DESCRIPTION APPR** DATE **DRAWING** 5140-P1NN-309-101N 1 OF 1