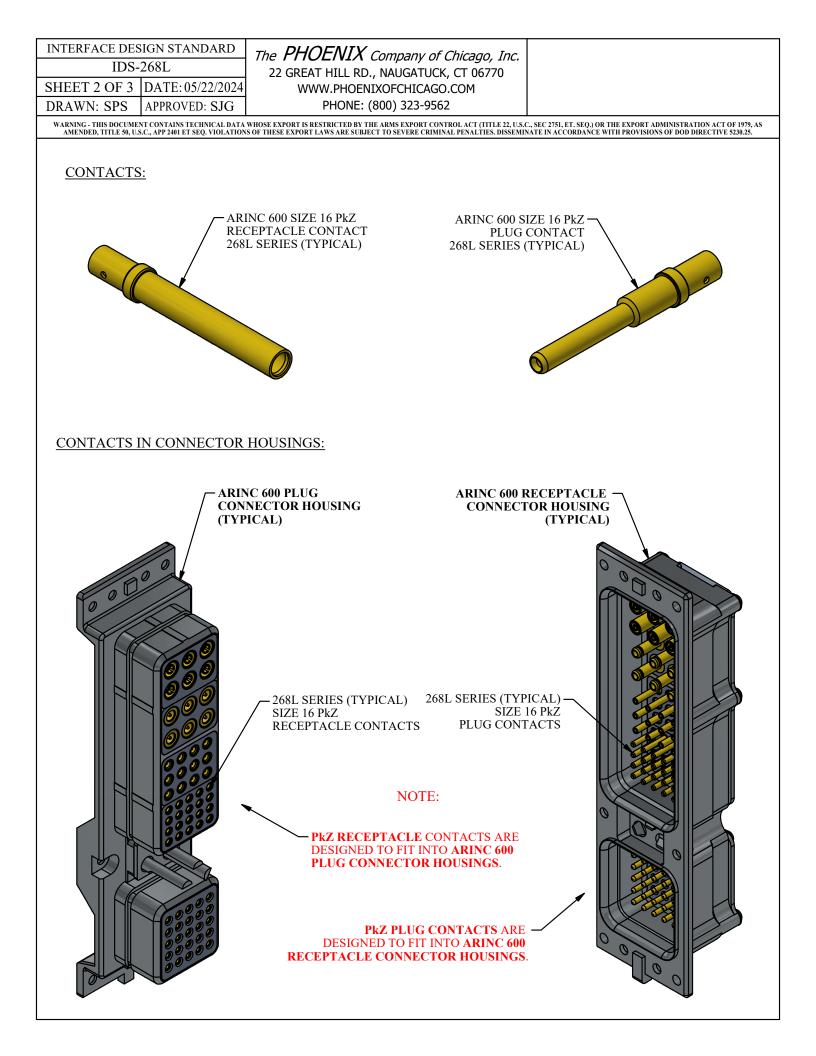
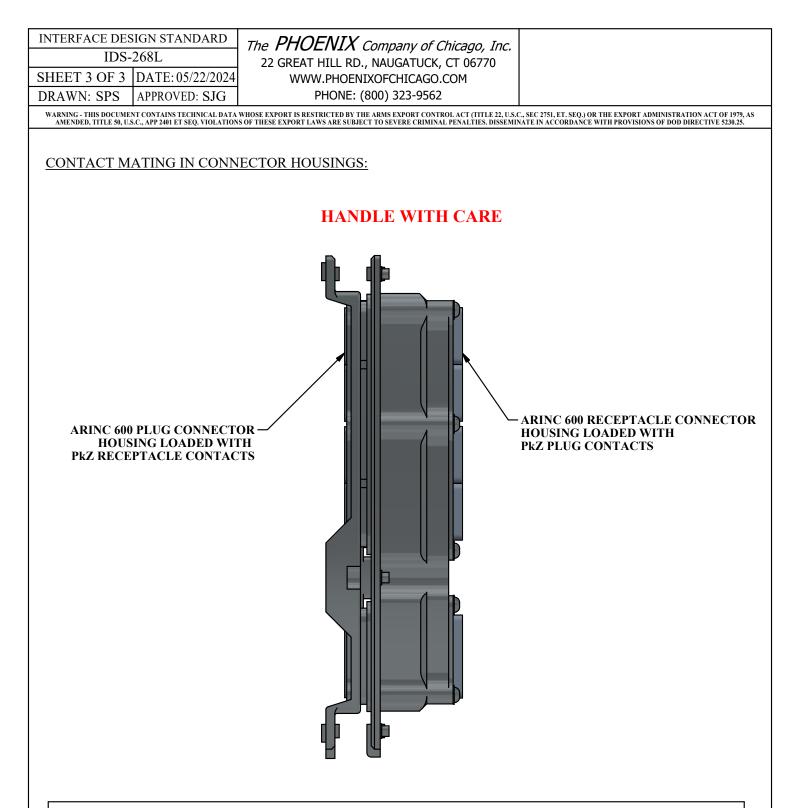
INTERFACE DESIGN STANDARD	<i>The PHOENIX Company of Chicago, Inc.</i> 22 GREAT HILL RD., NAUGATUCK, CT 06770		REV.	DESCRIPTION PER ECN 14385	BY DATE SPS 05/22/2024	APPR. SJG	DATE 05/22/2024	
IDS-268L								
SHEET 1 OF 3 DATE: 05/22/2024	WWW.PHOENIXOFCHICAGO.COM							
DRAWN: SPS APPROVED: SJG warning - this document contains technical data	PHONE: (800) 323-9562 whose export is restricted by the ARMS export control ACT (TITLE 22, U.S.			751, ET. SEQ.) OR THE I	XPORT ADMINISTRAT	TION ACT OI	F 1979, AS	
WARNING - THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 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.								
268L SERIES, SIZE 16 PkZ® FOR ARINC 600 CONNECTOR HOUSINGS, 50 OHMS, 18 GHz FREQUENCY								
MATERIALS		PLATING	ŕ					
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.		- INSERTI	- 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.						
		- WITHDRAWAL5 oz. (.031 lbs) MIN.						
		HOUSING RETENTION - 192 oz. (12 lbs.) MIN. AXIAL MATING TOLERANCE110 [2.79]						
		AXIAL MA	TINC	J TOLERANC	E110 [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.								
PkZ CONTACTS DO NOT MAT	E WITH OTHER INDUSTRY-STAND	ARD SIZE 12	2 CO	NTACTS.				
ELECTRICAL (CONFIGURA	TION DEPENDENT)							
IMPEDANCE: 50 OHMS.		CONTACT	RES	ISTANCE:				
FREQUENCY RANGE: DC TO 18	GHz.	- CENTER	R CONTACT 6 MILLIOHMS					
VOLTAGE RATING STRAIGHT: 700 VRMS.		- OUTER C	ER CONTACT 4 MILLIOHMS					
VOLTAGE RATING ANGLED: 500 VRMS.		VSWR: CO	WR: CONFIGURATION DEPENDENT.					
INSULATION RESISTANCE: 2000 MEGOHMS MIN.		INSERTION	NSERTION LOSS: .06√f(GHz) dB					
		R.F. LEAK	AGE:	-90 dB MIN. (@ 2-3 GHz.			
ENVIRONMENTAL								
OPERATING TEMPERATURE: -:	55°C TO + 165°C	THERMAL	SHO	CK: MIL-STE	-202, METHO	DD 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, M	ETHOD 1001, CONDITION B.	MOISTURE RESISTANCE: MIL-STD-202,						
DURABILITY: 500 CYCLES. METHOD 106.								
		INSULATIO	ON R	ESISTANCE:	2000 MEGOH	IMS		

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.