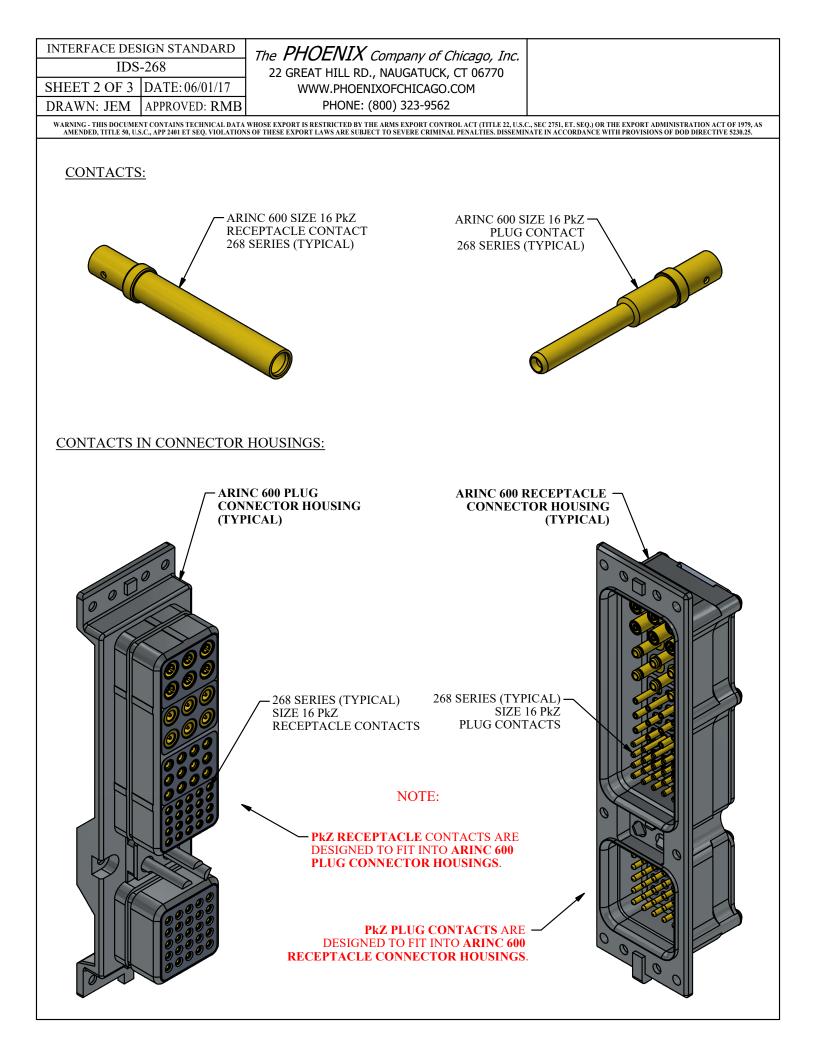
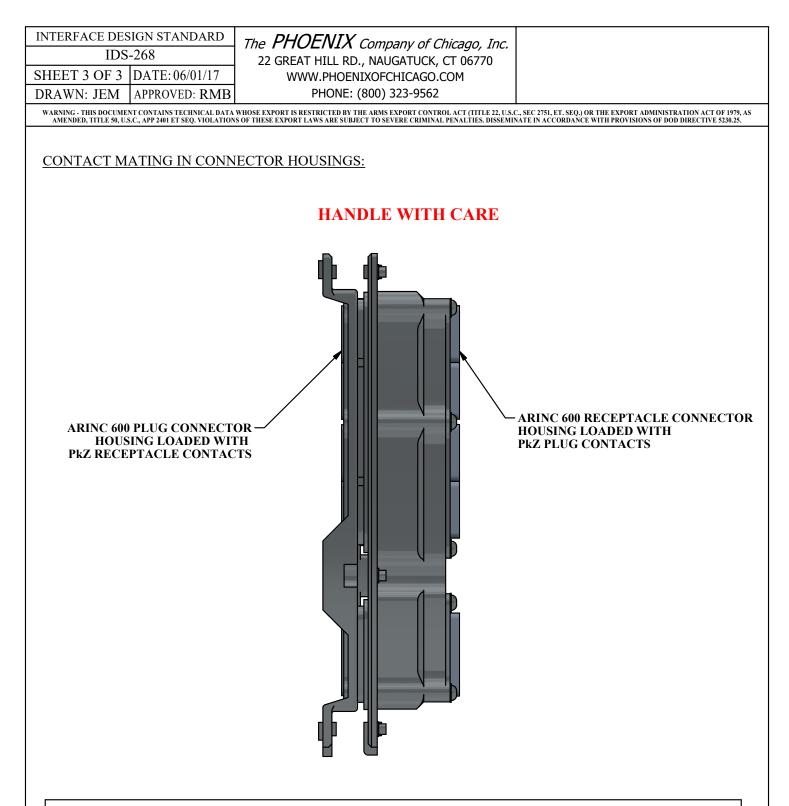
REV. DESCRIPTION DATE RV DATE INTERFACE DESIGN STANDARD The **PHOENIX** Company of Chicago, Inc. PER ECN 13033 07/24/2018 07/24/201 ST JEM Е **IDS-268** JEM F PER ECN 13488 CA 09/10/19 09/10/19 22 GREAT HILL RD., NAUGATUCK, CT 06770 G PER ECN 13787 BGW 06/18/2020 RMB 06/18/2020 SHEET 1 OF 3 DATE: 06/01/17 WWW.PHOENIXOFCHICAGO.COM 05/22/2024 PER ECN 14401 SPS 05/22/2024 н SIG DRAWN: JEM APPROVED: RMB PHONE: (800) 323-9562 WARNING - THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (ITTLE 22, U.S.C., SEC 2751, ET. SEQ.) OR THE EXPORT ADMINISTRATION ACT OF 1979, AS AMENDED, TITLE 50, U.S.C., APP 2401 ET SEQ. VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DOD DIRECTIVE 5230.25. 268 SERIES, SIZE 16 PkZ® FOR ARINC 600 CONNECTOR HOUSINGS, 50 OHMS, 50 GHz FREOUENCY MATERIALS PLATING BODIES: BRASS PER ASTM B16/B16M. GOLD PER MIL-DTL-45204 (ELECTRO DEPOSITED). INSULATORS: TEFLON (PTFE) PER ASTM D4894. COPPER PER SAE AMS2418 (ELECTRO DEPOSITED). CENTER AND OUTER CONTACTS: BERYLLIUM COPPER NICKEL PER QQ-N-290. PER ASTM B196/B196M. FINISH (ADD LETTER TO END OF PART NUMBER) MATING CHARACTERISTICS BODIES AND CENTER CONTACTS: **OUTER BODIES:** - "A": .000050 MIN. GOLD OVER NICKEL. - INSERTION - 24 oz. (1.5 lbs) MAX. - "C": .000050 MIN. GOLD OVER COPPER. - WITHDRAWAL - 2 oz. (.125 lbs) MIN. OTHER METAL PARTS: PLATED TO MEET THE CENTER CONTACTS: ENVIRONMENTAL REQUIREMENTS. - INSERTION - 14 oz. (.875 lbs) MAX. - WITHDRAWAL - .5 oz. (.031 lbs) MIN. HOUSING RETENTION - 192 oz. (12 lbs.) MIN. AXIAL MATING TOLERANCE - .110 [2.79] CONFIGURATIONS HOUSING: ARINC 600 PLUG AND RECEPTACLE CONNECTOR SHELLS, SIZE 16 CAVITY. (REF: MIL-DTL-83527B) CABLES: RG-178, RG-316, RG-405 OR EQUIVALENT FLEXIBLE CABLES. INSERTION TOOL: M81969/1-03. EXTRACTION TOOL: M81969/1-03 OR M81969/8-208. DESIGN TERMINATION: CRIMP/CLAMP, SOLDER/CLAMP, DIRECT SOLDER, DIRECT CRIMP. PKZ CONTACTS DO NOT MATE WITH OTHER INDUSTRY-STANDARD SIZE 12 CONTACTS. ELECTRICAL (CONFIGURATION DEPENDENT) IMPEDANCE: 50 OHMS. CONTACT RESISTANCE: - CENTER CONTACT 6 MILLIOHMS FREQUENCY RANGE: DC TO 50 GHz. VOLTAGE RATING STRAIGHT: 700 VRMS. - OUTER CONTACT 4 MILLIOHMS VOLTAGE RATING ANGLED: 500 VRMS. VSWR: CONFIGURATION DEPENDENT. INSULATION RESISTANCE: 2000 MEGOHMS MIN. INSERTION LOSS: .06√f(GHz) dB R.F. LEAKAGE: -90 dB MIN. @ 2-3 GHz. ENVIRONMENTAL OPERATING TEMPERATURE: -55°C TO + 165°C THERMAL SHOCK: MIL-STD-202, METHOD 107, VIBRATION: MIL-STD-202, METHOD 204, TEST CONDITION D. TEST CONDITION B, EXCEPT HIGH SHOCK: MIL-STD-202, METHOD 213, TEST CONDITION I. TEMPERATURE SHALL BE+85°C. SALT SPRAY: MIL-STD-1344, METHOD 1001, CONDITION B. MOISTURE RESISTANCE: MIL-STD-202, DURABILITY: 500 CYCLES. METHOD 106.

INSULATION RESISTANCE: 2000 MEGOHMS

POST HUMIDITY.





CAUTION

- PRECISION CONTACTS WITH SMALL DIAMETERS ARE USED IN THESE CONNECTORS TO ACHIEVE SUPERIOR ELECTRICAL AND MECHANICAL PERFORMANCE.

- CARE IS REQUIRED WHEN MATING THESE CONNECTORS TO PROTECT THE CONTACTS FROM DAMAGE AND ACHIEVE OPTIMAL PERFORMANCE.

- STABILIZING RINGS FOR PkZ PLUG CONTACTS CAN BE USED TO AID IN THE MATING OF THE CONNECTORS.