



MATERIALS AND PLATING		UNIT: MICRO-INCHES
PART NAME	MATERIALS	PLATING
BODY	BRASS	ALBALOY 80 u"/COPPER
INSULATOR	PTFE MIL-P-19468	N/A
CONTACT PIN	PHOSPHOR BRONZE+BRASS	PL.SILVER 200 u"/COPPER
GASKET	SILICONE	RED

ELECTRICAL CHARACTERISTICS		
IMPEDANCE		50 Ω
VOLTAGE RATING		2700 V(rms)
FREQUENCY RANGE		DC ~ 7.5 GHz
DIELECTRIC WITHSTANDING VOLTAGE		>3000 V
CONTACT RESISTANCE	CENTER CONTACT	<1.5 mΩ
	OUTER CONTACT	<0.4 mΩ
INSULATION RESISTANCE		>10000 MΩ
INSERTION LOSS		<0.1*√f(GHz) dB
RF-leakage		N/A
VSWR		<1.08 @ 0.8~2.2 GHz
3RD INTERMODULATION		N/A

MECHANICAL CHARACTERISTICS	
FORCE TO ENGAGE AND DISENGAGE	N/A
CENTER CONTACT RETENTION FORCE	>45 lbs
RECOMMENDED COUPLING TORQUE	N/A
COUPLING NUT RETENTION FORCE	N/A
DURABILITY	>500 cycles

ENVIRONMENTAL CHARACTERISTICS	
Temperature range	-55 °C~+155 °C
Thermal shock	MIL-STD 202,Meth.107,Cond.B
Vibration	MIL-STD 202,Meth.204,Cond.B
Climatic Class	IEC 60068 65/165/21

**\*CUSTOMER OUTLINE DRAWING**

UNLESS OTHERWISE SPECIFIED:  
 1) EDGES : C0.15 MAX ;  
 2) REMOVE ALL BURRS ;  
 3) SURFACE ROUGHNESS : Ra1.6 ;  
 4) UNITS : mm ;  
 5) DIMENSIONS TOLERANCES  
 DECIMALS : .x ±0.3 .xx ±0.2 .xxx±0.1;  
 ANGLES : ± 5°.

THIRD ANGLE PROJECTION		
APPROVED :	CUSTOMER P/N :	
CHECKED :	SCALE :	3 : 2
DRAWING :	DATE :	2022-09-23
	PAGE :	1/1

**TITLE : 7/16 FEMALE PANEL MOUNT RECEPTACLE**

**DRAWING NO. : 5A7F84S-H41**

**COMPANY WEBSITE : www.slkcorp.com**

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