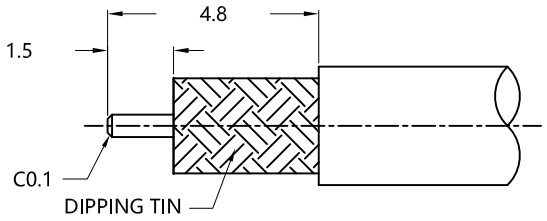
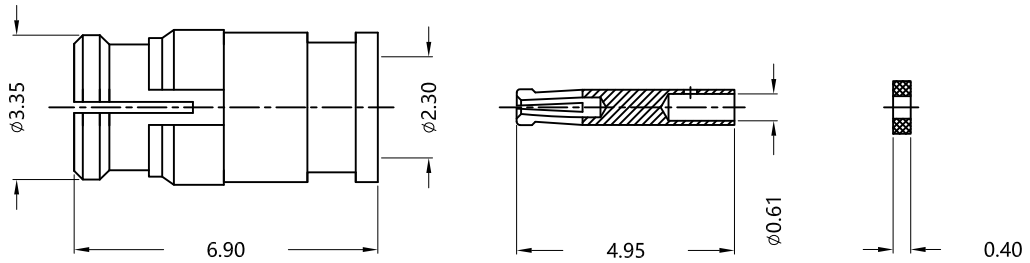
REV.	DESCRIPTION	ECN NO.	NAME	DATE
0	FIRST EDITION	N/A	JING	2020-08-24

ALL PARTS MUST MEET TO RoHS REQUIREMENTS



RECOMMENDED CABLE STRIPPING DIM'S



MATERIALS AND PLATING UNIT: MICRO-INCHES

PART NAME	MATERIALS	PLATING
BODY	Be-Cu C17300	GOLD 3 u"/NICKEL/COPPER
INSULATOR	PTFE ASTM-D-1710	N/A
CONTACT PIN	Be-Cu C17300	GOLD 50u"/COPPER
LOCK RING	Be-Cu C17300	GOLD 3 u"/NICKEL/COPPER

ELECTRICAL CHARACTERISTICS

IMPEDANCE		50 Ω
VOLTAGE RATING		335 V(rms)
FREQUENCY RANGE		0 ~ 40 GHz
DIELECTRIC WITHSTANDING VOLTAGE		>500 V
CONTACT RESISTANCE	CENTER CONTACT	<6.0 mΩ
	OUTER CONTACT	<2.0 mΩ
INSULATION RESISTANCE		>5000 MΩ (Socket only)
INSERTION LOSS		<0.05 x F(GHz) dB
RF-LEAKAGE		N/A
VSWR		<1.35
3RD INTERMODULATION		N/A

MECHANICAL CHARACTERISTICS

FORCE TO ENGAGE AND DISENGAGE	Full detent	< 15 lbs (Force to engage) > 5 lbs (Force to disengage)
	Limited detent	< 10 lbs (Force to engage) > 2 lbs (Force to disengage)
	Smooth bore	< 2 lbs (Force to engage) > 0.5 lbs (Force to disengage)
DURABILITY	Full detent	> 100 cycles
	Limited detent	>500 cycles

ENVIRONMENTAL PARAMETER

TEMPERATURE RANGE	-40 ℃~+125 ℃

* 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 : 1
DRAWING : JING	DATE : 2020-08-24
	PAGE : 1/1

SLK SUPERLINK

TITLE : SMP FEMALE S/T FOR SLD-086 CABLE, 50Ω

DRAWING NO. : 5SPF15S-A471-001

COMPANY WEBSITE : www.slkcorp.com