INTERFACE DESIGN STA IDS-56AJ SHEET 1 OF 1 DATE: DRAWN: CA APPROV	Ime     Ime <th>ATUCK, CT 06770 IICAGO.COM</th> <th>REV.     DESCRIPTION     DATE     APPR.       I     PER ECN 13787     06/17/20     JEM       H     PER ECN 13382     07/01/19     JEM</th>	ATUCK, CT 06770 IICAGO.COM	REV.     DESCRIPTION     DATE     APPR.       I     PER ECN 13787     06/17/20     JEM       H     PER ECN 13382     07/01/19     JEM
DRAWN: CA   APPROVED: JEM   PHONE: (800) 323-9562     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.			
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. Description: 56 Series, PkZ ®, Size 12 Non-Magnetic			
MATERIALS			
BODIES   Plug: Non-Magnetic Brass   Receptacle: Non-Magnetic Brass		<u>Clip Ring</u> Beryllium Copper Per ASTM-B-196	
	ium Copper Per ASTM-B-196 Or * ium Copper Per ASTM-B-196		
INSULATORS Virgin Teflon (PTFE) Per ASTM-D-1710 Or #1 Varyflex Type HV, Two-Part Epoxy PLATING		Residual Magnetism < 1.0000mu	
Gold Per MIL-DTL-45204 Copper Per MIL-C-14550		* Non-Magnetic Brass	
FINISH (Add Letter To End Of Part Number)		MATING CHARACTERISTICS	
OPTIONS Bodies000050 Min. Gold Over Copper		Bodies:	<ul><li>32 oz. (2 lbs.) Max. Insertion.</li><li>2 oz. (0.125 lbs.) Min. Withdrawal</li></ul>
Contacts000050 Min. Gold Over Copper		Contacts:	14 oz. (0.875 lbs.) Max. Insertion. .5 oz. (0.032 lbs.) Min. Withdrawal
Other Metal Parts: Plated Requirements	To Meet The Environmental	Housing Retention:	192 Oz. (12 Lbs.) Min.
ELECTRICAL			
Frequency Range:	DC To 42 GHz	Contact Resistance:	Center Contact 6 Milliohms
Voltage Rating Straight:	800 VRMS	Contact Resistance:	Outer Contact 4 Milliohms
Voltage Rating Angled:	600 VRMS	VSWR:	Configuration Dependent
Insulation Resistance:	2000 Megohms Min.		
Insertion Loss:	$.06\sqrt{f(QHz)} dB$		
Current Rating: Impedance:	N/A 50 Ohms	R.F. Leakage:	-90 dB Min. @ 2-3 GHz
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ENVIRONMENTAL	(59C to 11(59C	Dumhility	<b>500</b> Coultre
Operating Temperature:	-65°C to +165°C	Durability:	500 Cycles
Insulation Resistance:	2000 Megohms Post Humidity	Moisture Resistance:	MIL-STD-202, Method 106
Vibration:	MIL-STD-202, Method 204, Test Condition D	Corrosion:	N/A
Shock:	MIL-STD-202, Method 213, Test Condition I	Temperature Cycling:	N/A
Thermal Shock:	MIL-STD-202, Method 107, Test Condition B, Except High Temperature Shall Be+85° C	High Temperature Tes Salt Spray:	st: N/A MIL-STD-1344, Method 1001, Condition
		san spray.	MIL-S1D-1344, Method 1001, Condition B